

Avengers Mock 3 MCQ / MCQ / Quiz

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State Finished

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Time taken 1 hour 10 mins

Grade 30.50 out of 50.00 (61%)

Question 1

Correct

Mark 1.00 out of
1.00

What is the approach of OO ?

Select one:

- a. bundle data only for security
- b. bundle method seperated from data
- c. bundle data seperated from method
- d. bundle data and method



The correct answer is: bundle data and method

Correct

Mark 1.00 out of
1.00

How do we change the state of an object ?

Select one:

- a. Using object's behavior
- b. Using object's property
- c. Using Object's default methods
- d. Using class name

The correct answer is: Using object's behavior

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Correct

Mark 1.00 out of
1.00

Select the benefits of OOP ?

Select one or more:

- a. Ease of design
- b. Resuability
- c. code deployment
- d. Testing

The correct answers are: Ease of design, Resuability

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~~Correct~~

Mark 1.00 out of
1.00

What defines the state of an object ?

Select one:

- a. Using the class Id
- b. Using the class identity
- c. Using the behavior
- d. Using the value of the class properties

 The correct answer is: Using the value of the class properties

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~~Correct~~

Mark 1.00 out of
1.00

How does the different section of an application communicate in an OO approach ?

Select one:

- a. Different sections of the application interact through file system
- b. Different sections of the application interact through database
- c. The objects created during runtime by different sections of the application interact through messages
- d. In OO approach, the different sections run in isolation so they will NOT interact

The correct answer is: The objects created during runtime by different sections of the application interact through messages

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~~Correct~~

Mark 1.00 out of
1.00

Select the principle that best describes the given scenario. The wind is called a breeze if it is gentle. The wind is called a storm if it is harsh.

Select one:

- a. Polymorphism
- b. Abstraction
- c. Typing
- d. Aggregation

The correct answer is: Polymorphism

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Correct

Mark 1.00 out of
1.00

A program is said to be_____, if it optimizes the amount of memory and processing time.

Select one:

- a. robust
- b. documented
- c. efficient
- d. modular

The correct answer is: efficient

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~~incorrect~~

Mark 0.00 out of
1.00

Choose the correct option where waterfall model is not suited.

Select one:

- a. Projects with frequent changes
- b. Complex Projects (that has more number of functionalities)
✗
- c. Projects with stable requirements
- d. Simple Projects (that has less number of functionalities)

The correct answer is: Projects with frequent changes

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Correct

Mark 1.00 out of
1.00

In which of the given SDLC model, unclear requirements are considered?

Select one:

- a. Spiral Model
- b. Agile Model
- c. Prototyping Model
- d. Waterfall Model

The correct answer is: Prototyping Model

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~~incorrect~~

Mark 0.00 out of
1.00

After the development of online website for global pharmacy , it was found that there were interface errors in few of the modules. In which level of testing these errors would be identified.

Select one:

- a. System Testing
- b. Acceptance Testing
- c. Unit Testing
- d. Integration Testing

The correct answer is: Integration Testing

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~~Correct~~

Mark 1.00 out of
1.00

ERD Example: Consider the given scenario. ZEE public school Library. A Library has many books. Each Book has many chapters. Identify the cardinality between Chapter and Book

Select one:

a. m..1



b. 0..0

c. 0..m

d. m..m

The correct answer is: m..1

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~~Correct~~

Mark 1.00 out of
1.00

Software was developed for Global Marketing. Few changes that was earlier requested was already incorporated in the delivered software. Now the client does not want the changes and requested for the previous release. Which of the below option would facilitate developer to meet the client needs.

Select one:

- a. Software Repository
- b. Software Configuration Management
- c. Software Control Management
- d. Change Control Management

The correct answer is: Software Configuration Management

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~~Correct~~

Mark 1.00 out of
1.00

What does the below Unix command accomplish?

`$ vi sample`

Select one:

- a. delete a file named sample
- b. edit file named sample
- c. open file named sample
- d. open file if it exists else creates a new file



The correct answer is: open file if it exists else creates a new file



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Correct

Mark 1.00 out of
1.00

Which of the following is not a feature of UNIX?

Select one:

- a. User friendly
- b. Multiuser
- c. Multitasking
- d. Portability

The correct answer is: User friendly

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incorrect

Mark 0.00 out of
1.00

Consider the sample.txt file and predict the output

Unix is an operating system.

Unix is open source.

Linux is also a powerful OS.

What is the output of grep -c "Unix" sample.txt command?

Select one:

a. 3

x

b. 4

c. 0

d. 2

The correct answer is: 2

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~~incorrect~~

Mark 0.00 out of
1.00

Which of the following layer acts as an interface between user and kernel ?

Select one:

- a. System Calls
- b. Kernel
- c. Shell
- d. Hardware

The correct answer is: Shell

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~~Correct~~

Mark 1.00 out of
1.00

Which command in UNIX displays the list of all the users who have logged into the Unix server?

Select one:

- a. users
- b. Who
- c. Who am i
- d. List users

The correct answer is: Who

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Correct

Mark 1.00 out of
1.00

What is the purpose of using -a option with ls command ?

Select one:

- a. for showing hidden files
- b. for showing executables
- c. for multi columnar output
- d. for showing directories

The correct answer is: for showing hidden files

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Correct

Mark 1.00 out of
1.00

Comment in XML document is given by

Select one:

- a. <!-- --!>
- b. <?-- -->
- c. </-- -- >
- d. <!-- -->



The correct answer is: <!-- -->

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Correct

Mark 1.00 out of
1.00

Which is not true about XML

Select one:

- a. XML Tags are not Case Sensitive
- b. XML Elements Must be Properly Nested
- c. All XML Elements Must Have a Closing Tag
- d. XML must be wellformed

The correct answer is: XML Tags are not Case Sensitive

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Correct

Mark 1.00 out of
1.00

Which of the following fragments of XML are well-formed

Select one:

- a. <?xml version="1.0"?>
- b. <?xml encoding="Master"?>
- c. <?xml encoding="JIS" version="File1"?>
- d. <?xml?>

The correct answer is: <?xml version="1.0"?>

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~~Correct~~

Mark 1.00 out of
1.00

Find out the well-formed xml file

Select one:

a. <book category="Web">
 <bname>XML Tutorials</bname>
 <pages>100</pages>
 <price>\$300.00</price>
 </book>



b. <book category="Web">
 <bname>XML Tutorials</BNAMES>
 <pages>100</pages>
 <price>\$300.00<price>
 </book>

c. <book category="Web">
 <bname>XML Tutorials</bname>
 <pages>100</pages>
 <price>\$300.00</price>
 </book>

d. <book category="Web">
 <bname>XML Tutorials</bname>
 <pages>100</pages>
 <price>\$300.00</Price>
 </book>

The correct answer is: <book category="Web">
 <bname>XML Tutorials</bname>
 <pages>100</pages>
 <price>\$300.00</price>
 </book>

~~Correct~~

Mark 1.00 out of
1.00

Which of the following statement/s is/are TRUE?

- (1) Abstract method can have body
 - (2) Abstract class cannot be instantiated
 - (3) Abstract class can have constructor
- Choose the most appropriate option.

Select one:

- a. Both (1) and (2) are TRUE
- b. Both (2) and (3) are TRUE
- c. Both (1) and (3) are TRUE
- d. Only (2) is TRUE

The correct answer is: Both (2) and (3) are TRUE

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~~incorrect~~

Mark 0.00 out of
1.00

Identify the appropriate relationship between the classes House and Room. Assume that getter and setter methods for all instance variables are implemented

```
class Room
{
    private int length;
    private float width;
}
class House
{
    private float area;
    private Room room;
    public House()
    {
        room=new Room();
    }
}
```

Choose the most appropriate option

Select one:

- a. No relationship exists between class House and class Room
- b. Aggregation
- c. Specialization
- d. Composition

The correct answer is: Composition

Correct

Mark 1.00 out of
1.00

What will be the output of the following Java code?

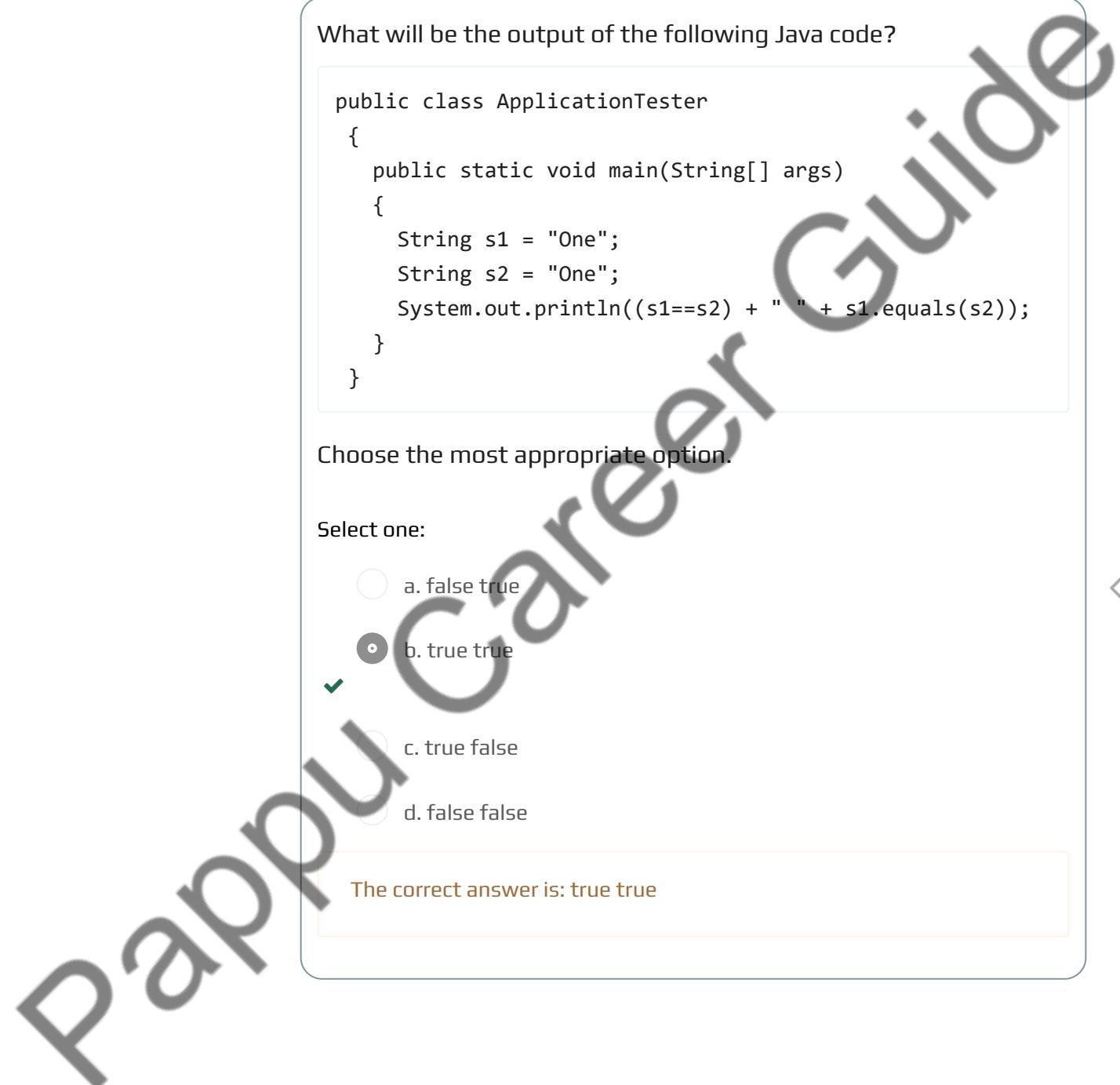
```
public class ApplicationTester
{
    public static void main(String[] args)
    {
        String s1 = "One";
        String s2 = "One";
        System.out.println((s1==s2) + " " + s1.equals(s2));
    }
}
```

Choose the most appropriate option.

Select one:

- a. false true
- b. true true
- c. true false
- d. false false

The correct answer is: true true



incorrect

Mark 0.00 out of
1.00

What will be the output of the following Java code?

```
public class OverloadTester
{
    public static void main(String[] args)
    {
        double result = new OverloadTester().add(25, 35);
        System.out.println("Sum is " + result);
    }
    public int add(int number1, int number2)
    {
        return number1 + number2;
    }
    public double add(int number1, int number2)
    {
        return number1 + number2;
    }
}
```

Choose the most appropriate option.

Select one:

- a. Sum is 60
- b. Compilation Error: Duplicate method add(int, int) in type OverloadTester
- c. Sum is 60.0
- d. Sum is 0

The correct answer is: Compilation Error: Duplicate method add(int, int) in type OverloadTester

Incorrect

Mark 0.00 out of
1.00

What is the output expected for the below code ?

```
public class ConstructorTest
{
    private ConstructorTest(int w) // line 2
    {

        System.out.println(w);
    }
    public static ConstructorTest() // line 6
    {

        System.out.println(10);
    }
    public static void main(String args[])
    {
        ConstructorTest obj = new ConstructorTest(50);
    }
}
```

Choose most appropriate option.

Select one:

- a. Won't compile because of line (6) constructor can't be static
- b. 50
- ✖ c. 10 50
- d. 10

The correct answer is: Won't compile because of line (6) constructor can't be static

incorrect

Mark 0.00 out of
1.00

Predict the output of the following Java code.

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```
{  
  
    public void getCustomer(String  
customer_name)  
  
    {  
  
        System.out.println("Customer  
name is : "+customer_name);  
  
    }  
  
    public void getCustomer(int  
customerId, String customer_location)  
  
    {  
  
        System.out.println("Customer  
location : "+customer_location+" & Customer Id :  
"+customerId);  
  
    }  
  
    public void getCustomer(int  
customerId, float reward_points)  
  
    {  
  
        System.out.println("Customer  
Id : "+customerId+ " & reward points till date is  
:"+reward_points);  
  
    }  
  
    public static void main(String[]  
args)  
  
    {
```

```
c.getCustomer(1232,560.0f);  
  
c.getCustomer(1232, "Florida");  
  
}  
  
}
```

Choose the most appropriate option.

Select one:

- a. Customer name is : Smith
Customer Id : 1232 & reward points till date is :560.0
Customer location : Florida & Customer Id : 1232
- b. Compilation Error.
The method getCustomer(int, String) in the type Customer is
not applicable for the arguments (int, float)
- c. Customer name is : Smith
Customer Id : 1232 & Customer location : Florida
Customer Id : 1232 & reward points till date is :560.0
- d. Customer name is : Smith
Customer location : Florida & Customer Id : 1232
Customer Id : 1232 & reward points till date is :560.0

The correct answer is: Customer name is : Smith
Customer Id : 1232 & reward points till date is :560.0
Customer location : Florida & Customer Id : 1232

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Correct

Mark 1.00 out of
1.00

What will be the output of the following Java code?

```
public class Account
{
    public void deposite(int amount)
    {
        System.out.println("Account deposited with: " +
amount);
    }
    public void transaction()
    {
        this.deposite(100);
    }
}
public class SavingsAccount extends Account
{
    public void deposite(int amount)
    {
        System.out.println("Savings Account deposited with: " +
amount);
    }
}
public class ApplicationTester
{
    public static void main(String[] args)
    {
        Account account = new SavingsAccount();
        account.transaction();
    }
}
```

Choose the most appropriate option.

Select one:

- a. Account deposited with: 100
- b. Savings Account deposited with: 0

- d. Account deposited with: 0

The correct answer is: Savings Account deposited with: 100

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incorrect

Mark 0.00 out of
1.00

What will be the output of the following Java code?

```
class Employee
{
    Employee ()
    {
        System.out.println("Employee constructor");
    }
    static
    {
        System.out.println("Employee static block");
    }
}
class Manager
{
    Manager ()
    {
        System.out.println("Manager constructor");
    }
    static
    {
        System.out.println("Manager static block");
    }
}

public class Main
{
    public static void main(String[] args) {
        Manager obj=null;
    }
}
```

Select one:

- a. only Manager class constructor and static block executes
- b. Both class Constructor and Static block executes

- d. only Manager class static block executes

The correct answer is: no output

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incorrect

Mark 0.00 out of
1.00

What will be the output of the following Java code?

```
public class ApplicationTester
{
    public static void main(String[] args)
    {
        int[] array = {-9,-11-8,-100,-78};
        int minimum = 0;
        for(int index=0; index < array.length; index++)
        {
            if(minimum < array[index])
            { minimum = array[index];
            }
        }
        System.out.println(minimum);
    }
}
```

Choose the most appropriate option.

Select one:

- a. null
- b. -100
- c. -8
- d. 0

The correct answer is: 0

~~incorrect~~

Mark 0.00 out of
1.00

Identify the CORRECT SQL statement to create a table with composite primary key. Choose most appropriate option.

Select one:

- a. CREATE TABLE Account (AccountNumber Number(5), CustomerId Number(10), OpeningDate Date, Balance Number(10,2), CONSTRAINT Acc_Pkey PRIMARY KEY (AccountNumber,CustomerId));
- b. CREATE TABLE Account (AccountNumber Number(5), CustomerId Number(10), OpeningDate Date, Balance Number(10,2), CONSTRAINT Acc_Pkey COMPOSITE PRIMARY KEY (AccountNumber,CustomerId));
- c. CREATE TABLE Account (AccountNumber Number(5) CONSTRAINT Acc_Pkey1 PRIMARY KEY, CustomerId Number(10) CONSTRAINT Acc_Pkey2 PRIMARY KEY, OpeningDate Date, Balance Number(10,2));
*
- d. CREATE TABLE Account (AccountNumber Number(5), CustomerId Number(10) CONSTRAINT Acc_Pkey2 PRIMARY KEY (AccountNumber,CustomerId), OpeningDate Date, Balance Number(10,2));

The correct answer is: CREATE TABLE Account (AccountNumber Number(5), CustomerId Number(10), OpeningDate Date, Balance Number(10,2), CONSTRAINT Acc_Pkey PRIMARY KEY (AccountNumber,CustomerId));

~~Correct~~

Mark 1.00 out of
1.00

Consider the table Student(StudentId, StudentName, Email, PercentageOfMarks). Which is the CORRECT query to display the details in the ascending order (lowest to highest) of PercentageOfMarks and in the descending order of StudentId in case PercentageOfMarks is the same. Choose most appropriate option

Select one:

- a. SELECT StudentId, StudentName, Email, PercentageOfmarks FROM Student ORDER BY PercentageOfMarks DESC, StudentId;
- b. SELECT StudentId, StudentName, Email, PercentageOfmarks FROM Student ORDER BY PercentageOfMarks DESC, StudentId DESC;
- c. SELECT StudentId, StudentName, Email, PercentageOfmarks FROM Student ORDER BY StudentId DESC, PercentageOfMarks;
- d. SELECT StudentId, StudentName, Email, PercentageOfmarks FROM Student ORDER BY PercentageOfMarks, StudentId DESC;

The correct answer is: SELECT StudentId, StudentName, Email, PercentageOfmarks FROM Student ORDER BY PercentageOfMarks, StudentId DESC;

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1. **Partially correct**

Mark 0.50 out of
1.00

Consider table Customer(cid NUMBER(4), cname VARCHAR2(10)) has some records. Identify the appropriate ALTER statements (choose 2) which executes on table Customer [Note: There is no null value for any column]

Select one or more:

- a. ALTER TABLE Customer MODIFY cname VARCHAR2(15); ✓
- b. ALTER TABLE Customer ADD CONSTRAINT cust_name NOT NULL(cname);
- c. ALTER TABLE Customer MODIFY cid NUMBER(2);
- d. ALTER TABLE Customer ADD dob DATE DEFAULT '30-Jun-1995';

The correct answers are: ALTER TABLE Customer MODIFY cname VARCHAR2(15);, ALTER TABLE Customer ADD dob DATE DEFAULT '30-Jun-1995';

~~Correct~~

Mark 1.00 out of
1.00

Consider table Students(studentId, branchid). Identify the CORRECT SQL statement to retrieve the branches which has more than 3 students. Choose most appropriate option.

Select one:

- a. SELECT branchid FROM Students HAVING COUNT(*) >3;
- b. SELECT branchid FROM Students GROUP BY studentId HAVING COUNT(*) > 3;
- c. SELECT branchid FROM Students GROUP BY branchid HAVING COUNT(*) > 3;
- d. SELECT branchid FROM Students WHERE COUNT(*) >3 GROUP BY branchid;

The correct answer is: SELECT branchid FROM Students GROUP BY branchid HAVING COUNT(*) > 3;



Incorrect

Mark 0.00 out of
1.00

Consider table Project is created using the SQL statement given below

```
CREATE TABLE Project(  
    projectid VARCHAR2(10) CONSTRAINT pkey PRIMARY KEY,  
    projectname VARCHAR2(10) CONSTRAINT pnull NOT NULL,  
    employeecount NUMBER(2) DEFAULT 0);
```

Which of the following statements insert record successfully to Project table [Choose 2]

Select one or more:

- a. INSERT INTO project(projectid,employeecount)
VALUES('P3',10);
- b. INSERT INTO project(projectid,projectname)
VALUES('P2','Finance');
- c. INSERT INTO project VALUES('P1','Finance',20);
- d. INSERT INTO project VALUES('P1','Finance');

x

Your answer is incorrect.

The correct answers are: INSERT INTO project(projectid,projectname)
VALUES('P2','Finance');, INSERT INTO project
VALUES('P1','Finance',20);

~~incorrect~~

Mark 0.00 out of
1.00

Consider the following tables:

Vendor (VendorId, VendorName, PhoneNumber). Here VendorId is the primary key.

Item (ItemCode, UnitPrice, QuantityOnHand, VendorId) Here ItemCode is the primary key and VendorId is the foreign key referencing the VendorId in Vendor Table.

Which is the CORRECT SQL query to display ItemCode, UnitPrice, VendorName for all Items. It should also display the details of the Item which is not having any vendor?

Choose most appropriate option

Select one:

- a.

```
SELECT Item.ItemCode, Item.UnitPrice, Vendor.VendorName
FROM Item INNER JOIN Vendor ON Item.VendorId =
Vendor.VendorId AND Item.VendorId IS NULL;
```
- b.

```
SELECT Item.ItemCode, Item.UnitPrice, Vendor.VendorName
FROM Item INNER JOIN Vendor ON Item.VendorId =
Vendor.VendorId;
```
- c.

```
SELECT Item.ItemCode, Item.UnitPrice, Vendor.VendorName
FROM Item LEFT OUTER JOIN Vendor ON Item.VendorId =
Vendor.VendorId;
```
- d.

```
SELECT Item.ItemCode, Item.UnitPrice, Vendor.VendorName
FROM Item, Vendor WHERE Item.VendorId = Vendor.VendorId;
```

Your answer is incorrect.

The correct answer is:

```
SELECT
Item.ItemCode, Item.UnitPrice, Vendor.VendorName
FROM Item LEFT
OUTER JOIN Vendor ON Item.VendorId = Vendor.VendorId;
```

incorrect

Mark 0.00 out of
1.00

'link', 'vlink' and 'alink' are attributes of which HTML tag?

Choose the most appropriate option.

Select one:

- a. <body>
- b.
- c. <a>
- d. <head>

Your answer is incorrect.

The correct answer is: <body>

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incorrect

Mark 0.00 out of
1.00

Choose from below the valid syntax to show "Welcome to JS!!" to user in JavaScript using a pop up. Choose most appropriate option

Select one:

a. alertmsg("Welcome to JS!!");

x

b. alertBox("Welcome to JS!!");

c. alert("Welcome to JS!!");

d. alert(Welcome to JS!!);

The correct answer is: alert("Welcome to JS!!");

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~~Correct~~

Mark 1.00 out of
1.00

Choose from below the valid syntax to show "Welcome to JS!!" to user in JavaScript using a pop up. Choose most appropriate option

Select one:

- a. alertBox("Welcome to JS!!");
- b. alertmsg("Welcome to JS!!");
- c. alert("Welcome to JS!!");
- d. alert(Welcome to JS!!);

The correct answer is: alert("Welcome to JS!!");

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incorrect

Mark 0.00 out of
1.00

Assume abc.html is existing and a valid HTML page. Refer the code below:

```
<form action="abc.html">  
    First Name: <input type="text"/><br/>  
    Last Name: <input type="text"/><br/>  
    Password: <input type="hidden"/><br/>  
    <input type="submit" value="Submit"/>  
</form>
```

How many HTML controls will be displayed on the browser, when the above page is run on browser? Choose most appropriate option

Select one:

- a. 4
- b. 3
- c. 7
- d. 5

The correct answer is: 3

Correct

Mark 1.00 out of
1.00

Which of the following is the correct html form element to create the checkbox in a web page? Choose most appropriate option.

Select one:

a. <input type="checkbox">



b. <input=checkbox>

c. <checkbox>

d. <input checkbox>

The correct answer is: <input type="checkbox">

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incorrect

Mark 0.00 out of
1.00

Consider the javascript code given below. What would be the print values from line 1 and line 2 on execution?

```
<html>
  <body>
    <p id="id1"></p><!-- line 1-->
    <p id="id2"></p><!-- line 2-->
    <script>
      var y=10;
      myFunction();
      document.getElementById("id1").innerHTML = y;
      document.getElementById("id2").innerHTML = window.y;
      function myFunction() {
        y=20;
        y=y+window.y
      }
    </script>
  </body>
</html>
```

Choose the most appropriate option.

Select one:

- a. 10 10
- b. 10 30
- c. 40 40

Your answer is incorrect.

The correct answer is: 40 40

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incorrect

Mark 0.00 out of
1.00

SPOT THE ERROR:

Observe the below algorithm to find the average of three numbers.

Step1: Start

Step2: Get num1, num2, num3

Step3: Add num1, num2, num3 and store it in Sum

Step4: Average=sum%3

Step5: Display Sum and Average

Step6: Stop

Identify the incorrect step(if any)

Select one:

- a. No error
- b. Step 2
- c. Step 5
- d. Step 4

Your answer is incorrect.

The correct answer is: Step 4

~~Correct~~

Mark 1.00 out of
1.00

The properties of good program must have_____

Select one:

a.

Fault Prevention and fault tolerance



b.

Modules tightly connected

c.

Poor Design for change

d.

Component dependence

Your answer is correct.

The correct answer is:

Fault Prevention and fault tolerance

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~~Correct~~

Mark 1.00 out of
1.00

Carefully read the question and answer accordingly. Which data structure is said to be linear data structure?

Select one:

a. Arrays



b. Graphs

c. Tree

d. None of the listed options

The correct answer is: Arrays

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~~Correct~~

Mark 1.00 out of
1.00

Carefully read the question and answer accordingly. What operation is processed for each element in the list

Select one:

- a. Sorting
- b. Merging
- c. Inserting
- d. Traversal



The correct answer is: Traversal

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Correct

Mark 1.00 out of
1.00

Time complexity of an algorithm signifies the total time required by the algorithm to complete its execution with provided resources. State True or False.

Select one:

- True ✓
- False

The correct answer is 'True'.

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~~Correct~~

Mark 1.00 out of
1.00

What is the time complexity of these functions?

```
int fact(int i)
{
    if(i<=1)
        return i;
    return 2*fact(i-1);
}

int fact2(int i)
{
    if(i<=1)
        return i;
    return fact2(i-1) + fact2(i-1);
}
```

Select one:

- a. $O(n)$ for both fact() and fact2()
- b. $O(2^n)$ for both fact() and fact2()
- c. $O(n)$ for fact() and $O(2^n)$ for fact2()
- d. $O(2^n)$ for fact() and $O(n)$ for fact2()

The correct answer is: $O(n)$ for fact() and $O(2^n)$ for fact2()

incorrect

Mark 0.00 out of
1.00

Which algorithm is the best sorting method in-place with no quadratic worst-case scenarios?

Select one:

a. Quick Sort

b. Heap Sort

c. Bubble Sort

d. Selection Sort

The correct answer is: Heap Sort

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Best Viewed on latest versions
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Avengers Mock 1 - QUIZ / Quiz / MCQ

Started on	Saturday, 16 November 2019, 2:00 PM
State	Finished
Completed on	Saturday, 16 November 2019, 3:13 PM
Time taken	1 hour 13 mins

Grade 27.00 out of 50.00 (54%)

Question 1

Correct

Mark 1.00 out of
1.00

Method Overriding shows static polymorphism.

Select one:

- True
- False ✓

The correct answer is 'False'.

~~incorrect~~

Mark 0.00 out of
1.00

Which of the following classes are available in the `java.lang` package?

- (A) Stack
- (B) Object
- (C) Math
- (D) Random
- (E) String
- (F) StringBuffer
- (G) Vector

Select one:

- a. (C), (E) & (F)
- b. (B), (C) & (E)
- c. (A), (B), (C), (E) & (F)
- d. (B), (E) & (F)
- e. (B), (C), (E) & (F)

The correct answer is: (B), (C), (E) & (F)

~~incorrect~~

Mark 0.00 out of
1.00

Choose the method(s) of the String class

Select one or more:

a. delete()

✗

b. replace()

✓

c. intern()

✓

d. reverse()

e. append()

✗

The correct answers are: intern(), replace()

Correct

Mark 1.00 out of
1.00

State True or False: The accuracy and efficiency of a HashMap can be guaranteed with overriding equals method and hashCode method.

Select one:

- True ✓
- False

The correct answer is 'True'.

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incorrect

Mark 0.00 out of
1.00

```
import java.util.ArrayList;
import java.util.Iterator;
public class sample {
    public static void main(String[] args)
    {
        ArrayList<String> list = new ArrayList<String>();
        list.add("Orange");
        list.add("suguna");
        list.add("Apple");
        list.add("squeeze");
        Iterator<String> it = list.iterator();
        while (it.hasNext())
        {
            String inr = it.next();
            if(inr.startsWith("s"))
            {
                list.remove(inr);
            }
        }
        System.out.println(list);
    }
}
```

State True or False**Select one:** a. True b. False**The correct answer is: False**

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~~incorrect~~

Mark 0.00 out of
1.00

Predict the output:

```
public class Topper
{
    public static void check() {
        this.display();
    }
    public static void display() {
        System.out.println("Welcome to Java");
    }
    public static void main(String args []) {
        check();
    }
}
```

Select one:

- a. Welcome to Java
- b. Compile time error
- c. An exception is raised stating that the variable this can only be used within an instance
- d. Runtime error

The correct answer is: Compile time error

Correct

Mark 1.00 out of
1.00

Predict the output:

```
interface X
{
    void display();
}
interface Y extends X
{
    void print();
}

class Employee implements Y
{
    public void display() {
        System.out.print("John ");
    }
    public void print() {
        System.out.print("Mathew");
    }
}

public class TestMain {

    public static void main(String[] args) {

        Employee e = new Employee();
        e.display();
        e.print();
    }
}
```

Select one:

- c. John
- d. John Mathew

The correct answer is: John Mathew

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incorrect

Mark 0.00 out of
1.00

Predict the output:

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```
    void calculate(int a, int b)
    {
        System.out.println("Class One");
    }
}

class Two extends One
{
    @Override
    void calculate(int a, int b)
    {
        System.out.println("Class Two");
    }
}

class Three extends Two
{
    @Override
    void calculate(int a, int b)
    {
        System.out.println("Class Three");
    }
}

public class Test
{
    public static void main(String[] args)
    {
        One one = new Two();

        one.calculate(10, 20);

        Two two = (Two) one;

        two.calculate(50, 100);

        Three three = (Three) two;

        three.calculate(100, 200);
    }
}
```

a. Class Two
Class Two
java.lang.ClassCastException

b. Class One
Class Two
Class Three

✗

c. java.lang.ClassCastException
 d. Class One
Class Two
java.lang.ClassCastException

The correct answer is: Class Two

Class Two
java.lang.ClassCastException

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~~incorrect~~

Mark 0.00 out of
1.00

Predict the output:

```
public class Topper {  
    public static void main(String args[])  
    {  
        TreeSet ts=new TreeSet();  
        ts.add("30");  
        ts.add("90");  
        ts.add("100");  
        ts.add("40");  
        ts.add("90");  
        System.out.println(ts);  
    }  
}
```

Select one:

- a. [100,30,40,90]
- b. [30,90,100,40,90]
- c. [30,40,90,100]
- d. [30,40,90,90,100]

The correct answer is: [100,30,40,90]

~~incorrect~~

Mark 0.00 out of
1.00

Select the true statement ?

Select one:

- a. Inheritance forms a is-a part of relationship between classes.
- b. Aggregation forms a is-a part of relationship between classes.
Composition is the stronger form of Aggregation.
- c. Aggregation is the stronger form of Inheritance.
- d. Aggregation forms the is-a type of relationship between classes.

The correct answer is: Aggregation forms a is-a part of relationship between classes. Composition is the stronger form of Aggregation.

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~~Correct~~

Mark 1.00 out of
1.00

How do we change the state of an object ?

Select one:

- a. Using object's property
- b. Using object's behavior
- c. Using class name
- d. Using Object's default methods

The correct answer is: Using object's behavior

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~~incorrect~~

Mark 0.00 out of
1.00

Select the principle that best describes the given scenario. An air-condition can be operated using the button or remote control.

Select one:

- a. Hierarchy
- b. Encapsulation
- c. Polymorphism
- d. Abstraction

The correct answer is: Encapsulation

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~~Correct~~

Mark 1.00 out of
1.00

How does the different section of an application communicate in an OO approach ?

Select one:

- a. In OO approach, the different sections run in isolation so they will NOT interact
- b. The objects created during runtime by different sections of the application interact through messages
- c. Different sections of the application interact through database
- d. Different sections of the application interact through file system

The correct answer is: The objects created during runtime by different sections of the application interact through messages

~~Correct~~

Mark 1.00 out of
1.00

What defines the state of an object ?

Select one:

- a. Using the behavior
- b. Using the class Id
- c. Using the class identity
- d. Using the value of the class properties



The correct answer is: Using the value of the class properties

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~~incorrect~~

Mark 0.00 out of
1.00

Select the multiplicity between passenger and train reservation ticket? What is the multiplicity of passenger ?

Select one:

a. 0..*

b. 0..1

c. 1..*

d. 1

The correct answer is: 1

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Correct

Mark 1.00 out of
1.00

Order the range of coupling from high to low

- a. control coupling
- b. stamp coupling
- c. content coupling
- d. uncoupled
- e. common coupling
- f. data coupling

Select one:

- a.
c , e , a, f , b, d
- b.
c , e , a, b, f, d
- c.
d, c , e , a, b, f
- d.
c , a, b, f, e, d

Your answer is correct.

The correct answer is:

c , e , a, b, f, d

~~Correct~~

Mark 1.00 out of
1.00

A program is said to be_____, if it optimizes the amount of memory and processing time.

Select one:

a. documented

b. efficient



c. robust

d. modular

The correct answer is: efficient

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~~Correct~~

Mark 1.00 out of
1.00

Steve is learning to draw a flowchart to calculate the volume of a cuboid. Which of the options given below would fit into the process section of the flow chart?

Select one:

- a. check if l,b,h have positive value
- b. Read the value of l,b,h(l represents the length, b represents the breadth, h represents the height)
- c. Volume=l*b*h
- d. display the volume of the cuboid

Your answer is correct.

The correct answer is: Volume=l*b*h

~~incorrect~~

Mark 0.00 out of
1.00

Carefully read the question and answer accordingly. Find which list is not related to stacks?

Select one:

- a. None of the options.
- b. First in First Out
- c. Push-down
- d. Last In First Out

The correct answer is: First in First Out

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~~Correct~~

Mark 1.00 out of
1.00

Carefully read the question and answer accordingly. Which data structure is said to be linear data structure?

Select one:

- a. None of the listed options
- b. Tree
- c. Arrays
- d. Graphs

The correct answer is: Arrays



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~~incorrect~~

Mark 0.00 out of
1.00

Which algorithm is the best sorting method in-place with no quadratic worst-case scenarios?

Select one:

a. Quick Sort

b. Selection Sort

c. Bubble Sort

d. Heap Sort

The correct answer is: Heap Sort

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~~Correct~~

Mark 1.00 out of
1.00

From the given options identify the appropriate algorithm that has the lowest worst-case complexity?

Select one:

- a. Quick Sort
- b. Merge Sort
- c. Selection Sort
- d. Bubble Sort

The correct answer is: Merge Sort

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~~Correct~~

Mark 1.00 out of
1.00

An algorithm which executes on constant time period can be denoted as

Select one:

- a. $O(n \log n)$
- b. $O(n^2)$
- c. $O(n)$
- d. $O(1)$

The correct answer is: $O(1)$

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~~Correct~~

Mark 1.00 out of
1.00

Which of the option gives the number of independent paths in the program

Select one:

- a. Mc Cabes number
- b. Boundary Value analysis
- c. Equivalence Partitioning
- d. Error Guessing

The correct answer is: Mc Cabes number

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~~Correct~~

Mark 1.00 out of
1.00

The SRS document should be

Select one:

- a. Consistent
- b. Modifiable
- c. Unambiguous
- d. All the options



The correct answer is: All the options

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~~incorrect~~

Mark 0.00 out of
1.00

Software was developed for Global Marketing. Few changes that was earlier requested was already incorporated in the delivered software. Now the client does not want the changes and requested for the previous release. Which of the below option would facilitate developer to meet the client needs.

Select one:

- a. Software Repository
- b. Software Configuration Management
- c. Software Control Management
- d. Change Control Management



The correct answer is: Software Configuration Management

~~incorrect~~

Mark 0.00 out of
1.00

Go-Will department store wants to automate few of its functionalities. From the below options identify the functional requirements of Go-Will department store

Select one or more:

a. Add Product Details

✓

b. Generate Bill for the purchased Items

✓

c. System should be up and running 24/7

✗

d. Response for each button click should be within 3 seconds

✗

The correct answers are: Generate Bill for the purchased Items, Add Product Details

~~incorrect~~

Mark 0.00 out of
1.00

Tom and his team uses the SVN(Configuration Management Tool) to do versioning of source code. Tom has pulled out the code from the SVN server to his local machine, updated his task partially and wanted to update the work back to the SVN server. What is the actual process Tom has performed with the SVN server.

Select one:

- a. check out/check in
- b. fork/join
- c. check in/check out
- d. commit/rollback



The correct answer is: check out/check in

~~Correct~~

Mark 1.00 out of
1.00

Which of the following option will delete the corresponding records in the child table when the records in parent table get deleted?

Select one:

- a. On delete cascade
- b. On cascade set null
- c. On delete set null
- d. On cascade delete

The correct answer is: On delete cascade

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~~Correct~~

Mark 1.00 out of
1.00

In Oracle “Salary number(8,2)” can store which format of data?

Select one:

- a. 99999999
- b. 9999999.99
- c. 99999.990000000001
- d. 999999.99



The correct answer is: 999999.99

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~~incorrect~~

Mark 0.00 out of
1.00

Which of these SQL commands are used for manipulating the structure of database objects?

Select one:

- a. Data Definition Language
- b. Data Control Language
- c. Data Access Language
- d. Data Manipulation Language

✗

The correct answer is: Data Definition Language

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~~Correct~~

Mark 1.00 out of
1.00

Which of the following keywords is used with Data Control Language statements?

Select one:

- a. Select
- b. Grant
- c. Delete
- d. Insert

The correct answer is: Grant

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~~Correct~~

Mark 1.00 out of
1.00

Which values are ignored by count(*) function?

Select one:

- a. Null values
- b. Integers
- c. Characters
- d. Repetitive values

The correct answer is: Null values

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~~incorrect~~

Mark 0.00 out of
1.00

The CUSTOMER table has following structure

CID NUMBER (5), CNAME VARCHAR2 (50), CADDRESS VARCHAR2 (150)

Which of the following statement will produce the output as "DEAR CUSTOMER NAME", where CUSTOMER NAME is fetched from CUSTOMER table?

Select one:

- a. SELECT 'DEAR '|| CNAME FROM CUSTOMER;
- b. SELECT "DEAR", CNAME FROM CUSTOMER;
- c. SELECT "DEAR || CNAME" FROM CUSTOMER;
- d. SELECT DEAR, CNAME FROM CUSTOMER;

* The correct answer is: SELECT 'DEAR '|| CNAME FROM CUSTOMER;

~~Correct~~

Mark 1.00 out of
1.00

Which command in UNIX displays the list of all the users who have logged into the Unix server?

Select one:

- a. Who
- b. Who am i
- c. users
- d. List users

The correct answer is: Who

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~~Correct~~

Mark 1.00 out of
1.00

What is the purpose of using -a option with ls command ?

Select one:

- a. for showing directories
- b. for showing executables
- c. for showing hidden files
- d. for multi columnar output

The correct answer is: for showing hidden files

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~~incorrect~~

Mark 0.00 out of
1.00

Pipes are Used to combine two or more commands. The symbol used for representing pipe is _____

Select one:

a. ||

b. >>

c. |

d. ;;

The correct answer is: |

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~~incorrect~~

Mark 0.00 out of
1.00

What does the below Unix command accomplish?

\$ vi sample

Select one:

a. open file if it exists else creates a new file

b. open file named sample

✗

c. delete a file named sample

d. edit file named sample

The correct answer is: open file if it exists else creates a new file

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~~incorrect~~

Mark 0.00 out of
1.00

Every entry in the UNIX directory file has the following component(s).

Select one:

- a. Filename and Inode number
- b. File Sixe
- c. Filename
- d. Inode number

✗

The correct answer is: Filename and Inode number

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~~incorrect~~

Mark 0.00 out of
1.00

What does the below Unix command accomplish?

`$ sed 's/ABC/ZYX/' file.txt`

Select one:

- a. Only matches and displays the occurrence of the pattern
- b. Replaces only first occurrence of 'ABC' with 'ZYX'
- c. Replaces all occurrences 'ABC' with 'ZYX'
- d. Replaces first occurrence in every line 'ABC' with 'ZYX'

The correct answer is: Replaces first occurrence in every line 'ABC' with 'ZYX'

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~~Correct~~

Mark 1.00 out of
1.00

What is the output of the following code?

```
<script type="text/javascript">  
    var s = "6718654 or 70101?";  
    var pattern = /\d{4}/;  
    var output = s.match(pattern);  
    document.write(output);  
</script>
```

Select one:

a. 6718654

b. 671701

c. 6718

d. 70101

The correct answer is: 6718



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~~incorrect~~

Mark 0.00 out of
1.00

In CSS, styles are written under _____ tag which is the child of _____ tag

Select one or more:

a. script

✗

b. body

c. style

d. head

✓

The correct answers are: head, style

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~~Correct~~

Mark 1.00 out of
1.00

Javascript is included in an HTML file with the help of _____ tag

Select one:

a. style

b. body

c. script



d. head

The correct answer is: script

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~~incorrect~~

Mark 0.00 out of
1.00

What does the following selector do ?

```
$("div")
```

Select one:

- a. Selects all div elements
- b. Selects all div elements within a <p> tag
- c. selects the first div element inside a <p> tag
- d. Selects the first div element

The correct answer is: Selects all div elements

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~~Correct~~

Mark 1.00 out of
1.00

What is the correct syntax to create an array in javascript

Select one:

- a. var txt = new Array(1:"John",2:"Ron",3:"Tom")
- b. var txt = new Array:1=("John")2=("Ron")3=("Tom")
- c. var txt = new Array="John","Ron","Tom"
- d. var txt = new Array("John","Ron","Tom")



The correct answer is: var txt = new Array("John","Ron","Tom")



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~~Correct~~

Mark 1.00 out of
1.00

In CSS to define style for a unique element then which css selector should be used?

Select one:

- a. class
- b. text
- c. id
- d. name

The correct answer is: id

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~~Correct~~

Mark 1.00 out of
1.00

What will be the XPATH expression to select all the book elements that have a price greater than 135.00

Select one:

- a. /bookstore-book-price>135.00]
- b. /bookstore/book[price>135.00]

- c. /bookstore/book-price>135.00]
- d. /bookstore-book[price>135.00]

The correct answer is: /bookstore/book[price>135.00]

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Correct

Mark 1.00 out of
1.00

Comment in XML document is given by

Select one:

a. <?-- -->

b. </-- -->

c. <!-- -->

d. <!-- --!>

The correct answer is: <!-- -->



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~~incorrect~~

Mark 0.00 out of
1.00

Which is not true about XML

Select one:

a. All XML Elements Must Have a Closing Tag

b. XML Elements Must be Properly Nested

c. XML must be wellformed

d. XML Tags are not Case Sensitive

The correct answer is: XML Tags are not Case Sensitive



~~Correct~~

Mark 1.00 out of
1.00

What is wrong in the following lines of xml code

```
<note date= 14/04/1979>
<to>Abin</to>
<from>John</from>
</note>
```

Select one:

- a. XML Elements Must be Properly Nested
- b. XML Attribute Values Must be Quoted
- c. All XML Elements Must Have a Closing Tag
- d. XML Tags are Case Sensitive

The correct answer is: XML Attribute Values Must be Quoted

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of Chrome, Firefox and Microsoft Edge

Avengers Mock 3 MCQ / MCQ / Quiz

Started on Friday, 22 November 2019, 2:02 PM

State Finished

Completed on Friday, 22 November 2019, 3:05 PM

Time taken 1 hour 3 mins

Grade 36.50 out of 50.00 (73%)

Question 1

Correct

Mark 1.00 out of
1.00

What is the diagram that depicts the interaction between objects by arranging the objects in time sequence ?

Select one:

- a. Use Case Diagram
- b. Component Diagram
- c. Sequence Diagram
- d. Activity Diagram

The correct answer is: Sequence Diagram

Correct

Mark 1.00 out of
1.00

What is the approach of OO ?

Select one:

- a. bundle data only for security
- b. bundle data seperated from method
- c. bundle method seperated from data
- d. bundle data and method



The correct answer is: bundle data and method

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QUESTION CORRECT

Mark 0.50 out of
1.00

Which of the below terms represents the levels of hierarchy ?

Select one or more:

- a. Generalization
- b. Multi-Level
- c. Aggregation
- d. Compound

The correct answers are: Generalization, Aggregation

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Correct

Mark 1.00 out of
1.00

Select the diagram used to depict the building blocks and the static structure of the system ?

Select one:

- a. Sequence Diagram
- b. Component Diagram
- c. Interaction Diagram
- d. Class Diagram



The correct answer is: Class Diagram

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Correct

Mark 1.00 out of
1.00

Select the principle that best describes the given scenario. The wind is called a breeze if it is gentle. The wind is called a storm if it is harsh.

Select one:

- a. Abstraction
- b. Aggregation
- c. Typing
- d. Polymorphism



The correct answer is: Polymorphism

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~~incorrect~~

Mark 0.00 out of
1.00

Select the principle that best describes the given scenario. An air-condition can be operated using the button or remote control.

Select one:

- a. Abstraction
- b. Encapsulation
- c. Polymorphism
- d. Hierarchy

The correct answer is: Encapsulation

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Correct

Mark 1.00 out of
1.00

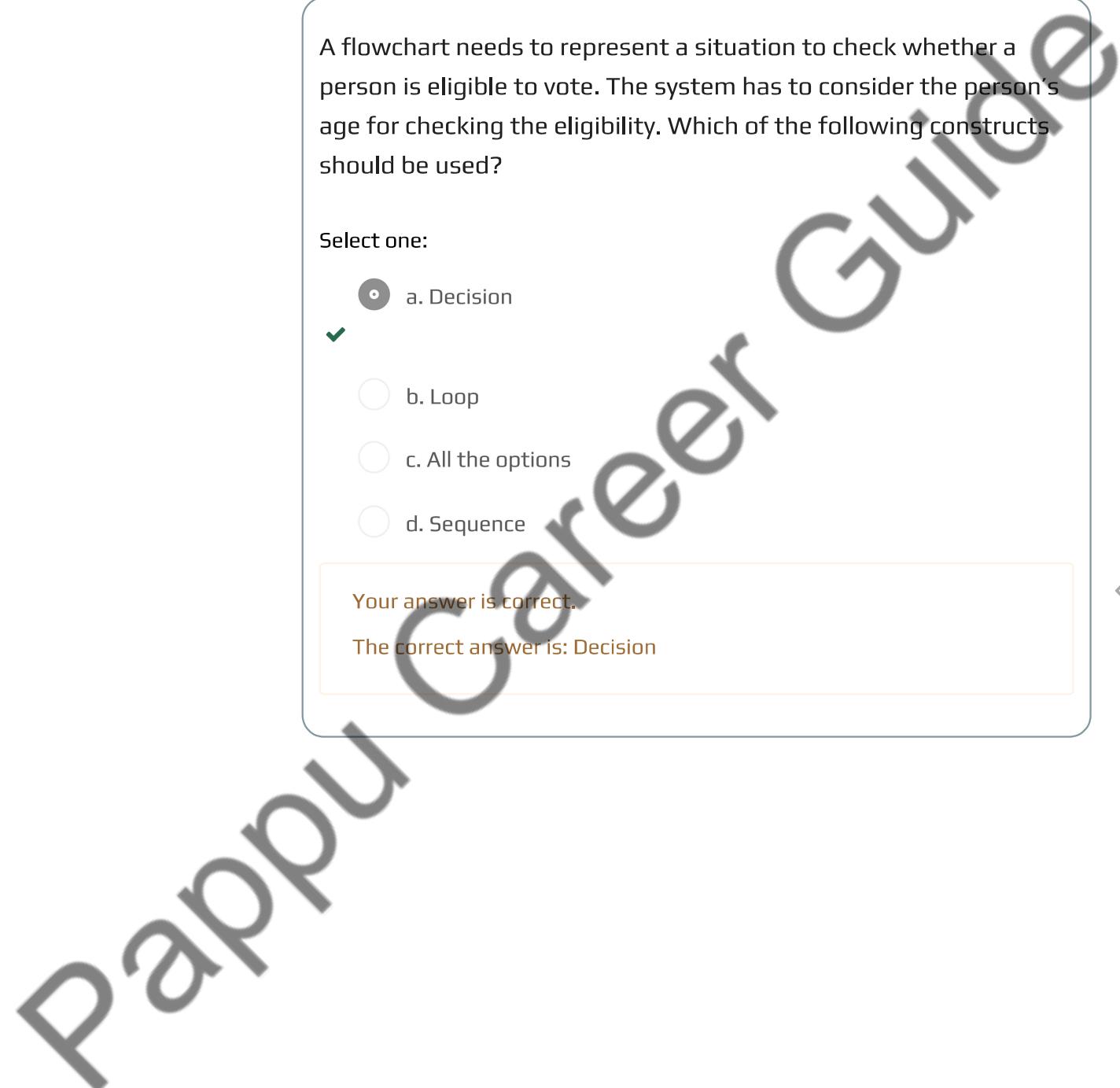
A flowchart needs to represent a situation to check whether a person is eligible to vote. The system has to consider the person's age for checking the eligibility. Which of the following constructs should be used?

Select one:

- a. Decision
- b. Loop
- c. All the options
- d. Sequence

Your answer is correct.

The correct answer is: Decision



Correct

Mark 1.00 out of
1.00

The SRS document should be

Select one:

- a. All the options
- b. Modifiable
- c. Consistent
- d. Unambiguous

The correct answer is: All the options

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incorrect

Mark 0.00 out of
1.00

In which of the given SDLC model, unclear requirements are considered?

Select one:

- a. Prototyping Model
- b. Agile Model
-
- c. Waterfall Model
- d. Spiral Model

The correct answer is: Prototyping Model

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~~Correct~~

Mark 1.00 out of
1.00

Tom and his team uses the SVN(Configuration Management Tool) to do versioning of source code. Tom has pulled out the code from the SVN server to his local machine, updated his task partially and wanted to update the work back to the SVN server. What is the actual process Tom has performed with the SVN server.

Select one:

- a. check out/check in
- b. fork/join
- c. commit/rollback
- d. check in/check out

The correct answer is: check out/check in

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Correct

Mark 1.00 out of
1.00

Identify the McCabe's number for the below code:

```
public class Testing{  
    public static void main(String[] args) {  
        int var1 = 10;  
  
        int var2 = 20;  
  
        if ((var1 > 8) && (var2 > 8))  
        { System.out.println("Greater than 8");  
        }  
  
        if ((var1 > 10) || (var2 > 10))  
        { System.out.println("Greater than 10"); }  
    }  
}
```

Select one:

- a. 6
- b. 5
- c. 4
- d. 3

The correct answer is: 5

Correct

Mark 1.00 out of
1.00

Software was developed for Global Marketing. Few changes that was earlier requested was already incorporated in the delivered software. Now the client does not want the changes and requested for the previous release. Which of the below option would facilitate developer to meet the client needs.

Select one:

- a. Software Control Management
- b. Software Configuration Management
- c. Software Repository
- d. Change Control Management

The correct answer is: Software Configuration Management

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Correct

Mark 1.00 out of
1.00

Unix Terminals are called Dummy terminals as they do not have
----- capability.

Select one:

- a. Display
- b. Output
- c. Processing
- d. Input

The correct answer is: Processing

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Correct

Mark 1.00 out of
1.00

Pipes are Used to combine two or more commands. The symbol used for representing pipe is _____

Select one:

- a. ||
- b. |
- c. ;;
- d. >>

The correct answer is: |

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Correct

Mark 1.00 out of
1.00

Which of the following layer acts as an interface between user and kernel ?

Select one:

- a. System Calls
- b. Shell
- c. Hardware
- d. Kernel

The correct answer is: Shell

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Correct

Mark 1.00 out of
1.00

Every entry in the UNIX directory file has the following component(s).

Select one:

- a. Filename and Inode number
- b. Inode number
- c. Filename
- d. File Sixe

The correct answer is: Filename and Inode number

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Correct

Mark 1.00 out of
1.00

Which command in UNIX displays the list of all the users who have logged into the Unix server?

Select one:

- a. List users
- b. Who
- c. Who am i
- d. users

The correct answer is: Who

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Correct

Mark 1.00 out of
1.00

Which of the following should be used to print lines containing 'manager' in emp.lst?

Select one:

- a. awk '/manager { print }' emp.lst
- b. awk 'manager { print }' emp.lst
- c. awk '/manager/ { print }' emp.lst
- d. awk '/manager/ { print }' emp.lst



The correct answer is: awk '/manager/ { print }' emp.lst

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Correct

Mark 1.00 out of
1.00

Which is the correct way to define an empty book element

Select one:

- a. <book>
- b. <book>empty</book>
- c. <book></book>
- d. <book>NULL</book>

The correct answer is: <book></book>

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Correct

Mark 1.00 out of
1.00

What is wrong in the following lines of xml code

```
<note date= 14/04/1979>
<to>Abin</to>
<from>John</from>
</note>
```

Select one:

- a. XML Attribute Values Must be Quoted
- b. XML Tags are Case Sensitive
- c. XML Elements Must be Properly Nested
- d. All XML Elements Must Have a Closing Tag

The correct answer is: XML Attribute Values Must be Quoted

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Correct

Mark 1.00 out of
1.00

What is the correct way of declaring an XML namespace?

Select one:

- a. xmlns:prefix=URI
- b. xmlns-prefix="URI"
- c. xmlns:prefix="URI"
- d. xmlns:prefix,"URI"

The correct answer is: xmlns:prefix="URI"

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incorrect

Mark 0.00 out of
1.00

Find out the well-formed xml file

Select one:

- a. <book category="Web">
 <bname>XML Tutorials</BNAME>
 <pages>100</pages>
 <price>\$300.00</price>
 <book>
- b. <book category=Web>
 <bname>XML Tutorials</bname>
 <pages>100</pages>
 <price>\$300.00</price>
 </book>
- c. <book category="Web">
 <bname>XML Tutorials</bname>
 <pages>100</pages>
 <price>\$300.00</Price>
 </book>
- d. <book category="Web">
 <bname>XML Tutorials</bname>
 <pages>100</pages>
 <price>\$300.00</price>
 </book>

The correct answer is: <book category="Web">
 <bname>XML Tutorials</bname>
 <pages>100</pages>
 <price>\$300.00</price>
 </book>

Correct

Mark 1.00 out of
1.00

If Employee class is created inside com.test package, what could be the first line in class? Choose most appropriate option.

Select one:

- a. packages com.test
- b. class Employee{}
- c. package com.test
- d. package com.test.Employee

The correct answer is: package com.test

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Correct

Mark 1.00 out of
1.00

What will be the output of the following Java code?

```
public class ApplicationTester
{
    public static void main(String[] args)
    {
        int i=0;
        for(i=0; i<10; i++)
        {
            if(i == 5)
            {
                continue;
            }
            i++;
            System.out.print(i + " ");
        }
    }
}
```

Choose the most appropriate option.

Select one:

- a. 1 2 3 4 6 7 8 9
- b. 1 3 5 7 9
- c. 1 2 3 4 and then program will get into infinite loop
- d. 1 2 3 4 5 6 7 8 9

The correct answer is: 1 3 5 7 9

Correct

Mark 1.00 out of
1.00

What will be the output of the following Java code?

```
public class Rectangle
{
    private int length;
    private int width;
    public static void main(String[] args)
    {
        Rectangle rectangle1 = new Rectangle();
        rectangle1.length=10;
        rectangle1.width=5;
        Rectangle rectangle2 = rectangle1;
        System.out.println("Length : "+rectangle2.length);
        System.out.println("Width : "+rectangle2.width);
    }
}
```

Choose the most appropriate option.

Select one:

- a. Length : null Width : null
- b. Length : 10 Width : 5
- c. Length: 5 Width: 10
- d. Length : 0 Width : 0

The correct answer is: Length : 10 Width : 5

Correct

Mark 1.00 out of
1.00

What will be the output of the following Java code?

```
public class IfTester
{
    public static void main(String[] args)
    {
        int number1 = 10, number2;
        if(number1 == 10)
        {
            number2 = 20;
        }
        if (number1 != 10)
        {
            number2 = 30;
        }
        System.out.println("Number2 :" +number2);
    }
}
```

Choose the most appropriate option.

Select one:

- a. Compilation Error: The local variable number2 may not have been initialized
- b. Number2 :0
- c. Number2 :20
- d. Number2 :30

The correct answer is: Compilation Error: The local variable number2 may not have been initialized

~~Correct~~

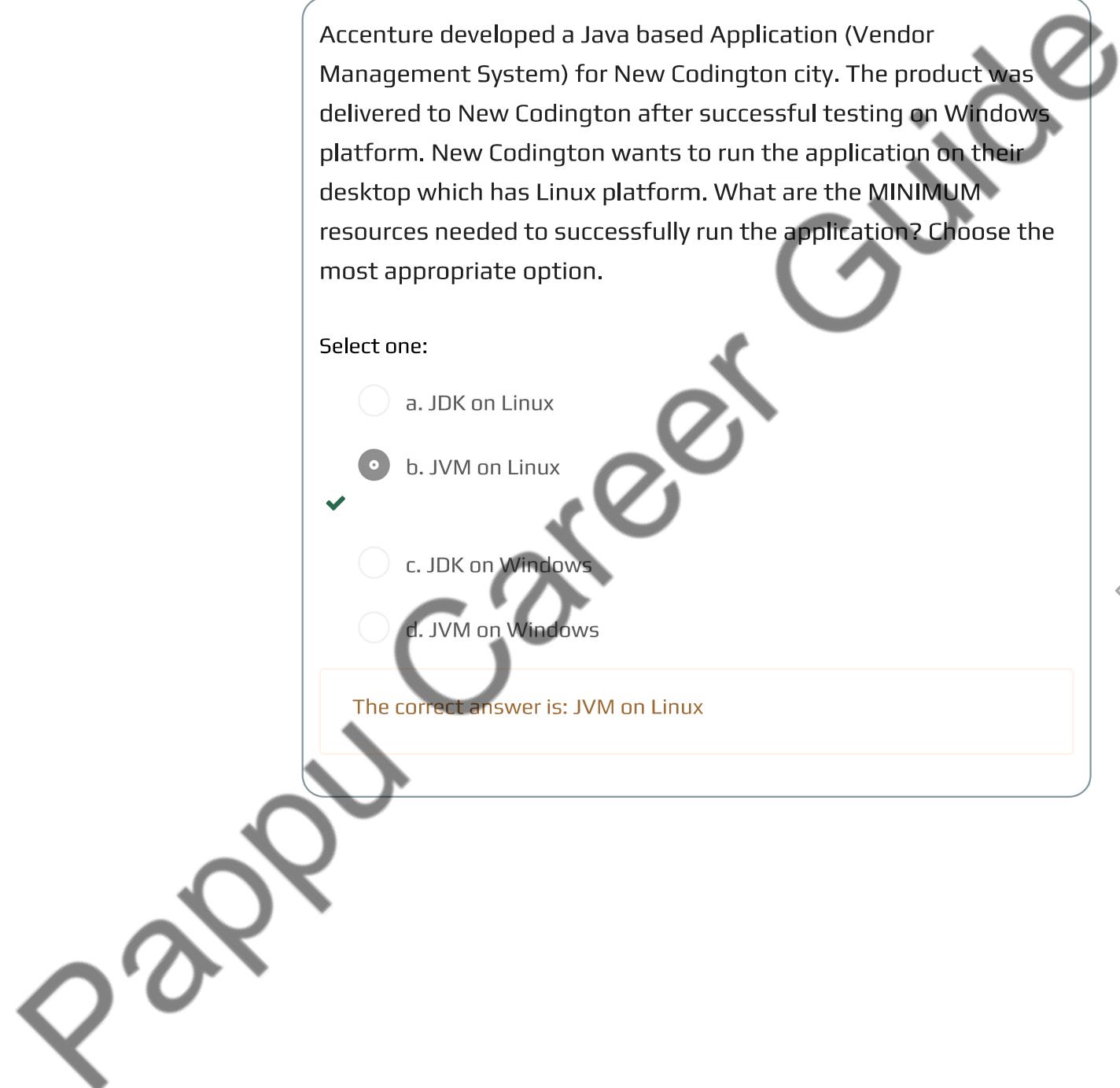
Mark 1.00 out of
1.00

Accenture developed a Java based Application (Vendor Management System) for New Codington city. The product was delivered to New Codington after successful testing on Windows platform. New Codington wants to run the application on their desktop which has Linux platform. What are the MINIMUM resources needed to successfully run the application? Choose the most appropriate option.

Select one:

- a. JDK on Linux
- b. JVM on Linux
- c. JDK on Windows
- d. JVM on Windows

The correct answer is: JVM on Linux



Correct

Mark 1.00 out of
1.00

What will be the output of the following Java code?

```
public class OverloadTester
{
    public static void main(String[] args)
    {
        double result = new OverloadTester().add(25, 35);
        System.out.println("Sum is " + result);
    }
    public int add(int number1, int number2)
    {
        return number1 + number2;
    }
    public double add(int number1, int number2)
    {
        return number1 + number2;
    }
}
```

Choose the most appropriate option.

Select one:

- a. Compilation Error: Duplicate method add(int, int) in type OverloadTester
- b. Sum is 0
- c. Sum is 60.0
- d. Sum is 60

The correct answer is: Compilation Error: Duplicate method add(int, int) in type OverloadTester

incorrect

Mark 0.00 out of
1.00

Given the below code. What is output ?

```
class Currency
{
    private String country = "Canada";
    public String getC()
    {
        return country;
    }
}
class JapeneseYen extends Currency
{
    public String getC()
    {
        return super.country;
        //Line 12
    }
}
public class AustralianDollar extends Currency
{
    public String getC(int x)
    {
        return super.getC();
    }
    public static void main(String[] args)
    {
        System.out.print(new JapeneseYen().getC() + " " + new
        AustralianDollar().getC());
    }
}
```

Choose most appropriate option.

Select one:

- a. null null
- b. Compilation fails due to an error on line 12 ";country is not visible";

d. Canada Canada

✗

e. Canada null

The correct answer is: Compilation fails due to an error on line 12
";country is not visible ";.

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Correct

Mark 1.00 out of
1.00

What will be the output of the following Java code?

```
public class ApplicationTester
{
    public static void main(String[] args)
    {
        int[] array = {-9,-11-8,-100,-78};
        int minimum = 0;
        for(int index=0; index < array.length; index++)
        {
            if(minimum < array[index])
            { minimum = array[index];
            }
        }
        System.out.println(minimum);
    }
}
```

Choose the most appropriate option.

Select one:

a. 0



b. null

c. -100

d. -8

The correct answer is: 0

Correct

Mark 1.00 out of
1.00

What will be the output of the following Java code?

```
public class ApplicationTester {  
    public static void main(String[] args) {  
        int [] array1 = {10,20,30,40,50};  
        int [] array2 = array1;  
        for(int index1=0,index2=3;  
index2<array2.length&&index1<array1.length; index1++,++index2)  
        {  
            array1[index1]++;  
            System.out.print(array2[index2]+" ");  
        }  
    }  
}
```

Select one:

- a. Array Index Out Of Bounds Exception
- b. 40 50
- c. 0 0
- d. 41 51

The correct answer is: 40 50

~~incorrect~~

Mark 0.00 out of
1.00

Which of the following statement(s) is/are TRUE?

- (i) In a non-correlated(independent) subquery, the subquery is always executed only once.
- (ii) In a non-correlated(independent) subquery, the inner query (sub query) references the column from the outer query (main query).

Choose most appropriate option

Select one:

- a. Neither (i) nor (ii)
- b. Only (i)
- c. Only (ii)
- d. Both (i) and (ii)



The correct answer is: Only (i)

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~~Correct~~

Mark 1.00 out of
1.00

The employee tables contains EmployeeId,EmployeeName and DeptCode Columns. Which is the CORRECT SQL query to display the EmployeeId and EmployeeName of employees who are working in DeptCode 10 OR 20?

- (i) SELECT EmployeeId,EmployeeName FROM Employee WHERE DeptCode IN (10,20);
(ii) SELECT EmployeeId,EmployeeName FROM Employee WHERE DeptCode = 10 OR DeptCode = 20;
Choose most appropriate option.

Select one:

- a. Only (ii)
- b. Only (i)
- c. Both (i) and (ii)
- d. Neither (i) nor (ii)

The correct answer is: Both (i) and (ii)

incorrect

Mark 0.00 out of
1.00

Which of the following can be created as a table level constraint?

- (i) primary Key
- (ii) foreign key
- (iii) unique

Choose most appropriate option.

Select one:

a. (i) and (iii)

b. (i) only

c. (i) and (ii)

d. (i), (ii) and (iii)

The correct answer is: (i), (ii) and (iii)

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~~incorrect~~

Mark 0.00 out of
1.00

Which of the following about DELETE command in SQL is FALSE?
Choose most appropriate option.

Select one:

- a. Used for deleting a single column value in a record
- b. Is a DML statement and has to be manually committed
- c. Used for deleting multiple records in a table
- d. Throws constraint violation error when deleting a parent record, for which child records exists

The correct answer is: Used for deleting a single column value in a record

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~~Correct~~

Mark 1.00 out of
1.00

Identify the CORRECT SQL statement to create a Account table with composite primary key (AccountNumber, CustomerId).

Choose most appropriate option

Select one:

- a. CREATE TABLE Account (AccountNumber Number(5),
CustomerId Number(10) CONSTRAINT Acc_Pkey2 PRIMARY
KEY (AccountNumber,CustomerId), OpeningDate Date, Balance
Number(10,2));
- b. CREATE TABLE Account (AccountNumber Number(5),
CustomerId Number(10), OpeningDate Date, Balance
Number(10,2), CONSTRAINT Acc_Pkey PRIMARY KEY
(AccountNumber,CustomerId));
-
- c. CREATE TABLE Account (AccountNumber Number(5)
CONSTRAINT Acc_Pkey1 PRIMARY KEY, CustomerId
Number(10) CONSTRAINT Acc_Pkey2 PRIMARY KEY,
OpeningDate Date, Balance Number(10,2));
- d. CREATE TABLE Account (AccountNumber Number(5),
CustomerId Number(10), OpeningDate Date, Balance
Number(10,2), CONSTRAINT Acc_Pkey COMPOSITE PRIMARY
KEY (AccountNumber,CustomerId));

Your answer is correct.

The correct answer is: CREATE TABLE Account (AccountNumber
Number(5), CustomerId Number(10), OpeningDate Date, Balance
Number(10,2), CONSTRAINT Acc_Pkey PRIMARY KEY
(AccountNumber,CustomerId));

~~incorrect~~

Mark 0.00 out of
1.00

Consider the tables given below.

Customer(customerId,(customerName)

Book(bookId, bookName)

Purchase(purchaseId, bookId, customerId)

bookId and customerId in purchase table are foreign keys referring to Book and Customer tables respectively.

Which is the CORRECT SQL statement to retrieve customer name and book name for all books purchased by customers.

Select one:

- a.

```
SELECT c.customerName,b.bookName
FROM customer c INNER JOIN purchase p
ON c.customerId=p.customerId
SELF JOIN book b
ON b.bookid=p.bookid;
```
- b.

```
SELECT c.customerName,b.bookName
FROM customer c INNER JOIN purchase p
ON c.customerId=p.customerId
INNER JOIN book b
ON b.bookid=p.bookid;
```
- c.

```
SELECT c.customerName,b.bookName
FROM customer c INNER JOIN purchase p
INNER JOIN book b
ON b.bookid=p.bookid AND c.customerId=p.customerId;
```
- d.

```
SELECT c.customerName,b.bookName
FROM customer c INNER JOIN purchase p
ON c.customerId=p.customerId;
```

Your answer is incorrect.

```
INNER JOIN book b  
ON b.bookid=p.bookid;
```

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incorrect

Mark 0.00 out of
1.00

Refer the incomplete code given below.

```
<style>  
    #firstname {  
        background-color: yellow;  
        color:red;  
    }  
</style>  
<input type=text <strong>__Blank1__</strong>='firstname'>
```

Choose the CORRECT attribute which if replaces '__Blank1__' will apply the CSS to text box.

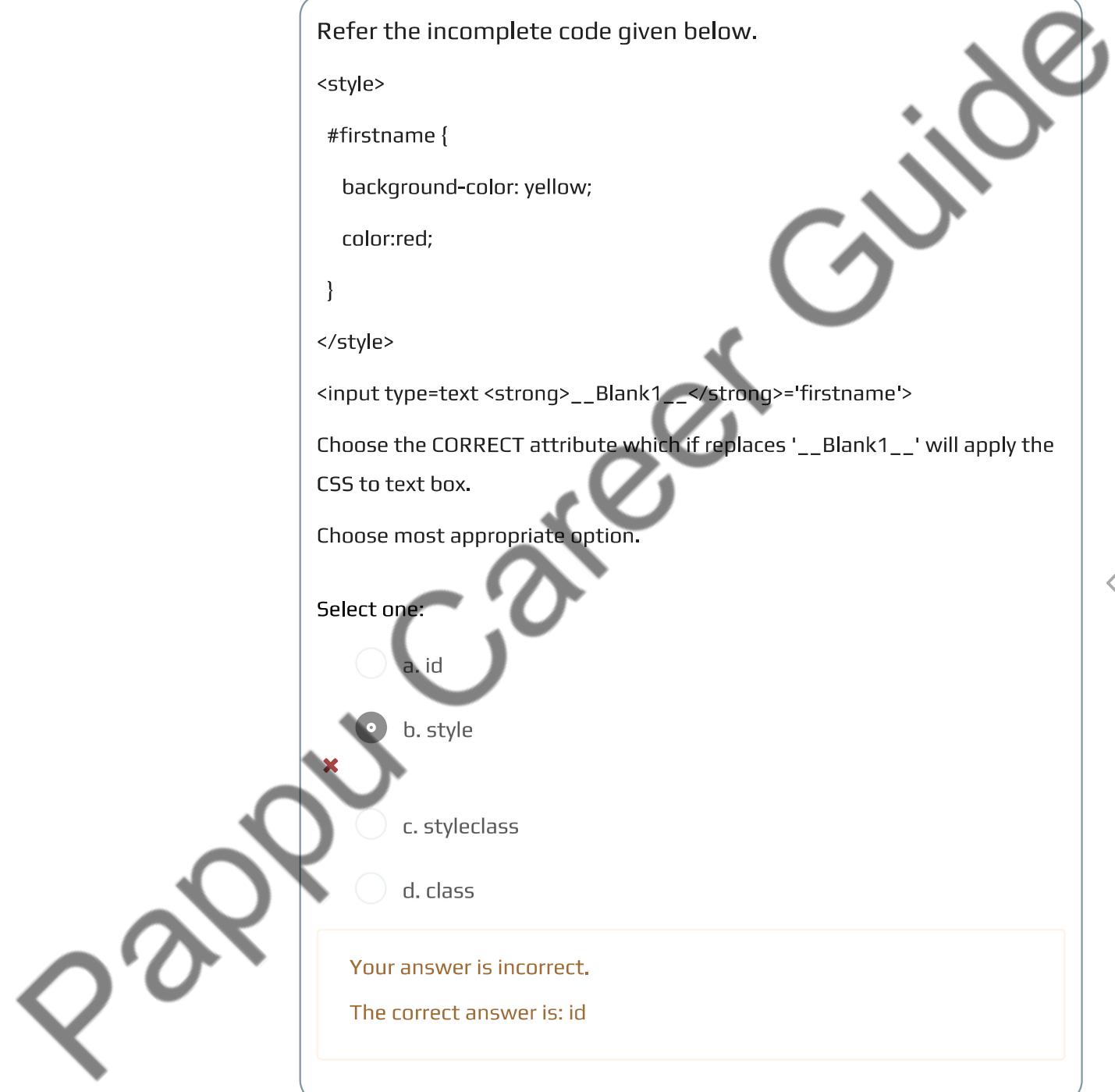
Choose most appropriate option.

Select one:

- a. id
- b. style
- c. styleclass
- d. class

Your answer is incorrect.

The correct answer is: id



incorrect

Mark 0.00 out of
1.00

'link', 'vlink' and 'alink' are attributes of which HTML tag?

Choose the most appropriate option.

Select one:

a. <body>

b. <a>

✗

c.

d. <head>

Your answer is incorrect.

The correct answer is: <body>

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Correct

Mark 1.00 out of
1.00

Which of the following attribute is used by a HTML tag to apply inline style? Choose most appropriate option.

Select one:

- a. style
- b. class
- c. styleclass
- d. id

The correct answer is: style

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~~incorrect~~

Mark 0.00 out of
1.00

Refer the incomplete HTML Code given below

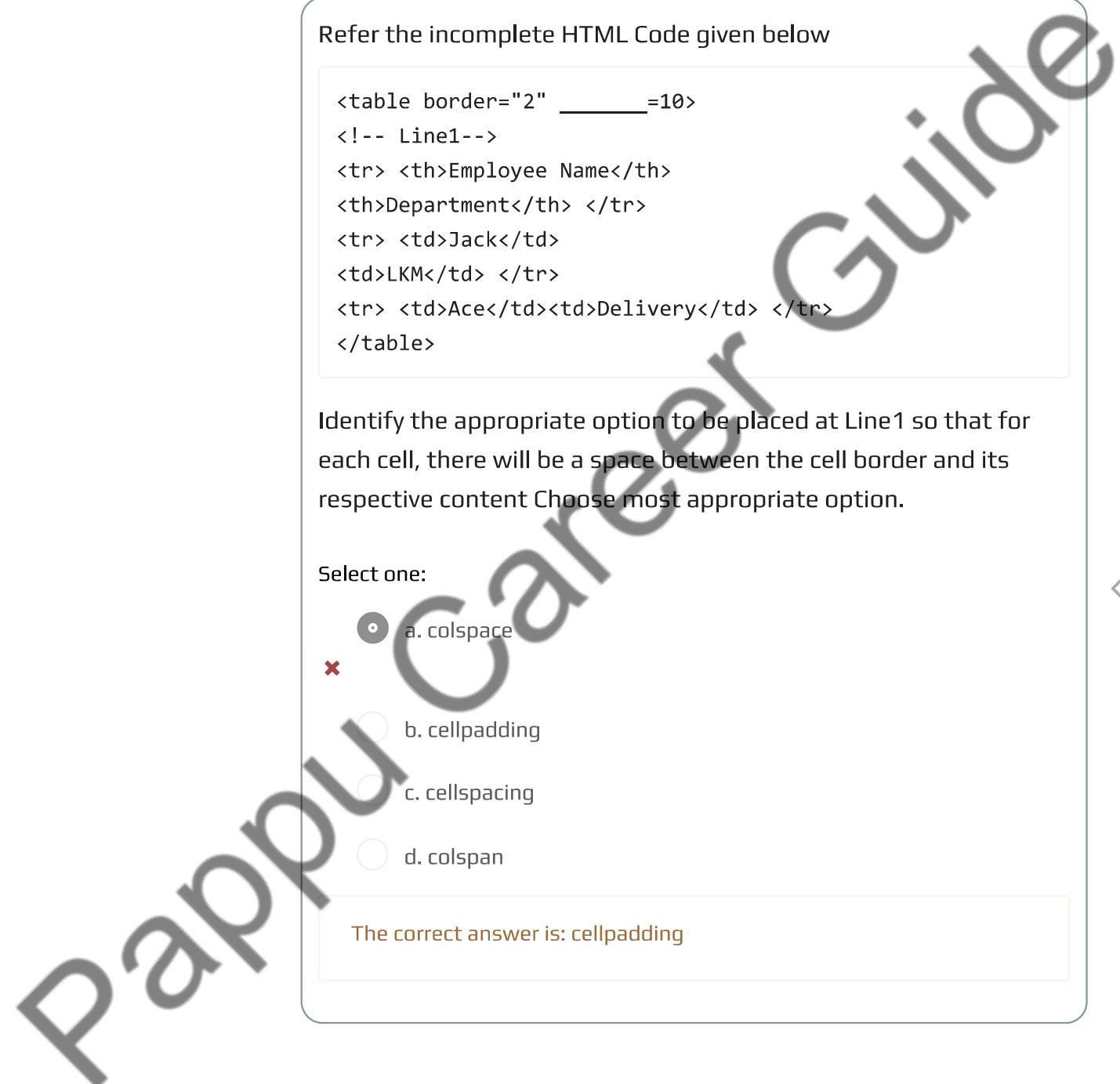
```
<table border="2" _____=10>
<!-- Line1-->
<tr> <th>Employee Name</th>
<th>Department</th> </tr>
<tr> <td>Jack</td>
<td>LKM</td> </tr>
<tr> <td>Ace</td><td>Delivery</td> </tr>
</table>
```

Identify the appropriate option to be placed at Line1 so that for each cell, there will be a space between the cell border and its respective content Choose most appropriate option.

Select one:

- a. colspace
- b. cellpadding
- c. cellspacing
- d. colspan

The correct answer is: cellpadding



CORRECT

Mark 1.00 out of
1.00

Refer the incomplete HTML code given below.

```
<input type="text" name="firstname" ___Blank1___ = "5" />
```

It is required to restrict the maximum number of characters being entered in the above text box to 5. From the given option, identify the CORRECT option which can replace "___Blank1___" to meet the above requirement. Choose most appropriate option.

Select one:

- a. maxsize
- b. length
- c. size
- d. maxlength

The correct answer is: maxlength



incorrect

Mark 0.00 out of
1.00

How many cells will be created after executing the below HTML code?

```
<html>
<body>
<table border="1">
<tr> <td colspan="3"> Jack </td> </tr>
<tr> <td colspan="2"> Tom </td> <td> Mark </td> </tr>
<tr> <td rowspan="2"> John</td> <td> James</td> <td> Mary</td>
</tr>
<tr> <td> Helen</td> <td> Sam </td> </tr>
</table>
</body>
</html>
```

Select one:

a. 8

b. 10

c. 9



d. 7

Your answer is incorrect.

The correct answer is: 8

Correct

Mark 1.00 out of
1.00

SPOT THE ERROR:

Observe the below algorithm to find the average of three numbers.

Step1: Start

Step2: Get num1, num2, num3

Step3: Add num1, num2, num3 and store it in Sum

Step4: Average=sum%3

Step5: Display Sum and Average

Step6: Stop

Identify the incorrect step(if any)

Select one:

- a. Step 4
- b. Step 5
- c. Step 2
- d. No error

Your answer is correct.

The correct answer is: Step 4

Correct

Mark 1.00 out of
1.00

The properties of good program must have_____

Select one:

- a. Component dependence
- b. Fault Prevention and fault tolerance
- c. Poor Design for change
- d. Modules tightly connected

Your answer is correct.

The correct answer is:

Fault Prevention and fault tolerance

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~~Correct~~

Mark 1.00 out of
1.00

Carefully read the question and answer accordingly. Which data structure is said to be linear data structure?

Select one:

- a. Arrays
- b. Tree
- c. None of the listed options
- d. Graphs

The correct answer is: Arrays

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Correct

Mark 1.00 out of
1.00

Carefully read the question and answer accordingly. From the list of input elements one element is taken during each iteration to find its corresponding position. This idea of sorting is said to be -----.

Select one:

- a. selection Sort
- b. Bubble Sort
- c. insertion sort
- d. Merge sort

The correct answer is: insertion sort

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Correct

Mark 1.00 out of
1.00

Time complexity of an algorithm signifies the total time required by the algorithm to complete its execution with provided resources. State True or False.

Select one:

- True ✓
- False

The correct answer is 'True'.

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Correct

Mark 1.00 out of
1.00

What is the time complexity of below function?

```
void cal_fun(int m,int a[])
{
    int i=0,j=0;
    for(;i<m;++i)
        while(j<m && a[i] < a[j])
            j++;
}
```

Select one:

- a. $O(n)$
- b. $O(n \log n)$
- c. $O(n^2)$
- d. $O(1)$

The correct answer is: $O(n)$

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incorrect

Mark 0.00 out of
1.00

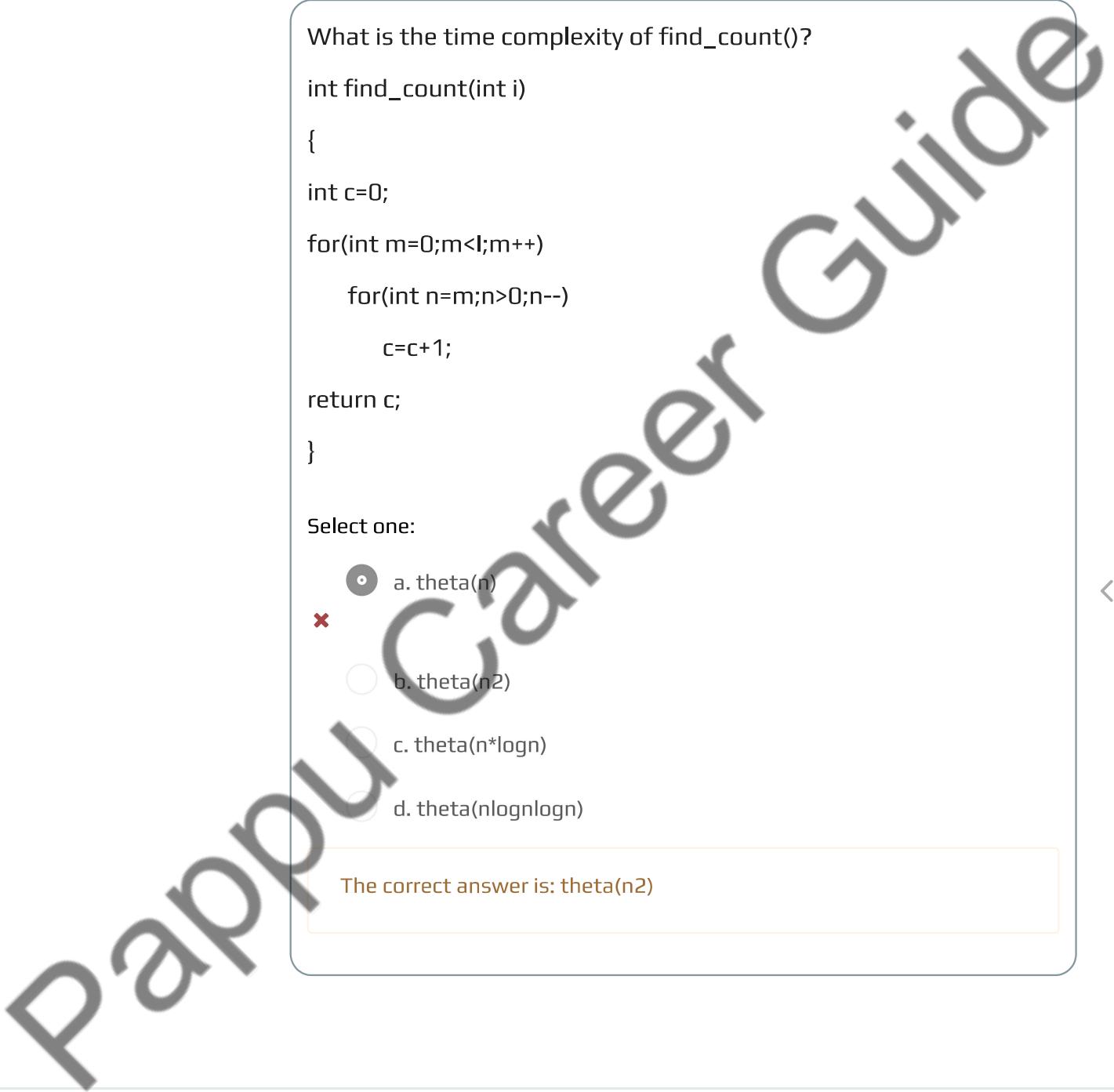
What is the time complexity of find_count()?

```
int find_count(int i)
{
    int c=0;
    for(int m=0;m<1;m++)
        for(int n=m;n>0;n--)
            c=c+1;
    return c;
}
```

Select one:

- a. theta(n)
- b. theta(n²)
- c. theta(n*logn)
- d. theta(n*logn*logn)

The correct answer is: theta(n²)



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Question 4

Not yet
answered

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question

Identify the RDBMS terminologies for a column.

Select one or more:

- a. Cardinality
- b. Relation
- c. Field
- d. Attribute

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tion

Consider the following set of relations.

DOCTOR (doctor_id,doctor_name,dept_id,salary)

DEPARTMENT(dept_id,dept_name,block_no)

Select the correct SQL query to find all the doctors whose departments are located in 5th block and salary is greater than or equal to Rs.30,000.

Select one or more:

- a. select doctor_name from doctor where salary >= 30,000 and dept_id in (select dept_id from dept where block_no = 5);
- b. select dept_id ,count(doctor_id) from doctor where salary >30,000 group by dept_id;
- c. None of the query is correct
- d. select doctor_name from doctor d1, dept d2 where d1.dept_id=d2.dept_id and block_no=5 and salary >=30000;

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Consider the following set of relations.

DOCTOR (doctor_id,doctor_name,dept_id,salary)

DEPARTMENT(dept_id,dept_name,block_no)

Select the correct SQL query to find all the doctors whose departments are located in 5th block and salary is greater than or equal to Rs.30,000.

Select one or more:

- a. select doctor_name from doctor d1, dept d2 where d1.dept_id=d2.dept_id and block_no=5 and salary >=30000;
- b. select doctor_name from doctor where salary >= 30,000 and dept_id in (select dept_id from dept where block_no = 5);
- c. None of the query is correct
- d. select dept_id ,count(doctor_id) from doctor where salary >30,000 group by dept_id;

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Question

Not yet
answered

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question

Consider the query below.

```
SELECT model_no "Model Number", COUNT(*) "Number of Bikes Available"  
FROM bikes  
WHERE model = 'Benelli'  
GROUP BY model_no  
HAVING COUNT(*) > 20  
ORDER BY COUNT(*);
```

In the above statement, identify the correct order in which the query gets executed.

Select one:

- a. FROM, WHERE, HAVING, GROUP BY, SELECT, ORDER BY
- b. FROM, WHERE, GROUP BY, HAVING, ORDER BY, SELECT
- c. FROM, WHERE, GROUP BY, HAVING, SELECT, ORDER BY
- d. SELECT, FROM, WHERE, GROUP BY, HAVING, ORDER BY

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estion

Consider the query: `SELECT department_id, AVG(salary)FROM employees WHERE AVG(salary) > 8000 GROUP BY department_id;`

There is an error:

ORA-00934: group function is not allowed here. What will be the correct reason for the error?

Select one:

- a.
You cannot use group functions in the SELECT clause.
- b.
You cannot use group by clause without HAVING clause
- c.
All the options
- d.
You cannot use group functions in the WHERE clause.



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Assume we have created a table employees with the columns - employee_id, employee_name, salary, designation and department_id.

Which query displays department_id, maximum salary and average salary paid in each department. Display the details if the maximum salary is greater than 50000.

Select one:

- a. select department_id, max(salary), avg(salary) from employees group by department_id having max(salary) > 50000 ;
- b. select department_id, max(salary), avg(salary) from employees where max(salary) > 50000 group by department_id;
- c. select department_id, max(salary), avg(salary) from employees group by department_id where max(salary) > 50000 ;
- d. select department_id, max(salary), avg(salary) from employees having max(salary) >= 50000 group by department_id;

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Question
5

Not yet
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question

Consider the following set of relations.

DOCTOR (doctor_id,doctor_name,dept_id,salary)

DEPARTMENT(dept_id,dept_name,block_no)

Select the correct SQL query to find all the doctors whose departments are located in 5th block and salary is greater than or equal to Rs.30,000.

Select one or more:

- a. select dept_id ,count(doctor_id) from doctor where salary >30,000 group by dept_id;
- b. None of the query is correct
- c. select doctor_name from doctor where salary >= 30,000 and dept_id in (select dept_id from dept where block_no = 5);
- d. select doctor_name from doctor d1, dept d2 where d1.dept_id=d2.dept_id and block_no=5 and salary >=30000;

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**Question
3**

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Flag
question

Consider the query: `SELECT department_id, AVG(salary)FROM employees WHERE AVG(salary) > 8000 GROUP BY department_id;`

There is an error:

ORA-00934: group function is not allowed here. What will be the correct reason for the error?

Select one:

- a.
All the options
- b.
You cannot use group by clause without HAVING clause
- c.
You cannot use group functions in the SELECT clause.
- d.
You cannot use group functions in the WHERE clause.

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**Question
1**

Not yet
answered

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question

A NULL is the same as zero or a space. State True/False.

Select one:

- a. True
- b. False

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Which SQL statement produces an error?

Select one:

- a. SELECT department_id, job_id, AVG(salary) FROM emp_dept_vu GROUP BY department_id, job_id;
- b. SELECT job_id, SUM(salary) FROM emp_dept_vu WHERE department_id IN (10,20) GROUP BY job_id HAVING SUM(salary) > 20000;
- c. SELECT * FROM emp_dept_vu;
- d. SELECT department_id, SUM(salary) FROM emp_dept_vu GROUP BY department_id;
- e. None of the statements produce an error, all are valid.

Question 6

Not yet
answered

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question

Consider the following set of relations

DOCTOR (doctor_id,doctor_name,dept_id,salary)
DEPARTMENT(dept_id,dept_name,block_no)

Find out the illegal queries which will produce an error:

Select one or more:

- a. SELECT dept_id,doctor_name,COUNT(doctor_name)
FROM doctor group by dept_id order by dept_id desc;
- b. select doctor_id,doctor_name from doctor where salary > 10000;
- c. SELECT dept_id, doctor_name, dept_name, salary from doctor d join department d1 on d.dept_id=d1.dept_id
order by 1 asc;
- d. select doctor_name from doctor where doctor_name like '_a%';

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S Contest 2

Dashboard / Eternals RDBMS Contest 2 / MCQ Questions / RDBMS MCQ

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Quiz

1

6

Finish

Time

Question
5

Not yet
answered

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1.00

Flag
question

_____ is the same as the Cartesian product between two tables?

Select one:

- a. OUTER JOIN
- b. NATURAL JOIN
- c. CROSS JOIN
- d. INNER JOIN

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Pappu Career Guide

Question 8

Not yet
answered

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1.00

Flag
question

Which of the following function is used to join two strings?

Select one:

- a. LENGTH
- b. SUBSTR
- c. INITCAP
- d. CONCAT

Previous page

Question

1

Not yet
answered

Marked out of
1.00

Flag
question

All DDL commands does _____ by default.

Select one:

- a.
auto-commit
- b.
All of the options
- c.
auto-grant
- d.
auto-rollback

Next page

Question 10

Not yet answered

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Flag question

What is the sample query to display the employee number, names of clerks who earn a salary more than the lowest salary of any salesman from EMP table?

Select one:

- a.
select empno, ename from emp where job= 'CLERK' and sal>(select sal from emp where job='CLERK');
- b.
select empno, ename from emp where job= 'CLERK' and sal=(select max(sal) from emp);
- c.
select empno, ename from emp where job= CLERK and sal=(select max(sal) from emp where job='SALESMAN');
- d. select empno, ename from emp where job='CLERK' and sal > (select min(sal)
from emp where job='SALESMAN');

Quiz navigation

1	2	3	4
5	6	7	8

Finish attempt ...

Time left 0:11:39

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Finish attempt ...

Question
2

Not yet
answered

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1.00

Flag
question

Consider the query below.

```
SELECT model_no "Model Number", COUNT(*) "Number of Bikes Available"  
FROM bikes  
WHERE model = 'Benelli'  
GROUP BY model_no  
HAVING COUNT(*) > 20  
ORDER BY COUNT(*);
```

In the above statement, identify the correct order in which the query gets executed.

Select one:

- a. FROM, WHERE, GROUP BY, HAVING, ORDER BY, SELECT
- b. SELECT, FROM, WHERE, GROUP BY, HAVING, ORDER BY
- c. FROM, WHERE, HAVING, GROUP BY, SELECT, ORDER BY
- d. FROM, WHERE, GROUP BY, HAVING, SELECT, ORDER BY

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Quiz

1

6

Finish

Time

**Question
3**

Not yet
answered

Marked out of
1.00

Flag
question

Which SQL statement produces an error?

Select one:

- a. SELECT job_id, SUM(salary) FROM emp_dept_vu WHERE department_id IN (10,20) GROUP BY job_id HAVING SUM(salary) > 20000;
- b. SELECT department_id, job_id, AVG(salary) FROM emp_dept_vu GROUP BY department_id, job_id;
- c. None of the statements produce an error; all are valid.
- d. SELECT department_id, SUM(salary) FROM emp_dept_vu GROUP BY department_id;
- e. SELECT * FROM emp_dept_vu;

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**Question
1**

Not yet
answered

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1.00

Flag
question

All DDL commands does _____ by default.

Select one:

- a.
All of the options
- b.
auto-commit
- c.
auto-rollback
- d.
auto-grant

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Quiz

1

6

Fin

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Question 4

Answer saved

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Flag
question

Identify the RDBMS terminologies for a column.

Select one or more:

- a. Attribute
- b. Field
- c. Cardinality
- d. Relation

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**Question
9**

Not yet
answered

Marked out of
1.00

Flag
question

Choose the correct query to display the details of the last 5 (least in salary) employees of the company.

Select one:

- a. SELECT DISTINCT SAL FROM EMP E WHERE 5 <= (SELECT COUNT(DISTINCT SAL) FROM EMP A WHERE A.SAL>=E.SAL) ORDER BY SAL;
- b. SELECT DISTINCT SAL FROM EMP E WHERE 5 >= (SELECT COUNT(DISTINCT SAL) FROM EMP A WHERE A.SAL>=E.SAL) ORDER BY SAL;
- c. SELECT DISTINCT SAL FROM EMP E WHERE 5 >= (SELECT COUNT(DISTINCT SAL) FROM EMP A WHERE A.SAL<=E.SAL) ORDER BY SAL DESC;
- d. SELECT DISTINCT SAL FROM EMP E WHERE 5 <= (SELECT COUNT(DISTINCT SAL) FROM EMP A WHERE A.SAL<=E.SAL) ORDER BY SAL DESC;

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[Next page](#)

Question 10

Not yet
answered

Marked out of
1.00

 Flag
question

What is the sample query to display the employee number and names of salesmen who earn a salary more than the highest salary of any clerk.

Select one:

- a. select empno, ename from emp where job='SALESMAN' and sal>(select max(sal) from emp where job='CLERK');
- b. select empno, ename from emp where job= 'SALESMAN' and sal=(select max(sal) from emp);
- c. select empno, ename from emp where job= 'SALESMAN' and sal<(select max(sal) from emp);
- d. select empno, ename from emp where job= 'SALESMAN' and sal=(select sal from emp where job='CLERK');

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[Finish attempt ...](#)

**Question
2**

Not yet
answered

Marked out of
1.00

Flag
question

Assume we have created a table employees with the columns - employee_id,employee_name, salary, designation and department_id.

Which query displays department_id,maximum salary and average salary paid in each department. Display the details if the maximum salary is greater than 50000.

Select one:

- a.
select department_id, max(salary), avg(salary) from employees where max(salary) > 50000 group by department_id;
- b. select department_id, max(salary), avg(salary) from employees group by department_id having max(salary) > 50000 ;
- c.
select department_id, max(salary), avg(salary) from employees group by department_id where max(salary) > 50000 ;
- d.
select department_id, max(salary), avg(salary) from employees having max(salary) >= 50000 group by department_id;

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**Question
7**

Not yet
answered

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1.00

Flag
question

Consider the query: SELECT employee_id, employee_name, salary * 12 'ANNUAL SALARY' FROM employees; There are few errors in this query. Identify them.

Select one:

- a.
Usage of single quotes in Column alias name which contains space.
- b.
Multiplication operator is incorrect.
- c. All the options
- d.
"AS" keyword is not used for column alias name

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**Question
5**

Not yet
answered

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1.00

Flag
question

Which operator is NOT appropriate in the join condition of a non-equi join SELECT statement?

Select one:

- a. IN operator
- b. equal operator
- c. greater than or equal to operator
- d. BETWEEN x AND y operator
- e. LIKE operator

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Question 6

Not yet
answered

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1.00

Flag
question

Consider the following set of relations

DOCTOR (doctor_id,doctor_name,dept_id,salary)
DEPARTMENT(dept_id,dept_name,block_no)

Find out the illegal queries which will produce an error:

Select one or more:

- a. select doctor_id,doctor_name from doctor where salary > 10000;
- b. select doctor_name from doctor where doctor_name like '_a%';
- c. SELECT dept_id, doctor_name, dept_name, salary from doctor d join department d1 on d.dept_id=d1.dept_id order by 1 asc;
- d. SELECT dept_id,doctor_name,COUNT(doctor_name)
FROM doctor group by dept_id order by dept_id desc;

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Question 2

Answer saved
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 Flag question

Consider the query below.

```
SELECT model_no "Model Number", COUNT(*) "Number of Bikes Available"  
FROM bikes  
WHERE model = 'Benelli'  
GROUP BY model_no  
HAVING COUNT(*) > 20  
ORDER BY COUNT(*);
```

In the above statement, identify the correct order in which the query gets executed.

Select one:

- a. FROM, WHERE, GROUP BY, HAVING, SELECT, ORDER BY
- b. FROM, WHERE, GROUP BY, HAVING, ORDER BY, SELECT
- c. FROM, WHERE, HAVING, GROUP BY, SELECT, ORDER BY
- d. SELECT, FROM, WHERE, GROUP BY, HAVING, ORDER BY

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Question 4
Answer saved
Marked out of 1.00
 Flag question

Set of values permitted for each attribute of a relation, is called as_____.

Select one:

- a. Set
- b. Range
- c. Integrity
- d. Domain

Quiz navigation

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6	7	8	9	10

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Question 8
Answer saved
Marked out of 1.00
 Flag question

Which of the following is not a character functions?

Select one:

a. MOD
 b. LOWER
 c. INITCAP
 d. SUBSTR

Quiz navigation

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6	7	8	9	10

Finish attempt ...
Time left 0:02:33

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Question 7

Answer saved
Marked out of 1.00
 Flag question

In sorting columns, Null values are displayed last for ascending order and first for descending order.

Quiz navigation

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Finish attempt ...
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Question 3
Answer saved
Marked out of 1.00
 Flag question

Consider the query: SELECT department_id, AVG(salary)FROM employees WHERE AVG(salary) > 8000 GROUP BY department_id;
There is an error:
ORA-00934: group function is not allowed here. What will be the correct reason for the error?

Select one:

a. You cannot use group functions in the SELECT clause.
 b. You cannot use group functions in the WHERE clause.
 c. All the options
 d. You cannot use group by clause without HAVING clause

Quiz navigation

1	2	3	4	5
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Question 6

Answer saved
Marked out of 1.00
 Flag question

Consider the following set of relations.
DOCTOR (doctor_id, doctor_name, dept_id, salary)
DEPARTMENT(dept_id, dept_name, block_no)
Select the correct SQL query to find all the doctors whose departments are located in 5th block and salary is greater than or equal to Rs.30,000.

Select one or more:

a. select doctor_name from doctor where salary >= 30000 and dept_id in (select dept_id from dept where block_no = 5);
 b. select doctor_name from doctor d1, dept d2 where d1.dept_id=d2.dept_id and block_no=5 and salary >=30000;
 c. select dept_id ,count(doctor_id) from doctor where salary >30,000 group by dept_id;
 d. None of the query is correct

Quiz navigation

1	2	3	4	5
6	7	8	9	10

Finish attempt ...
Time left 0:02:42

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Question 5
Answer saved
Marked out of 1.00
 Flag question

Which operator is NOT appropriate in the join condition of a non-equi join SELECT statement?

Select one:

- a. LIKE operator
- b. BETWEEN x AND y operator
- c. IN operator
- d. greater than or equal to operator
- e. equal operator

Quiz navigation

1	2	3	4	5
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Finish attempt ...
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Question 1

All DDL commands does _____ by default.

Select one:

- a. auto-rollback
- b. All of the options
- c. auto-grant
- d. auto-commit

Quiz navigation

1	2	3	4	5
6	7	8	9	10

Finish attempt ... Time left 0:03:05

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Question
7

Not yet
answered

Marked out of
1.00

Flag
question

Consider the query: SELECT employee_id, employee_name, salary * 12 'ANNUAL SALARY' FROM employees; There are few errors in this query. Identify them.

Select one:

- a. Multiplication operator is incorrect.
- b. All the options
- c. "AS" keyword is not used for column alias name.
- d. Usage of single quotes in Column alias name which contains space.

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Finish attempt ..

Time left 0:12:4

Quiz navigation



Finish attempt ...

Time left 0:11:49

Choose the correct query to display the details of employees who draw the top 5 highest salaries in the company.

Select one:

a.

SELECT DISTINCT SAL FROM EMP E WHERE 5 >= (SELECT COUNT(DISTINCT SAL) FROM EMP A WHERE A.SAL>=E.SAL) ORDER BY SAL DESC;

b.

SELECT DISTINCT SAL FROM EMP E WHERE 5 <= (SELECT COUNT(DISTINCT SAL) FROM EMP A WHERE A.SAL<=E.SAL) ORDER BY SAL DESC;

c.

SELECT DISTINCT SAL FROM EMP E WHERE 5 >= (SELECT COUNT(DISTINCT SAL) FROM EMP A WHERE A.SAL>=E.SAL) ORDER BY SAL;

d.

SELECT DISTINCT SAL FROM EMP E WHERE 5 >= (SELECT COUNT(DISTINCT SAL) FROM EMP A WHERE A.SAL<=E.SAL) ORDER BY SAL DESC;

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11:04 AM

**Question
4**Not yet
answeredMarked out of
1.00[Flag
question](#)

Set of values permitted for each attribute of a relation, is called as _____.

Select one:

- a. Integrity
- b. Range
- c. Set
- d. Domain

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MARVELS QUIZ MCQs1

Question 1

Incorrect
Mark 0 out of 1

Flag question

Question text

The employee table contains EmployeeNumber, EmployeeName, Salary and DeptCode Columns. Which is the CORRECT SQL query to display DeptCode and average salary of each department? Choose most appropriate option.

Select one:

- a. SELECT DeptCode,avg(salary) FROM Employee;
- b. SELECT DeptCode,avg(salary) FROM Employee GROUP BY DeptCode;
- c. SELECT DeptCode,avg(salary) FROM Employee GROUP BY Salary;
- d. SELECT DeptCode,avg(salary) FROM Employee GROUP BY EmployeeNumber;

Feedback

The correct answer is: SELECT DeptCode,avg(salary) FROM Employee GROUP BY DeptCode;

Question 2

Incorrect
Mark 0 out of 1

Flag question

Question text

Which of the following statement(s) is/are TRUE?

- (i) In a non-correlated(independent) subquery, the subquery is always executed only once.
- (ii) In a non-correlated(independent) subquery, the inner query (sub query) references the column from the outer query (main query).

Choose most appropriate option

Select one:

- a. Neither (i) nor (ii)
- b. Only (ii)
- c. Both (i) and (ii)
- d. Only (i)

Feedback

MARVELS QUIZ MCQs1

The correct answer is: Only (i)

Question 3

Incorrect

Mark 0 out of 1

Flag question

Question text

Which is the CORRECT SQL Query to display names of employees which has only 3 letters that starts with 'A' and ends with 'e'? Choose most appropriate option.

Select one:

- a. SELECT EmployeeName FROM Employee WHERE EmployeeName = 'A_e';
- b. SELECT EmployeeName FROM Employee WHERE EmployeeName LIKE 'A%e';
- c. SELECT EmployeeName FROM Employee WHERE EmployeeName LIKE 'A_e';
- d. SELECT EmployeeName FROM Employee WHERE EmployeeName LIKE '__e';

Feedback

The correct answer is: SELECT EmployeeName FROM Employee WHERE EmployeeName LIKE 'A_e';

Question 4

Correct

Mark 1 out of 1

Flag question

Question text

Identify the CORRECT SQL statement(s) to remove ONLY the data from "Employee" table?

- (i) DROP TABLE Employee;
- (ii) DELETE FROM Employee;
- (iii) TRUNCATE TABLE Employee;

Choose most appropriate option.

Select one:

- a. Both (i) and (iii)
- b. Both (ii) and (iii)
- c. (i), (ii) and (iii)
- d. Both (i) and (ii)

MARVELS QUIZ MCQs1

Feedback

The correct answer is: Both (ii) and (iii)

Question 5

Correct

Mark 1 out of 1

Flag question

Question text

Which of the following SQL commands is used to remove table "EMPLOYEE" present in the database? Choose most appropriate option.

Select one:

- a. DROP TABLE EMPLOYEE;
- b. REMOVE TABLE EMPLOYEE;
- c. TRUNCATE TABLE EMPLOYEE;
- d. DELETE TABLE EMPLOYEE;

Feedback

The correct answer is: DROP TABLE EMPLOYEE;

Question 6

Incorrect

Mark 0 out of 1

Flag question

Question text

Which of the following is CORRECT about DELETE command?

- a) It can delete single or multiple columns from a table
- b) It can delete single or multiple records from a table
- c) Records deleted can be roll backed.

Choose most appropriate option.

Select one:

- a. a only
- b. b and c
- c. a and c

MARVELS QUIZ MCQs1

- d. a and b

Feedback

The correct answer is: b and c

Question 7

Partially correct
Mark 1 out of 1

[Flag question](#)

Question text

Assume that table Project is created using the DDL statement given below and has no records.

`CREATE TABLE Project(projectId VARCHAR2(4) CONSTRAINT proj_pk PRIMARY KEY, projectName VARCHAR2(10) DEFAULT 'NA' CONSTRAINT proj_nn NOT NULL);`

Identify the INSERT statements which would successfully insert record into Project table. Choose two most appropriate options.

Select one or more:

- a. `INSERT INTO project(projectId,projectName) VALUES('P3', Null);`
- b. `INSERT INTO project(projectName,projectId) VALUES('NA','P4');`
- c. `INSERT INTO project VALUES('P1');`
- d. `INSERT INTO project(projectId) VALUES('P2');`

Feedback

The correct answers are: `INSERT INTO project(projectName,projectId) VALUES('NA','P4');`
`INSERT INTO project(projectId) VALUES('P2');`

Question 8

Incorrect
Mark 0 out of 1

[Flag question](#)

Question text

Assume that table Employee is created with foreign key column managerid referring to empid column of same table and the following records are inserted.

EMPID	EMPNAME	MANAGERID
-------	---------	-----------

MARVELS QUIZ MCQs1

1001	James	NULL
1002	Mark	1001
1003	Mary	1002
1004	Mark	1001

How many rows will be deleted after executing the below DML statement? DELETE FROM employee WHERE empid=1001; Choose most appropriate option.

Select one:

- a. Error: Integrated constraint violated. Child record found
- b. 3
- c. 1
- d. 2

Feedback

The correct answer is: Error: Integrated constraint violated. Child record found

Question 9

Correct

Mark 1 out of 1

Flag question

Question text

Consider the table Projects, has following records.

ProjectId Start_date

100 12-Jan-2017

Which of the following SQL statement retrieve the output as follows?

Start_date

JAN, 12-2017

Choose most appropriate option.

Select one:

- a. SELECT TO_CHAR(Start_date,'MMM, DD-YYYY') FROM Projects;
- b. SELECT TO_DATE(Start_date,'MON, DD-YYYY') FROM Projects;
- c. SELECT TO_CHAR(Start_date,'MON, DD-YYYY') FROM Projects;
- d. SELECT TO_DATE(Start_date,'MMM, DD-YYYY') FROM Projects;

Feedback

MARVELS QUIZ MCQs1

The correct answer is: SELECT TO_CHAR(Start_date,'MON, DD-YYYY') FROM Projects;

Question 10

Incorrect

Mark 0 out of 1

Flag question

Question text

Consider table Students(sid NUMBER(3),sname VARCHAR2(10),scontact NUMBER(10)) is already created in the database.

It is required to change the data type of the column "scontact" to VARCHAR2(15).

Which of the following is Correct for the above requirement?

Note: sid column is primary key. Choose most appropriate option.

Select one:

- a. It is not possible to change the data type of a column
- b. Data type can be changed only for primary key column
- c. To change the data type of a column, it is important to ensure that the corresponding column is not having data for any of the record
- d. There are no criteria to be followed. We can change the datatype of the column irrespective of the data

Feedback

The correct answer is: To change the data type of a column, it is important to ensure that the corresponding column is not having data for any of the record

Question 11

Correct

Mark 1 out of 1

Flag question

Question text

Which of the following can be created as a table level constraint?

- (i) primary Key
- (ii) foreign key
- (iii) unique

Choose most appropriate option.

MARVELS QUIZ MCQs1

Select one:

- a. (i) and (ii)
- b. (i) only
- c. (i) and (iii)
- d. (i), (ii) and (iii)

Feedback

The correct answer is: (i), (ii) and (iii)

Question 12

Incorrect

Mark 0 out of 1

[Flag question](#)

Question text

Which of the following statement(s) is/are TRUE?

- (i) In a correlated subquery, the subquery is always executed only once.
- (ii) In a correlated subquery, the inner query (sub query) references the column from the outer query (main query).

Choose most appropriate option.

Select one:

- a. Only (ii)
- b. Both (i) and (ii)
- c. Neither (i) nor (ii)
- d. Only (i)

Feedback

The correct answer is: Only (ii)

Question 13

Incorrect

Mark 0 out of 1

[Flag question](#)

Question text

Consider the following tables:

MARVELS QUIZ MCQs1

Vendor (VendorId, VendorName, PhoneNumber). Here VendorId is the primary key.
Item (ItemCode, UnitPrice, QuantityOnHand, VendorId) Here ItemCode is the primary key and VendorId is the foreign key referencing the VendorId in Vendor Table.

Which is the CORRECT SQL query to display ItemCode, UnitPrice, VendorName for all Items. It should also display the details of the Item which is not having any vendor?
Choose most appropriate option

Select one:

- a. SELECT Item.ItemCode,Item.UnitPrice,Vendor.VendorName FROM Item INNER JOIN Vendor ON Item.VendorId = Vendor.VendorId AND Item.VendorId IS NULL;
- b. SELECT Item.ItemCode,Item.UnitPrice,Vendor.VendorName FROM Item LEFT OUTER JOIN Vendor ON Item.VendorId = Vendor.VendorId;
- c. SELECT Item.ItemCode,Item.UnitPrice,Vendor.VendorName FROM Item INNER JOIN Vendor ON Item.VendorId = Vendor.VendorId;
- d. SELECT Item.ItemCode,Item.UnitPrice,Vendor.VendorName FROM Item, Vendor WHERE Item.VendorId = Vendor.VendorId;

Feedback

Your answer is incorrect.

The correct answer is: SELECT Item.ItemCode,Item.UnitPrice,Vendor.VendorName FROM Item LEFT OUTER JOIN Vendor ON Item.VendorId = Vendor.VendorId;

Question 14

Incorrect

Mark 0 out of 1

[Flag question](#)

Question text

Consider the tables given below.

Emp(empid, empname,salary,deptid)

Dept(deptid,deptname)

Note: deptid column of table Emp referring to deptid column of table Dept.

Identify the correct SQL statement to retrieve employees who are getting more than 25000 salary and working in "FINANCE" department.

Choose most appropriate option.

Select one:

- a. SELECT * FROM Emp WHERE deptid=(SELECT deptid FROM Dept WHERE deptname='FINANCE') AND salary>25000;
- b. SELECT * FROM Emp WHERE deptid=(SELECT * FROM Dept WHERE deptname='FINANCE' AND salary > 25000);
- c. SELECT * FROM Emp WHERE deptid=(SELECT deptid FROM Dept WHERE deptname='FINANCE' AND salary>25000);

MARVELS QUIZ MCQs1

- d. `SELECT * FROM Emp WHERE deptid=(SELECT * FROM Dept WHERE deptname='FINANCE') AND salary>25000;`

Feedback

Your answer is incorrect.

The correct answer is: `SELECT * FROM Emp WHERE deptid=(SELECT deptid FROM Dept WHERE deptname='FINANCE') AND salary>25000;`

Question 15

Correct

Mark 1 out of 1

Flag question

Question text

Consider the below tables.

`Event(eventId,eventName)` – eventId is primary key

`Employee(empld, empName, eventId)` – empld is primary key and eventId is foreign key referring to Event table.

Identify the correct SQL statement to retrieve empid, empname and eventName for all employees. If employee has not registered for an event then it should display 'Not Registered'.

Select one:

- a. `SELECT e1.empld, e1.empName, NVL(e2.eventName,'Not Registered') FROM event e2 INNER JOIN employee e1 ON e2.eventId=e1.eventId;`
- b. `SELECT e1.empld, e1.empName, NVL(e2.eventName,'Not Registered') FROM employee e1 RIGHT OUTER JOIN event e2 ON e1.eventId=e2.eventId;`
- c. `SELECT e1.empld, e1.empName, NVL(e2.eventName,'Not Registered') FROM event e2 LEFT OUTER JOIN employee e1 ON e2.eventId=e1.eventId;`
- d. `SELECT e1.empld, e1.empName, NVL(e2.eventName,'Not Registered') FROM employee e1 LEFT OUTER JOIN event e2 ON e1.eventId=e2.eventId;`

Feedback

Your answer is correct.

The correct answer is: `SELECT e1.empld, e1.empName, NVL(e2.eventName,'Not Registered') FROM employee e1 LEFT OUTER JOIN event e2 ON e1.eventId=e2.eventId;`

Question 16

Correct

Mark 1 out of 1

Flag question

MARVELS QUIZ MCQs1

Question text

What will be the output of the following Java code?

```
public class ApplicationTester
{
    public static void main(String[] args)
    {
        int i=0;
        for(i=0; i<10; i++)
        {
            if(i == 5)
            {
                continue;
            }
            i++;
            System.out.print(i + " ");
        }
    }
}
```

Choose the most appropriate option.

Select one:

- a. 1 2 3 4 and then program will get into infinite loop
- b. 1 3 5 7 9
- c. 1 2 3 4 6 7 8 9
- d. 1 2 3 4 5 6 7 8 9

Feedback

The correct answer is: 1 3 5 7 9

Question 17

Incorrect

Mark 0 out of 1

[Flag question](#)

Question text

Identify the appropriate relationship between the classes House and Room. Assume that getter and setter methods for all instance variables are implemented

```
class Room
{
    private int length;
    private float width;
}
class House
{
    private float area;
    private Room room;
    public House()
    {
```

MARVELS QUIZ MCQs1

```
    room=new Room();  
}  
}  
}
```

Choose the most appropriate option

Select one:

- a. No relationship exists between class House and class Room
- b. Specialization
- c. Aggregation
- d. Composition

Feedback

The correct answer is: Composition

Question 18

Incorrect

Mark 0 out of 1

Flag question

Question text

What will be the output of the following Java code?

```
public class ApplicationTester  
{  
    public static void main(String[] args)  
    {  
        int i;  
        for(i = 1; i <=3; i++)  
        {  
            System.out.println(i);  
        }  
        System.out.println(i);  
    }  
}
```

Choose the most appropriate option.

Select one:

- a. 1 to 4 will be displayed on the console
- b. 1 to 3 will be displayed on the console
- c. 4 will be displayed twice on the console
- d. 3 will be displayed twice on the console

Feedback

The correct answer is: 4 will be displayed twice on the console

MARVELS QUIZ MCQs1

Question 19

Correct
Mark 1 out of 1

Flag question

Question text

What will be the output of the following Java code?

```
public class Rectangle
{
    private int length;
    private int width;
    public static void main(String[] args)
    {
        Rectangle rectangle1 = new Rectangle();
        rectangle1.length=10;
        rectangle1.width=5;
        Rectangle rectangle2 = rectangle1;
        System.out.println("Length : "+rectangle2.length);
        System.out.println("Width : "+rectangle2.width);
    }
}
```

Choose the most appropriate option.

Select one:

- a. Length: 5 Width: 10
- b. Length : 10 Width : 5
- c. Length : 0 Width : 0
- d. Length : null Width : null

Feedback

The correct answer is: Length : 10 Width : 5

Question 20

Correct
Mark 1 out of 1

Flag question

Question text

Consider the Java code given below. How many times ";Hello "; will be printed when the code is executed?

```
public class ApplicationTester
```

MARVELS QUIZ MCQs1

```
{  
    public static void main(String[] args)  
    {  
        int i = 0;  
        do  
        {  
            System.out.println("Hello");  
            i++;  
        } while(i <= 1);  
    }  
}
```

Choose the most appropriate option.

Select one:

- a. 2 times
- b. Nothing will be printed
- c. 1 time
- d. 3 times

Feedback

The correct answer is: 2 times

Question 21

Incorrect

Mark 0 out of 1

Flag question

Question text

What will be the output of the following Java code?

```
class StringSample  
{  
    public StringSample(String string)  
    {  
        System.out.println("The string is " + string);  
    }  
}  
public class ConstructorTester1  
{  
    public static void main(String[] args)  
    {  
        StringSample stringSample = new StringSample();  
        StringSample stringSample1 = new StringSample("Test String");  
    }  
}
```

Choose the most appropriate option.

Select one:

- a. The string is null

MARVELS QUIZ MCQs1

- b. The string is Test String
- c. Compilation Error: The constructor StringSample() is undefined
- d. The string is null The string is Test String

Feedback

The correct answer is: Compilation Error: The constructor StringSample() is undefined

Question 22

Incorrect

Mark 0 out of 1

Flag question

Question text

which of the following represents correct order from the most to least restrictive? Choose most appropriate option.

Select one:

- a. protected,private,default,public
- b. private,default,protected,public
- c. public,protected,default,private
- d. private,protected,default,public

Feedback

The correct answer is: private,default,protected,public

Question 23

Correct

Mark 1 out of 1

Flag question

Question text

What will be the output of the following Java code?

```
public class StringTester
{
    public static void main(String[] args)
    {
        String s1=new String("Accenture");
        String s2=new String("India Limited");
        s1.concat(s2);
        System.out.println(s1);
```

MARVELS QUIZ MCQs1

```
}
```

Choose the most appropriate option.

Select one:

- a. Accenture India
- b. Accenture
- c. India Limited
- d. Accenture India Limited

Feedback

The correct answer is: Accenture

Question 24

Incorrect

Mark 0 out of 1

[Flag question](#)

Question text

```
class Test
{
static
{
    System.out.println("A");
}
}
public class Demo
{
static
{
    System.out.println("B");
}
public static void main(String[] args)
{
    Test t=new Test();
}
static
{
    System.out.println("D");
}
}
```

Choose the most appropriate option.

Select one:

- a. A B D
- b. B D A
- c. B A D

MARVELS QUIZ MCQs1

d. A D B

Feedback

The correct answer is: B D A

Question 25

Incorrect

Mark 0 out of 1

[Flag question](#)

Question text

What is the output of the below code?

```
public class Calculator
{
    public static void main(String[] args)
    {
        int result = 0;
        Calculator calculator = new Calculator();
        calculator.add(10, 20, result);
        System.out.println("Result : " + result);
    }
    public void add(int num1, int num2, int result)
    {
        result = num1 + num2;
    }
}
```

Choose the most appropriate option.

Select one:

- a. Result : 30
- b. Result: 20
- c. Result : 0
- d. Result : null

Feedback

The correct answer is: Result : 0

Question 26

Incorrect

Mark 0 out of 1

[Flag question](#)

MARVELS QUIZ MCQs1

Question text

Observe the below code,

```
public class MyClass
{
    public int display(int num1, float num2)
    {
        return 0;
    }
    public double display(String name, int salary)
    {
        return 0.0;
    }
//Line 1
}
```

Which of the below function can be inserted at line 1 so that the code compiles successfully.

Select one:

- a. public void display(int num1, String num2){ }
- b. public double display(String empName, int empld){ return 0.0; }
- c. public String display(String name, int salary){ return success; }
- d. public float display(int num1, float num2){ return 0.0f; }

Feedback

The correct answer is: public void display(int num1, String num2){ }

Question 27

Correct

Mark 1 out of 1

Flag question

Question text

What will be the output of the following code:

```
public class Test
{
    public static void main(String[] args)
    {
        int number=20;
        switch(number)
        {
            case 10: System.out.println("10");
            break;
            case 20: System.out.println("20");
            case 30: System.out.println("30");
            break;
            default: System.out.println("Not in 10, 20 or 30");
        }
    }
}
```

MARVELS QUIZ MCQs1

Choose most appropriate option.

Select one:

- a. invalid switch statement
- b. 20 30
- c. 30
- d. 20

Feedback

The correct answer is: 20 30

Question 28

Correct

Mark 1 out of 1

[Flag question](#)

Question text

What will be the output of the following Java code?

```
public class Employee
{
    private String mailId;
    public void setEmailId(String mailId)
    {
        this.mailId = mailId;
    }
    public String getEmailId()
    {
        return this.mailId;
    }
}
public class UtilityClass
{
    public static void updateEmailId(Employee emp)
    {
        emp.setEmailId("xyz@accenture.com");
    }
}
public class ApplicationTester { public static void main(String[] args)
{
    Employee employee1 = new Employee();
    employee1.setEmailId("abc@gmail.com");
    UtilityClass.updateEmailId(employee1);
    //Line-1
    System.out.println(employee1.getEmailId());
}
}
```

Choose the most appropriate option.

Select one:

MARVELS QUIZ MCQs1

- a. null
- b. xyz@accenture.com
- c. abc@gmail.com
- d. Compilation error at Line-1: Invalid method call 'UtilityClass.updateEmailId(String) '

Feedback

The correct answer is: xyz@accenture.com

Question 29

Incorrect

Mark 0 out of 1

Flag question

Question text

What will be the output of the following Java code?

```
public class MyClass
{
    private static int data;
    static
    {
        MyClass.data = 999;
    }
    public static int getData()
    {
        return data;
    }
    public static void setData(int data)
    {
        MyClass.data = data;
    }
}
public class ApplicationTester
{
    public static void main(String[] args)
    {
        MyClass ref1 = new MyClass();
        MyClass ref2 = new MyClass();
        System.out.print(ref1.getData());
        ref2.setData(111);
        System.out.println(" " + ref1.getData());
    }
}
```

Choose the most appropriate option.

Select one:

- a. 0 111
- b. 999 999
- c. 999 111

MARVELS QUIZ MCQs1



d. 111 111

Feedback

The correct answer is: 999 111

Question 30

Incorrect

Mark 0 out of 1

[Flag question](#)

Question text

What will be the output of the following Java code?

```
public class ApplicationTester
{
    public static void main(String[] args)
    {
        int[] array = {11,22,33,44,55,11};
        int searchNumber = 11, position=999;
        for(int index=0; index < array.length; index++)
        {
            if(searchNumber == array[index])
            {
                position = index;
            }
            System.out.println(position);
        }
    }
}
```

Choose the most appropriate option.

Select one:

- a. 0
- b. 1
- c. 5
- d. 6

Feedback

The correct answer is: 5

Question 31

Incorrect

Mark 0 out of 1

[Flag question](#)

MARVELS QUIZ MCQs1

Question text

What will be the output of the following Java code?

```
public class BaseClass
{
    public static void method()
    {
        System.out.println("1");
    }
}
public class DerivedClass extends BaseClass
{
    public static void method()
    {
        System.out.println("2");
    }
}
public class ApplicationTester
{
    public static void main(String[] args)
    {
        BaseClass ref = new DerivedClass();
        ref.method();
        //Line-1
    }
}
```

Choose the most appropriate option.

Select one:

- a. 1
- b. Program will display both 1 and 2
- c. 2
- d. Compilation error at Line-1: Ambiguous method call 'ref.method()'

Feedback

The correct answer is: 1

Question 32

Incorrect
Mark 0 out of 1

Flag question

Question text

What will be the output of the following Java code?

```
public class LocalVariableTester
{
    public static void main(String[] args)
    {
        int data1=8, data2;
```

MARVELS QUIZ MCQs1

```
if(data1 >= 10)
{
    data2 = 20;
}
System.out.println(data1 + " " + data2);
}
```

Choose the most appropriate option

Select one:

- a. 10 null
- b. 10 0
- c. Compilation error: The local variable 'data2' may not have been initialized
- d. 10 20

Feedback

The correct answer is: Compilation error: The local variable 'data2' may not have been initialized

Question 33

Correct

Mark 1 out of 1

Flag question

Question text

What will be the output of the following Java code?

```
class Test extends Throwable { }
class Base extends Test {}
public class Main {
    public static void main(String args[]) {
        try {
            throw new Base();
        }
        catch(Test t) {
            System.out.println("Test Exception");
        }
        finally {
            System.out.println("Finally block ");
        }
    }
}
```

Select one:

- a. Compilation error: Test Class can't extend Throwable
- b. print - "Test Exception"
- c. print - "Test Exception" "Finally block "
- d. Compilation error : Bass calss can't extends Test

MARVELS QUIZ MCQs1

Feedback

The correct answer is: print - "Test Exception" "Finally block "

Question 34

Incorrect

Mark 0 out of 1

Flag question

Question text

What is the output of the following code?

```
class Account
{
    int balance;
    public void createAccount()
    {
        balance = 1000;
    }
    public int getMinimumBalance()
    {
        return balance;
    }
}
class SalaryAccount extends Account
{
private String companyName;
public SalaryAccount(String companyName)
{
this.companyName = companyName;
}
public void createAccount()
{
balance = 500;
}
public void checkCompany()
{
if (companyName.equalsIgnoreCase("Accenture"))
{
balance = 0;
}
}
}
public class MainClass
{
    public static void main(String[] args)
    {
        Account account = new SalaryAccount("Accenture");
        account.createAccount();
        System.out.println("Balance : " + account.getMinimumBalance());
        account.checkCompany();
        System.out.println("Balance : " + account.getMinimumBalance());
    }
}
```

Choose the most appropriate option.

MARVELS QUIZ MCQs1

Select one:

- a. Balance: 500 Balance: 0
- b. Balance: 1000 Balance: 0
- c. Compilation Error: The method checkCompany() is undefined for the type Account
- d. Balance: 1000 Balance: 500

Feedback

The correct answer is: Compilation Error: The method checkCompany() is undefined for the type Account

Question 35

Correct

Mark 1 out of 1

[Flag question](#)

Question text

What will be the output of the following Java code?

```
Employee.java public class Employee
{
    private double salary;
    public Employee()
    {
        this.salary = 10000.0;
    }
    public static void updateSalary(Employee emp)
    {
        emp.salary = emp.salary + 10000.0;
        //Line-1
    }
    public double getSalary()
    {
        return this.salary;
    }
}
ApplicationTester .java public class ApplicationTester
{
    public static void main(String[] args)
    {
        Employee emp1 = new Employee();
        Employee emp2 = new Employee();
        Employee.updateSalary(emp1);
        System.out.println(emp1.getSalary() + " " + emp2.getSalary());
    }
}
```

Choose the most appropriate option.

Select one:

- a. Compilation error at Line-1: Cannot 'emp.salary' in a static context
- b. 20000.0 10000.0

MARVELS QUIZ MCQs1

- c. 10000.0 10000.0
- d. 0.0 10000.0

Feedback

The correct answer is: 20000.0 10000.0

Question 36

Correct
Mark 1 out of 1

Flag question

Question text

What will be the output of the following Java code?

```
public class ApplicationTester
{
    public static void main(String[] args)
    {
        int[] array = {-9,-11-8,-100,-78};
        int minimum = 0;
        for(int index=0; index < array.length; index++)
        {
            if(minimum < array[index])
            { minimum = array[index];
            }
        }
        System.out.println(minimum);
    }
}
```

Choose the most appropriate option.

Select one:

- a. -8
- b. 0
- c. null
- d. -100

Feedback

The correct answer is: 0

Question 37

Correct
Mark 1 out of 1

MARVELS QUIZ MCQs1

Flag question

Question text

Refer the incomplete code given below.

```
<style>
  #firstname {
    background-color: yellow;
    color:red;
  }
</style>
<input type=text <strong>__Blank1__</strong>='firstname'>
```

Choose the CORRECT attribute which if replaces '__Blank1__' will apply the CSS to text box.

Choose most appropriate option.

Select one:

- a. id
- b. style
- c. styleclass
- d. class

Feedback

Your answer is correct.

The correct answer is: id

Question 38

Incorrect

Mark 0 out of 1

Flag question

Question text

which of the following code creates a list box from which user can select more than one option?

Select one:

- a. <select type=multiple>
<option> P </option>
<option> G </option>

MARVELS QUIZ MCQs1

- <option> S </option>

</select>
- b. <select name='type' multiValue>

<option> P </option>

<option> G </option>

<option> S </option>

</select>
- c. <select type=multiValue>

<option> P </option>

<option> G </option>

<option> S </option>

</select>
- d. <select name='type' multiple>

<option> P </option>

<option> G </option>

<option> S </option>

</select>

Feedback

Your answer is incorrect.

The correct answer is: <select name='type' multiple>

<option> P </option>

<option> G </option>

<option> S </option>

</select>

Question 39

Correct

Mark 1 out of 1

[Flag question](#)

Question text

which of the following is block level html tags?

Select one:

- a.
- b. <a>
- c. <h6>
- d. <i>

Feedback

Your answer is correct.

The correct answer is: <h6>

MARVELS QUIZ MCQs1

Question 40

Correct

Mark 1 out of 1

Flag question

Question text

Johana wants to display "Welcome to JS!!" as a pop up message using JavaScript. Which of the following suits her requirement?

Select one:

- a. alert(Welcome to JS!!);
- b. alertmsg("Welcome to JS!!");
- c. alert("Welcome to JS!!");
- d. alertBox("Welcome to JS!!");

Feedback

The correct answer is: alert("Welcome to JS!!");

Question 41

Incorrect

Mark 0 out of 1

Flag question

Question text

Identify the CORRECT HTML code to define the state of the hyperlink. The requirement is to display the hyperlink "Click" in RED color if user has already visited "https://portal.accenture.com". Choose most appropriate option.

Select one:

- a. <html>
<body vlink="red" >
Click
</body>
</html>
- b. <html>
<body link="red" >
 Click
</body>
</html>

MARVELS QUIZ MCQs1

- c. <html>
<body>
 Click
</body>
</html>
- d. <html>
<body>
 Click
</body>
</html>

Feedback

The correct answer is: <html>
<body vlink="red" >
Click
</body>
</html>

Question 42

Incorrect
Mark 0 out of 1

[Flag question](#)

Question text

```
<!DOCTYPE html>
<html>
<body>
<script>
var x = (3 + 3) + 4 + "6"; alert(x); //line 1
</script>
</body>
</html>
```

What will be printed in alert box in line 1? Choose most appropriate option.

Select one:

- a. 16
 b. 106
 c. 3346
 d. 646

Feedback

The correct answer is: 106

Question 43

Correct
Mark 1 out of 1

MARVELS QUIZ MCQs1

Flag question

Question text

Refer the incomplete HTML Code given below

```
<table border="2" _____ =10>
<tr> <th>Employee Name</th>
<th>Department</th> </tr>
<tr> <td>Jack</td>
<td>LKM</td> </tr>
<tr> <td>Ace</td><td>Delivery</td> </tr>
</table>
```

Identify the appropriate option to be placed in the spaceso that for each cell, there will be a space between the cell border and its respective content Choose most appropriate option.

Select one:

- a. cellpadding
- b. colspan
- c. cellspacing
- d. colspace

Feedback

The correct answer is: cellpadding

Question 44

Correct

Mark 1 out of 1

Flag question

Question text

What would be the Output of the below java script Code?

```
<html> <body>
<script>
  var x = 5; var d = (x != "5");
document.write(d + "--");
d = (x === "5"); document.write(d);
</script> </body>
</html>
```

Choose most appropriate option.

Select one:

- a. true--false

MARVELS QUIZ MCQs1

- b. false--false
- c. true--true
- d. false--true

Feedback

The correct answer is: false--false

Question 45

Incorrect

Mark 0 out of 1

Flag question

Question text

Refer the code below:

```
<table border="2">
<tr> <th colspan="3"> Employee Details</th></tr>
<tr> <th>Employee Name</th> <th>Department</th> </tr>
<tr> <td>Jack</td> <td>LKM</td> </tr>
<tr> <td>Ace</td><td rowspan="2">Delivery</td> </tr>
<tr> <td>Justin</td> </tr>
</table>
```

How many cells will be displayed when the page is displayed on the browser? Choose most appropriate option.

Select one:

- a. 8
- b. 10
- c. 7
- d. 9

Feedback

The correct answer is: 8

Question 46

Correct

Mark 1 out of 1

Flag question

Question text

MARVELS QUIZ MCQs1

In HTML, Which of the following is used to merge columns in a table? Choose most appropriate option.

Select one:

- a. colspan
- b. columns-span
- c. cspan
- d. columnspan

Feedback

The correct answer is: colspan

Question 47

Incorrect

Mark 0 out of 1

[Flag question](#)

Question text

What would be the color of the text "Bengaluru" and "India" while executing the below html and css code? Assume that "Black" is the default color if there is no style applied.

```
<html>
  <head>
    <style>
      p{ color:red; } .c1{ color:green; }
    </style>
  </head>
  <body>
    <p> Bengaluru </p> <p class="c1"> India </p>
  </body>
</html>
```

Choose most appropriate option.

Select one:

- a. Bengaluru - Red,India - Red
- b. Bengaluru - Red,India - Black
- c. Bengaluru - Red,India - Green
- d. Bengaluru - Black,India - Black

Feedback

The correct answer is: Bengaluru - Red,India - Green

Question 48

Correct

Mark 1 out of 1

MARVELS QUIZ MCQs1

Flag question

Question text

What would be the output of the Javascript code given below?

```
<html>
<body>
<script>
var num1=100;
function test(){
    num2=200;
    var num1=300;
    num1=num2;
}
test();
document.write(num1 + "-" + num2);
</script>
</body>
</html>
```

Select one:

- a. 300-200
- b. 300-100
- c. 100-200
- d. 200-200

Feedback

Your answer is correct.

The correct answer is: 100-200

Question 49

Incorrect
Mark 0 out of 1

Flag question

MARVELS QUIZ MCQs1

Question text

How many cells will be created after executing the below HTML code?

```
<html>
<body>
<table border="1">
<tr> <td colspan="3"> Jack </td> </tr>
<tr> <td colspan="2"> Tom </td> <td> Mark </td> </tr>
<tr> <td rowspan="2"> John</td> <td> James</td> <td> Mary</td> </tr>
<tr> <td> Helen</td> <td> Sam </td> </tr>
</table>
</body>
</html>
```

Select one:

- a. 10
- b. 8
- c. 9
- d. 7

Feedback

Your answer is incorrect.

The correct answer is: 8

Question 50

Incorrect

Mark 0 out of 1

[Flag question](#)

Question text

Consider the HTML code given below.

```
<html>
<head>
<script>
var key=10;
function add(){
```

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```
var key=20;  
window.key=key+1;  
document.write(key);  
document.write(" ");  
print();  
}  
function print(){  
    document.write(key);  
}  
</script>  
</head>  
<body>  
<form>  
    <input type="submit" onclick="add()" />  
</form>  
</body>  
</html>
```

What will be displayed after executing the above code?

Choose the most appropriate option.

Select one:

- a. 11 11
- b. 11 10
- c. 20 21
- d. 21 21

Feedback

Your answer is incorrect.

The correct answer is: 20 21

MARVELS QUIZ MCQS2

Question 1

Incorrect
Mark 0.00 out of 1.00

Flag question

Question text

A class Student and its subclass Hostler both have a method payFees() as part of their class definition. What will the following code do?

```
Hostler h = new Hostler();  
h.payFees();
```

Select one:

- a. The payFees() method defined in Hostler will be called.
- b. The payFees() method defined in Student will be called.
- c. Overloading will be used to pick which payFees() is called.
- d. The compiler will complain that payFees() has been defined twice.

Feedback

The correct answer is: The payFees() method defined in Hostler will be called.

Question 2

Correct
Mark 1.00 out of 1.00

Flag question

Question text

Method Overriding shows static polymorphism.

Select one:

- True
- False

Feedback

The correct answer is 'False'.

Question 3

Incorrect

MARVELS QUIZ MCQS2

Mark 0.00 out of 1.00

Flag question

Question text

Nullpointer Exception and Logical Exception are not Exceptions in Java.

Select one:

- True
- False

Feedback

The correct answer is 'True'.

Question 4

Incorrect

Mark 0.00 out of 1.00

Flag question

Question text

Predict the output:

```
public class Topper
{
    public static void check() {
        this.display();
    }
    public static void display() {
        System.out.println("Welcome to Java");
    }
    public static void main(String args []) {
        check();
    }
}
```

Select one:

- a. Welcome to Java
- b. An exception is raised stating that the variable this can only be used within an instance
- c. Runtime error
- d. Compile time error

Feedback

MARVELS QUIZ MCQS2

The correct answer is: Compile time error

Question 5

Correct

Mark 1.00 out of 1.00

Flag question

Question text

What is the correct way for a method to indicate that it expects the caller to handle an Exception? Assuming that the method contains code which may raise an Exception (but not a RuntimeException).

Select one:

- a. throws Exception
- b. new Exception
- c. Don't need to specify anything
- d. throw Exception

Feedback

The correct answer is: throws Exception

Question 6

Correct

Mark 1.00 out of 1.00

Flag question

Question text

What will happen if you attempt to compile and run the following code?

```
Integer i=new Integer(15);
Long l=new Long (10);
System.out.println(i + 1);
int check=1;
System.out.println(check + i);
```

Select one:

- a. 25
16
- b. 15
16

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- c. 25
- 26
- d. Error: Can't convert java.lang.Integer

Feedback

The correct answer is: 25
16

Question 7

Correct
Mark 1.00 out of 1.00

Flag question

Question text

Predict the output:

```
int arr[];  
int i = 0;  
arr = new int[5];  
while (i < 5)  
{  
    arr[i] = 10;  
    i = i + 1;  
}  
System.out.println(arr[4]);
```

Select one:

- a. unknown
- b. 3
- c. 0
- d. 10

Feedback

The correct answer is: 10

Question 8

Incorrect
Mark 0.00 out of 1.00

Flag question

Question text

MARVELS QUIZ MCQS2

```
String str= new String("Hello World");  
  
Which of the following calls are valid?  
(A) str.trim()  
(B) str.replace('o', 'A')  
(C) str.substring(3)  
(D) str.toUpperCase()  
(E) str.setCharAt(1,'A')  
(F) str.append("xyz")
```

Select one:

- a. (A), (B), (C) & (D)
- b. (A), (B) & (C)
- c. (A), (C), (D) & (E)
- d. (C), (D) & (E)
- e. (D) & (E)

Feedback

The correct answer is: (A), (B) & (C)

Question 9

Correct

Mark 1.00 out of 1.00

Flag question

Question text

Predict the output:

```
interface X  
{  
    void display();  
}  
interface Y extends X  
{  
    void print();  
}  
  
class Employee implements Y  
{  
    public void display() {  
        System.out.print("John ");  
    }  
    public void print() {  
        System.out.print("Mathew");  
    }  
}  
  
public class TestMain {  
  
    public static void main(String[] args) {
```

MARVELS QUIZ MCQS2

```
Employee e = new Employee();
e.display();
e.print();
}
}
```

Select one:

- a. John Mathew
- b. John
- c. Complie Time Error
- d. Mathew

Feedback

The correct answer is: John Mathew

Question 10

Correct

Mark 1.00 out of 1.00

Flag question

Question text

How do we change the state of an object ?

Select one:

- a. Using object's property
- b. Using Object's default methods
- c. Using object's behavior
- d. Using class name

Feedback

The correct answer is: Using object's behavior

Question 11

Correct

Mark 1.00 out of 1.00

Flag question

Question text

MARVELS QUIZ MCQS2

What is the term used to define the values that are common across all instances of a class ?

Select one:

- a. Attribute
- b. Interface
- c. Property
- d. Static

Feedback

The correct answer is: Static

Question 12

Correct

Mark 1.00 out of 1.00

Flag question

Question text

Select the principle that best describes the given scenario. The airline ticket booking clerk manages the available seats, dates, passenger information, etc while the mechanic maintains information like flight performance, fuel consumption, service intervals, etc

Select one:

- a. Encapsulation
- b. Polymorphism
- c. Abstraction
- d. Typing

Feedback

The correct answer is: Abstraction

Question 13

Incorrect

Mark 0.00 out of 1.00

Flag question

Question text

Select the true statements about Use Case diagram ?

Select one or more:

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- a. Captures dynamic aspects of the system
- b. Captures attributes and methods
- c. Depicts the boundary of the system
- d. Captures users of the system

Feedback

The correct answers are: Depicts the boundary of the system, Captures users of the system, Captures dynamic aspects of the system

Question 14

Incorrect

Mark 0.00 out of 1.00

[Flag question](#)

Question text

Select the benefits of OOP ?

Select one or more:

- a. Ease of design
- b. Testing
- c. code deployment
- d. Resuability

Feedback

The correct answers are: Ease of design, Resuability

Question 15

Incorrect

Mark 0.00 out of 1.00

[Flag question](#)

Question text

Select the multiplicity between passenger and train reservation ticket? What is the multiplicity of passenger ?

Select one:

- a. 1..*
- b. 1

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- c. 0..*
- d. 0..1

Feedback

The correct answer is: 1

Question 16

Incorrect
Mark 0.00 out of 1.00

Flag question

Question text

The properties of good program must have_____

Select one:

- a. Modules tightly connected
- b. Fault Prevention and fault tolerance
- c. Poor Design for change
- d. Component dependence

Feedback

Your answer is incorrect.

The correct answer is:
Fault Prevention and fault tolerance

Question 17

Correct
Mark 1.00 out of 1.00

Flag question

Question text

A program is said to be_____, if it optimizes the amount of memory and processing time.

Select one:

- a. robust
- b. modular

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- c. efficient
- d. documented

Feedback

The correct answer is: efficient

Question 18

Correct
Mark 1.00 out of 1.00

Flag question

Question text

Steve is learning to draw a flowchart to calculate the volume of a cuboid. Which of the options given below would fit into the process section of the flow chart?

Select one:

- a. Volume= $l*b*h$
- b. display the volume of the cuboid
- c. Read the value of l,b,h (l represents the length, b represents the breadth, h represents the height)
- d. check if l,b,h have positive value

Feedback

Your answer is correct.

The correct answer is: Volume= $l*b*h$

Question 19

Correct
Mark 1.00 out of 1.00

Flag question

Question text

Carefully read the question and answer accordingly. Which data structure is said to be linear data structure?

Select one:

- a. Graphs
- b. Arrays

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- c. None of the listed options
- d. Tree

Feedback

The correct answer is: Arrays

Question 20

Correct
Mark 1.00 out of 1.00

Flag question

Question text

Carefully read the question and answer accordingly. What operation is processed for each element in the list

Select one:

- a. Sorting
- b. Traversal
- c. Merging
- d. Inserting

Feedback

The correct answer is: Traversal

Question 21

Correct
Mark 1.00 out of 1.00

Flag question

Question text

Which algorithm is the best sorting method in-place with no quadratic worst-case scenarios?

Select one:

- a. Bubble Sort
- b. Heap Sort
- c. Quick Sort
- d. Selection Sort

Feedback

MARVELS QUIZ MCQS2

The correct answer is: Heap Sort

Question 22

Correct

Mark 1.00 out of 1.00

Flag question

Question text

What is the time complexity of below function?

```
void cal_fun(int m,int a[])
{
int i=0,j=0;
for(;i<m;++)
    while(j<m && a[i] < a[j])
        j++;
<="" a[j])="" j++;="" }="" pre="" style="box-sizing: border-box;">>
}
```

Select one:

- a. O(n^2)
- b. O(1)
- c. O($n \log n$)
- d. O(n)

Feedback

The correct answer is: O(n)

Question 23

Incorrect

Mark 0.00 out of 1.00

Flag question

Question text

Carefully read the question and answer accordingly. Which of the following options are correct?

Select one or more:

- a. A tree which does not have any node other than root node has depth of zero.

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- b. None of the options.
- c. A tree which does not have any node other than root node is called a null tree
- d. A tree with n nodes has exactly n branches or degree.

Feedback

The correct answers are: A tree which does not have any node other than root node is called a null tree, A tree which does not have any node other than root node has depth of zero.

Question 24

Incorrect

Mark 0.00 out of 1.00

Flag question

Question text

State true or false.

Configuration management is important only during the coding phase

Select one:

- True
- False

Feedback

The correct answer is 'False'.

Question 25

Incorrect

Mark 0.00 out of 1.00

Flag question

Question text

Choose the correct option where waterfall model is not suited.

Select one:

- a. Complex Projects (that has more number of functionalities)
- b. Projects with stable requirements
- c. Simple Projects (that has less number of functionalities)
- d. Projects with frequent changes

Feedback

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The correct answer is: Projects with frequent changes

Question 26

Incorrect

Mark 0.00 out of 1.00

Flag question

Question text

Go-Will department store wants to automate few of its functionalities. From the below options identify the functional requirements of Go-Will department store

Select one or more:

- a. Response for each button click should be within 3 seconds
- b. System should be up and running 24/7
- c. Generate Bill for the purchased Items
- d. Add Product Details

Feedback

The correct answers are: Generate Bill for the purchased Items, Add Product Details

Question 27

Incorrect

Mark 0.00 out of 1.00

Flag question

Question text

A website for Flight Booking was developed and given to the testing team for testing. It has various fields to enter the data, out of which one of the input field will take the birth year from the user ranging from 1980 to 2060. The boundary values for testing this field are?

Select one:

- a. 1979,2030,1980,2060,2061
- b. 1959, 1960, 1994, 1995
- c. 0,2000,2050,2020,1981
- d. 1979,1980,2060,2061
- e. 0, 1959, 1960, 1961, 1994, 1995, 1996

Feedback

The correct answer is: 1979,1980,2060,2061

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Question 28

Correct

Mark 1.00 out of 1.00

Flag question

Question text

State true or false. Black box testers can proceed with generating the test cases immediately after the SRS is freezed in the analysis phase

Select one:

- True
- False

Feedback

The correct answer is 'True'.

Question 29

Incorrect

Mark 0.00 out of 1.00

Flag question

Question text

Predict the output of the below SQL Statement

```
SELECT branch_name, COUNT(DISTINCT customer_name) FROM Account GROUP BY  
branch_id;
```

Select one:

- a. The query is syntactically wrong
- b. The query contains one or more wrongly named clauses.
- c. The query produces correct answer
- d. The query produces wrong answer

Feedback

The correct answer is: The query is syntactically wrong

Question 30

Correct

Mark 1.00 out of 1.00

MARVELS QUIZ MCQS2

Flag question

Question text

The EMPLOYEE table has following structure

EMPID NUMBER (5), ENAME VARCHAR2 (50), DEPT VARCHAR2 (15)

Which of the below options would display all employee name from employee table who are working in the same department as “Rajesh Ahuja”.

Select one:

- a. Select EName from employee where dept = (Select dept from employee where Ename = 'Rajesh Ahuja');
- b. Select * from employee where dept = (Select * from employee where Ename = 'Rajesh Ahuja');
- c. Select * from employee where dept = (Select dept from employee where Ename = 'Rajesh Ahuja');
- d. Select EName from employee where dept = (Select * from employee where Ename = 'Rajesh Ahuja');

Feedback

The correct answer is: Select EName from employee where dept = (Select dept from employee where Ename = 'Rajesh Ahuja');

Question 31

Incorrect

Mark 0.00 out of 1.00

Flag question

Question text

In SQL, which command is used to add new rows to a table?

Select one:

- a. Append
- b. Insert
- c. Add row
- d. Alter Table

Feedback

The correct answer is: Insert

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Question 32

Incorrect
Mark 0.00 out of 1.00

Flag question

Question text

The following SQL statement exhibits which type of join?

```
Select customer.customer_id, customer_name, order_id from customer, order where customer.Customer_id = order. Customer_id;
```

Select one:

- a. Natural join
- b. Outer join
- c. Cartesian join
- d. Equi-join

Feedback

The correct answer is: Equi-join

Question 33

Incorrect
Mark 0.00 out of 1.00

Flag question

Question text

What options can be avoided by storing data in centralized repository?

Select one or more:

- a. Increase data duplication
- b. Replication of data in multiple files
- c. Reduce data redundancy
- d. Storing data in multiple files

Feedback

The correct answers are: Reduce data redundancy, Storing data in multiple files

Question 34

Correct

MARVELS QUIZ MCQS2

Mark 1.00 out of 1.00

Flag question

Question text

In order to grant 'SELECT' on Employee table to User1, which one of following statement is correct?

Select one:

- a. Grant select from Employee to User1;
- b. Grant select to Employee on User1;
- c. Grant select on Employee to User1;
- d. Grant select to Employee to User1;

Feedback

The correct answer is: Grant select on Employee to User1;

Question 35

Correct

Mark 1.00 out of 1.00

Flag question

Question text

Which of the following should be used to print lines containing 'manager' in emp.lst?

Select one:

- a. awk 'manager { print }' emp.lst
- b. awk '/manager { print }' emp.lst
- c. awk '/manager/ { print }' emp.lst
- d. awk '/manager/ { print }' emp.lst

Feedback

The correct answer is: awk '/manager/ { print }' emp.lst

Question 36

Incorrect

Mark 0.00 out of 1.00

MARVELS QUIZ MCQS2

Flag question

Question text

Which command in UNIX displays the list of all the users who have logged into the Unix server?

Select one:

- a. Who am i
- b. List users
- c. users
- d. Who

Feedback

The correct answer is: Who

Question 37

Correct

Mark 1.00 out of 1.00

Flag question

Question text

Which of the following is not a feature of UNIX?

Select one:

- a. Multiuser
- b. User friendly
- c. Multitasking
- d. Portability

Feedback

The correct answer is: User friendly

Question 38

Correct

Mark 1.00 out of 1.00

MARVELS QUIZ MCQS2

Flag question

Question text

What does the below Unix command accomplish?

\$ vi sample

Select one:

- a. open file if it exists else creates a new file
- b. open file named sample
- c. edit file named sample
- d. delete a file named sample

Feedback

The correct answer is: open file if it exists else creates a new file

Question 39

Incorrect

Mark 0.00 out of 1.00

Flag question

Question text

What does the below Unix command accomplish?

\$ sed 's/ABC/ZYX/' file.txt

Select one:

- a. Only matches and displays the occurrence of the pattern
- b. Replaces first occurrence in every line 'ABC' with 'ZYX'
- c. Replaces all occurrences 'ABC' with 'ZYX'
- d. Replaces only first occurrence of 'ABC' with 'ZYX'

Feedback

The correct answer is: Replaces first occurrence in every line 'ABC' with 'ZYX'

Question 40

Correct

Mark 1.00 out of 1.00

MARVELS QUIZ MCQS2

Flag question

Question text

Which of the following layer acts as an interface between user and kernel ?

Select one:

- a. Hardware
- b. System Calls
- c. Kernel
- d. Shell

Feedback

The correct answer is: Shell

Question 41

Incorrect

Mark 0.00 out of 1.00

Flag question

Question text

Identify the selector that should be used if we want to select elements with no child elements

Select one:

- a. :leaf-element
- b. :no-siblings
- c. :empty
- d. :nobranch

Feedback

The correct answer is: :empty

Question 42

Incorrect

Mark 0.00 out of 1.00

MARVELS QUIZ MCQS2

Flag question

Question text

In CSS, styles are written under _____ tag which is the child of _____ tag

Select one or more:

- a. head
- b. body
- c. script
- d. style

Feedback

The correct answers are: head, style

Question 43

Correct

Mark 1.00 out of 1.00

Flag question

Question text

Javascript is included in an HTML file with the help of _____ tag

Select one:

- a. script
- b. body
- c. style
- d. head

Feedback

The correct answer is: script

Question 44

Correct

Mark 1.00 out of 1.00

MARVELS QUIZ MCQS2

Flag question

Question text

In CSS to define style for a unique element then which css selector should be used?

Select one:

- a. id
- b. name
- c. text
- d. class

Feedback

The correct answer is: id

Question 45

Correct

Mark 1.00 out of 1.00

Flag question

Question text

What is the CSS code to remove an underline from all hyperlinks

Select one:

- a. a {text-decoration:none;}
- b. a {text-style: no-underline;}
- c. a {text: no-underline;}
- d. a {text-decoration: no-underline;}

Feedback

The correct answer is: a {text-decoration:none;}

Question 46

Incorrect

Mark 0.00 out of 1.00

MARVELS QUIZ MCQS2

Flag question

Question text

What would be the code to set all elements under the tag to green

Select one:

- a. \$(“p”).layout(“background-color”, “green”);
- b. \$(“p”).manipulate(“background-color”, “green”);
- c. \$(“p”).style(“background-color”, “green”);
- d. \$(“p”).css(“background-color”, “green”);

Feedback

The correct answer is: \$(“p”).css(“background-color”, “green”);

Question 47

Correct

Mark 1.00 out of 1.00

Flag question

Question text

Find out the well-formed xml file

Select one:

- a. <book category="Web">
 <bname>XML Tutorials</bname>
 <pages>100</pages>
 <price>\$300.00</price>
 </book>
- b. <book category="Web">
 <bname>XML Tutorials</bname>
 <pages>100</pages>
 <price>\$300.00</Price>
 </book>
- c. <book category=Web>
 <bname>XML Tutorials</bname>
 <pages>100</pages>
 <price>\$300.00</price>
 </book>
- d. <book category="Web">
 <bname>XML Tutorials</BNAME>

MARVELS QUIZ MCQS2

```
<pages>100</pages>
<price>$300.00</price>
<book>
```

Feedback

The correct answer is: <book category="Web">
 <bname>XML Tutorials</bname>
 <pages>100</pages>
 <price>\$300.00</price>
</book>

Question 48

Incorrect

Mark 0.00 out of 1.00

Flag question

Question text

Which is the correct way to define an empty book element

Select one:

- a. <book>empty</book>
- b. <book>NULL</book>
- c. <book>
- d. <book></book>

Feedback

The correct answer is: <book></book>

Question 49

Correct

Mark 1.00 out of 1.00

Flag question

Question text

Which of the following fragments of XML are well-formed

Select one:

- a. <?xml encoding="Master"?>
- b. <?xml?>

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- c. <?xml encoding="JIS" version="File1"?>
- d. <?xml version="1.0"?>

Feedback

The correct answer is: <?xml version="1.0"?>

Question 50

Correct

Mark 1.00 out of 1.00

Flag question

Question text

What is the correct way of declaring an XML namespace?

Select one:

- a. xmlns:prefix,"URI"
- b. xmlns:prefix="URI"
- c. xmlns:prefix=URI
- d. xmlns-prefix="URI"

Feedback

The correct answer is: xmlns:prefix="URI"

Started on Saturday, 18 April 2020, 4:34 PM

State Finished

Completed on Saturday, 18 April 2020, 5:54 PM

Time taken 1 hour 20 mins

Grade 26 out of 50 (51%)

Question 1

Incorrect

Mark 0 out of 1

The employee tables contains EmployeeId,EmployeeName and DeptCode Columns. Which is the CORRECT SQL query to display the EmployeeId and EmployeeName of employees who are working in DeptCode 10 OR 20?

- (i) SELECT EmployeeId,EmployeeName FROM Employee WHERE DeptCode IN (10,20);
 - (ii) SELECT EmployeeId,EmployeeName FROM Employee WHERE DeptCode = 10 OR DeptCode = 20;
- Choose most appropriate option.

Select one:

- a. Only (i)
- b. Only (ii) ✖
- c. Neither (i) nor (ii)
- d. Both (i) and (ii)

The correct answer is: Both (i) and (ii)

Question 2

Correct

Mark 1 out of 1

Which of the following statement(s) is/are TRUE?

- (i) In a non-correlated(independent) subquery, the subquery is always executed only once.
 - (ii) In a non-correlated(independent) subquery, the inner query (sub query) references the column from the outer query (main query).
- Choose most appropriate option

Select one:

- a. Only (ii)
- b. Only (i) ✓
- c. Both (i) and (ii)
- d. Neither (i) nor (ii)

The correct answer is: Only (i)

Question 3

Correct

Mark 1 out of 1

Consider the table Student(StudentId, StudentName, Email, PercentageOfMarks). Which is the CORRECT query to display the details in the ascending order (lowest to highest) of PercentageOfMarks and in the descending order of StudentId in case PercentageOfMarks is the same. Choose most appropriate option

Select one:

- a. SELECT StudentId, StudentName, Email, PercentageOfmarks FROM Student ORDER BY PercentageOfMarks DESC, StudentId;
- b. SELECT StudentId, StudentName, Email, PercentageOfmarks FROM Student ORDER BY StudentId DESC, PercentageOfMarks;
- c. SELECT StudentId, StudentName, Email, PercentageOfmarks FROM Student ORDER BY PercentageOfMarks DESC, StudentId DESC;
- d. SELECT StudentId, StudentName, Email, PercentageOfmarks FROM Student ORDER BY PercentageOfMarks, StudentId DESC; ✓

The correct answer is: SELECT StudentId, StudentName, Email, PercentageOfmarks FROM Student ORDER BY PercentageOfMarks, StudentId DESC;

Question 4

Correct

Mark 1 out of 1

Which is the CORRECT SQL Query to display names of employees which has only 3 letters that starts with 'A' and ends with 'e'? Choose most appropriate option.

Select one:

- a. SELECT EmployeeName FROM Employee WHERE EmployeeName LIKE '_e';
- b. SELECT EmployeeName FROM Employee WHERE EmployeeName LIKE 'A_e'; ✓
- c. SELECT EmployeeName FROM Employee WHERE EmployeeName LIKE 'A%e';
- d. SELECT EmployeeName FROM Employee WHERE EmployeeName = 'A_e';

The correct answer is: SELECT EmployeeName FROM Employee WHERE EmployeeName LIKE 'A_e';

Question 5

Correct

Mark 1 out of 1

Which of the following SQL commands is used to remove table "EMPLOYEE" present in the database? Choose most appropriate option.

Select one:

- a. TRUNCATE TABLE EMPLOYEE;
- b. DELETE TABLE EMPLOYEE;
- c. DROP TABLE EMPLOYEE; ✓
- d. REMOVE TABLE EMPLOYEE;

The correct answer is: DROP TABLE EMPLOYEE;

Question 6

Incorrect

Mark 0 out of 1

Consider the Tables given below:

Product(productId,productName)

ProductOrder(orderId,productId,quantity)

productId column of ProductOrder is a Foreign key referring to Product Table

Identify the appropriate SQL statement which will fetch the productId,productName and orderId for all the Products ordered. If no orders exist for a product, display those product id and productname with value for orderId column as "Yet to be Ordered".

Choose appropriate query for the above requirement.

Select one:

- a. SELECT p1.productId,p1.productName,NVL(p2.orderId,"Yet to be Ordered") FROM Product p1 INNER JOIN ProductOrder p2 ON p1.productId=p2.productId; X
- b. SELECT p1.productId,p1.productName,NVL(p2.orderId,"Yet to be Ordered") FROM Product p1 RIGHT OUTER JOIN ProductOrder p2 ON p1.productId=p2.productId;
- c. SELECT p1.productId,p1.productName,NVL("Yet to be Ordered",p2.orderId) FROM Product p1 LEFT OUTER JOIN ProductOrder p2 ON p1.productId=p2.productId;
- d. SELECT p1.productId,p1.productName,NVL(p2.orderId,"Yet to be Ordered") FROM Product p1 LEFT OUTER JOIN ProductOrder p2 ON p1.productId=p2.productId;

The correct answer is: SELECT p1.productId,p1.productName,NVL(p2.orderId,"Yet to be Ordered") FROM Product p1 LEFT OUTER JOIN ProductOrder p2 ON p1.productId=p2.productId;

Question 7

Correct

Mark 1 out of 1

Consider table Students(sid NUMBER(3),sname VARCHAR2(10),scontact NUMBER(10)) is already created in the database.

It is required to change the data type of the column "scontact" to VARCHAR2(15).

Which of the following is Correct for the above requirement?

Note: sid column is primary key. Choose most appropriate option.

Select one:

- a. It is not possible to change the data type of a column
- b. Data type can be changed only for primary key column
- c. To change the data type of a column, it is important to ensure that the corresponding column is not having data for any of the record ✓
- d. There are no criteria to be followed. We can change the datatype of the column irrespective of the data

The correct answer is: To change the data type of a column, it is important to ensure that the corresponding column is not having data for any of the record

Question 8

Incorrect

Mark 0 out of 1

State True/False?

The names of the foreign key field and the referenced field(in parent table) may be same or different, but must have the same data type.

Select one:

- a. True
- b. False X

The correct answer is: True

Question 9

Correct

Mark 1 out of 1

Consider the table Products(pid, pname, pcost). Identify the appropriate SQL statement to rename the table to ProductsInfo . Choose most appropriate option.

Select one:

- a. ALTER TABLE RENAME Products TO ProductsInfo;
- b. ALTER TABLE Products RENAME ProductsInfo;
- c. ALTER TABLE Products RENAME TO ProductsInfo; ✓
- d. ALTER TABLE Products UPDATE TO ProductsInfo;

The correct answer is: ALTER TABLE Products RENAME TO ProductsInfo;

Question 10

Incorrect

Mark 0 out of 1

Consider the table employee(empname,salary) with some records. Identify a correct SQL statement to retrieve unique combination of empname and salary. Choose most appropriate option.

Select one:

- a. select empname,distinct salary from employee;
- b. select distinct empname,salary from employee;
- c. select empname,salary from employee;
- d. select distinct empname,distinct salary from employee; ✗

The correct answer is: select distinct empname,salary from employee;

Question 11

Correct

Mark 1 out of 1

Consider table Department(deptId,deptName). Which of the following query is used to display the department details whose deptname has second letter as 'a' and second last letter as 'e'? Choose most appropriate option.

Select one:

- a. SELECT * FROM department WHERE deptname LIKE "%a%e_";
- b. SELECT * FROM department WHERE deptname LIKE "_a%e_"; ✓
- c. SELECT * FROM department WHERE deptname LIKE "a%e%";
- d. SELECT * FROM department WHERE deptname LIKE "a%e_";

The correct answer is: SELECT * FROM department WHERE deptname LIKE "_a%e_";

Question 12

Incorrect

Mark 0 out of 1

Consider table Customer(cid NUMBER(4), cname VARCHAR2(10)) has some records. Identify the appropriate ALTER statements (choose 2) which executes on table Customer [Note: There is no null value for any column]

Select one or more:

- a. ALTER TABLE Customer MODIFY cname VARCHAR2(15);
- b. ALTER TABLE Customer MODIFY cid NUMBER(2);
- c. ALTER TABLE Customer ADD dob DATE DEFAULT '30-Jun-1995';
- d. ALTER TABLE Customer ADD CONSTRAINT cust_name NOT NULL(cname); ✗

The correct answers are: ALTER TABLE Customer ADD dob DATE DEFAULT '30-Jun-1995';, ALTER TABLE Customer MODIFY cname VARCHAR2(15);

Question 13

Incorrect

Mark 0 out of 1

Assume that table Asset(assetId number(2)) is created and 2 records are already inserted and saved.

```
COMMIT;  
DELETE FROM ASSET;  
ROLLBACK;  
INSERT INTO ASSET VALUES(5);  
COMMIT;
```

What would be the output of the below SQL statement after executing the above statements sequentially.

```
SELECT COUNT(*) FROM Asset;
```

Select one:

- a. 0
- b. 2 ✗
- c. 3
- d. 1

Your answer is incorrect.

The correct answer is: 3

Question 14

Partially correct

Mark 1 out of 1

Consider a table with the name Project is created using the SQL statement given below

```
CREATE TABLE Project(  
projectid VARCHAR2(10) CONSTRAINT pkey PRIMARY KEY,  
projectname VARCHAR2(10) CONSTRAINT pnull NOT NULL,  
employeecount NUMBER(2) DEFAULT 0);
```

Which of the following statements insert record successfully to the Project table [Choose 2]

Select one or more:

- a. INSERT INTO project(projectid,projectname) VALUES('P2','Finance'); ✓
- b. INSERT INTO project VALUES('P1','Finance',20);
- c. INSERT INTO project VALUES('P1','Finance');
- d. INSERT INTO project(projectid,employeecount) VALUES('P3',10);

Your answer is partially correct.

You have correctly selected 1.

The correct answers are: INSERT INTO project VALUES('P1','Finance',20);, INSERT INTO project(projectid,projectname) VALUES('P2','Finance');

Question 15

Correct

Mark 1 out of 1

Identify the CORRECT SQL statement to create a Account table with composite primary key (AccountNumber, CustomerId). Choose most appropriate option

Select one:

- a. CREATE TABLE Account (AccountNumber Number(5), CustomerId Number(10), OpeningDate Date, Balance Number(10,2), CONSTRAINT Acc_Pkey PRIMARY KEY (AccountNumber,CustomerId)); ✓
- b. CREATE TABLE Account (AccountNumber Number(5), CustomerId Number(10) CONSTRAINT Acc_Pkey2 PRIMARY KEY (AccountNumber,CustomerId), OpeningDate Date, Balance Number(10,2));
- c. CREATE TABLE Account (AccountNumber Number(5) CONSTRAINT Acc_Pkey1 PRIMARY KEY, CustomerId Number(10) CONSTRAINT Acc_Pkey2 PRIMARY KEY, OpeningDate Date, Balance Number(10,2));
- d. CREATE TABLE Account (AccountNumber Number(5), CustomerId Number(10), OpeningDate Date, Balance Number(10,2), CONSTRAINT Acc_Pkey COMPOSITE PRIMARY KEY (AccountNumber,CustomerId));

Your answer is correct.

The correct answer is: CREATE TABLE Account (AccountNumber Number(5), CustomerId Number(10), OpeningDate Date, Balance Number(10,2), CONSTRAINT Acc_Pkey PRIMARY KEY (AccountNumber,CustomerId));

Question 16

Correct

Mark 1 out of 1

If Employee class is created inside com.test package, what could be the first line in class? Choose most appropriate option.

Select one:

- a. packages com.test
- b. class Employee{}
- c. package com.test.Employee
- d. package com.test ✓

The correct answer is: package com.test

Question 17

Incorrect

Mark 0 out of 1

Consider the Java code given below. How many times "Accenture" will be printed when the code is executed?

```
public class Tester
{
    public static void main(String[] args)
    {
        for(int i=0; i <5; i++)
        {
            System.out.println("Accenture");
            i++;
        }
    }
}
```

Choose the most appropriate option.

Select one:

- a. 2 times
- b. 4 times ✗
- c. 1 time
- d. 3 times

The correct answer is: 3 times

Question 18

Incorrect

Mark 0 out of 1

What will be the output of the following Java code?

```
public class Employee
{
    private static int count; static
    {
        Employee.count = 101;
    }
    public Employee()
    {
        Employee.count = 201;
    }
    public static int getCount()
    {
        return Employee.count;
    }
}
public class ApplicationTester
{
    public static void main(String[] args)
    {
        Employee emp = new Employee();
        System.out.println(emp.getCount());
    }
}
```

Choose the most appropriate option.

Select one:

- a. null
- b. 101 ✖
- c. 0
- d. 201

The correct answer is: 201

Question 19

Incorrect

Mark 0 out of 1

What will be the output of the following Java code?

```
public class ApplicationTester
{
    public static void main(String[] args)
    {
        int i;
        for(i = 1; i <=3; i++)
        {
            System.out.println(i);
        }
        System.out.println(i);
    }
}
```

Choose the most appropriate option.

Select one:

- a. 1 to 3 will be displayed on the console ✖
- b. 1 to 4 will be displayed on the console
- c. 4 will be displayed twice on the console
- d. 3 will be displayed twice on the console

The correct answer is: 4 will be displayed twice on the console

Question 20

Incorrect

Mark 0 out of 1

What will be the output of the following Java code?

```
class StringSample
{
    public StringSample(String string)
    {
        System.out.println("The string is " + string);
    }
}
public class ConstructorTester1
{
    public static void main(String[] args)
    {
        StringSample stringSample = new StringSample();
        StringSample stringSample1 = new StringSample("Test String");
    }
}
```

Choose the most appropriate option.

Select one:

- a. The string is Test String ✗
- b. Compilation Error: The constructor StringSample() is undefined
- c. The string is null The string is Test String
- d. The string is null

The correct answer is: Compilation Error: The constructor StringSample() is undefined

Question 21

Correct

Mark 1 out of 1

Consider the Java code given below. How many times "Hello "; will be printed when the code is executed?

```
public class ApplicationTester
{
    public static void main(String[] args)
    {
        int i = 0;
        do
        {
            System.out.println("Hello");
            i++;
        } while(i <= 1);
    }
}
```

Choose the most appropriate option.

Select one:

- a. 3 times
- b. 1 time
- c. Nothing will be printed
- d. 2 times ✓

The correct answer is: 2 times

Question 22

Incorrect

Mark 0 out of 1

Identify the appropriate relationship between the classes House and Room. Assume that getter and setter methods for all instance variables are implemented

```
class Room
{
    private int length;
    private float width;
}
class House
{
    private float area;
    private Room room;
    public House()
    {
        room=new Room();
    }
}
```

Choose the most appropriate option

Select one:

- a. Composition
- b. Aggregation
- c. No relationship exists between class House and class Room ✗
- d. Specialization

The correct answer is: Composition

Question 23

Incorrect

Mark 0 out of 1

```
class Test
{
    static
    {
        System.out.println("A");
    }
}
public class Demo
{
    static
    {
        System.out.println("B");
    }
}
public static void main(String[] args)
{
    Test t=new Test();
}
static
{
    System.out.println("D");
}
```

Choose the most appropriate option.

Select one:

- a. A D B
- b. B D A
- c. A B D ✗
- d. B A D

The correct answer is: B D A

Question 24

Incorrect

Mark 0 out of 1

What will be the output of the following Java code?

```
public class MyClass
{
    private static int count;
    static
    {
        MyClass.count = 100;
        //Line-1
        int count = 100;
        //Line-2
    }
    public MyClass()
    {
        count++ ;
    }
    public static int getCount()
    {
        return count;
    }
}
public class StaticTester
{
    public static void main(String[] args)
    {
        MyClass ref1 = new MyClass();
        MyClass ref2 = new MyClass();
        System.out.println(ref1.getCount());
    }
}
```

Choose the most appropriate option.

Select one:

- a. Compilation error at Line-1: Invalid variable reference 'MyClass.count'
- b. 102
- c. 2
- d. Compilation error at Line-2: Duplicate variable 'count' ✖

The correct answer is: 102

Question 25

Incorrect

Mark 0 out of 1

Predict the output of the following Java code.

```
public class Customer
{
    public void getCustomer(String customer_name)
    {
        System.out.println("Customer name is : "+customer_name);
    }
    public void getCustomer(int customerId, String customer_location)
    {
        System.out.println("Customer location : "+customer_location+ " & Customer Id : "+customerId);
    }
    public void getCustomer(int customerId, float reward_points)
    {
        System.out.println("Customer Id : "+customerId+ " & reward points till date is :" +reward_points);
    }
    public static void main(String[] args)
    {
        Customer c = new Customer();
        c.getCustomer("Smith");
        c.getCustomer(1232,560.0f);
        c.getCustomer(1232, "Florida");
    }
}
```

Choose the most appropriate option.

Select one:

- a. Customer name is : Smith
Customer Id : 1232 & reward points till date is :560.0
Customer location : Florida & Customer Id : 1232
- b. Customer name is : Smith
Customer location : Florida & Customer Id : NULL
Customer Id : NULL & reward points till date is :560
- c. Compilation Error. The method getCustomer(int, String) in the type Customer is not applicable for the arguments (int, float) ✗
- d. Customer name is : Smith
Customer location : Florida reward points till date is :560
Customer location : Florida & Customer Id : 1232

The correct answer is: Customer name is : Smith
Customer Id : 1232 & reward points till date is :560.0
Customer location : Florida & Customer Id : 1232

Question 26

Correct

Mark 1 out of 1

Analyse the following pseudo code and identify the CORRECT output.

Note: Assume that the input given for Basic is 12000 and Allowances is 3000

1. input Basic, Allowances
2. Gross_Salary= Basic + Allowances
3. if (Gross_Salary > 10000) then
4. Tax = 0.1 * Gross_Salary
5. Net_Salary = Gross_Salary - Tax
6. else
7. Net_Salary = Gross_Salary
8. end-if
9. display Net_Salary

Choose the most appropriate option.

Select one:

- a. 14000
- b. 15000
- c. 13500 ✓
- d. 14985

The correct answer is: 13500

Question 27

Incorrect

Mark 0 out of 1

Consider the Java code given below. After the execution of the code what will be the content of "array2"?

```
public class Tester
{
    public static void main(String[] args)
    {
        int array1[] = {71,12,23,34};
        int array2[] = new int[4];
        int count = 0;
        for (int i = 0; i < array2.length; i++)
        {
            if(array1[i]%2==0)
            {
                array2[count]=array1[i];
                count++;
            }
        }
    }
}
```

Choose the most appropriate option.

Select one:

- a. 12 34 0 0
- b. 0 0 12 34
- c. 12 34 ✗
- d. 12 0 34 0

The correct answer is: 12 34 0 0

Question 28

Correct

Mark 1 out of 1

What will be the output of the following Java code?

```
public class Visitor
{
    private static int visitorCount;
    public Visitor()
    {
        visitorCount = 0;
        //Line-1
        visitorCount++;
    }
    public static int getVisitorCount()
    {
        return Visitor.visitorCount;
    }
}
public class ApplicationTester
{
    public static void main(String[] args)
    {
        Visitor visitor1 = new Visitor();
        Visitor visitor2 = new Visitor();
        Visitor visitor3 = new Visitor();
        System.out.println(Visitor.getVisitorCount());
    }
}
```

Choose the most appropriate option.

Select one:

- a. 1 ✓
- b. 3
- c. Compilation error at Line-1: cannot refer 'visitorCount' in a non-static context
- d. 0

The correct answer is: 1

Question 29

Incorrect

Mark 0 out of 1

What will be the output of the following Java code?

```
public class Tester
{
    public static void main(String[] args)
    {
        int array[] ={1,2,4,2,5,2,6};
        int pos=-1; int value=2;
        int itr;
        for ( itr = 0; itr < array.length; itr++)
        {
            if(array[itr]!=value)
            {
                continue;
            } pos=itr;
        }
        System.out.println(pos);
    }
}
```

Choose the most appropriate option.

Select one:

- a. 6
- b. -1
- c. 5
- d. 1 ✗

The correct answer is: 5

Question 30

Incorrect

Mark 0 out of 1

What will be the output of the following Java code?

```
public class IfTester
{
    public static void main(String[] args)
    {
        int number1 = 10, number2;
        if(number1 == 10)
        {
            number2 = 20;
        }
        if (number1 != 10)
        {
            number2 = 30;
        }
        System.out.println("Number2 :" + number2);
    }
}
```

Choose the most appropriate option.

Select one:

- a. Number2 :0
- b. Number2 :30
- c. Compilation Error: The local variable number2 may not have been initialized
- d. Number2 :20 ✗

The correct answer is: Compilation Error: The local variable number2 may not have been initialized

Question 31

Incorrect

Mark 0 out of 1

What will be the output of the following Java code?

```
public class Employee
{
    private static int employeeCount;
    public Employee()
    {
        employeeCount++;
        //Line-1
    }
    public static int getEmployeeCount()
    {
        return Employee.employeeCount;
    }
}
public class StaticTester
{
    public static void main(String[] args)
    {
        Employee emp1 = new Employee();
        Employee emp2 = new Employee();
        Employee emp3 = new Employee();
        System.out.println(Employee.getEmployeeCount());
    }
}
```

Choose the most appropriate option.

Select one:

- a. Compilation error at Line-1: Cannot use static member 'employeeCount' in a non-static context ✗
- b. 0
- c. 1
- d. 3

The correct answer is: 3

Question 32

Correct

Mark 1 out of 1

What is the output expected for the below code ?

```
public class ConstructorTest
{
    private ConstructorTest(int w) // line 2
    {
        System.out.println(w);
    }
    public static ConstructorTest() // line 6
    {
        System.out.println(10);
    }
    public static void main(String args[])
    {
        ConstructorTest obj = new ConstructorTest(50);
    }
}
```

Choose most appropriate option.

Select one:

- a. 50
- b. 10
- c. 10 50
- d. Won't compile because of line (6) constructor can't be static ✓

The correct answer is: Won't compile because of line (6) constructor can't be static

Question 33

Correct

Mark 1 out of 1

What will be the output of the following Java code?

```
class Base
{
    protected void getDetails()
    {
        System.out.println("Base method");
    }
}
class Derived extends Base
{
    private void getDetails()
    {
        System.out.println("Derived method");
    }
}
public class Main
{
    public static void main(String[] args)
    {
        Base obj=new Derived();
        obj.getDetails();
    }
}
```

Select one:

- a. Prints "Base method"
- b. Prints "Dervied method"
- c. prints both "Base method" "Derived method"
- d. compilation error :weaker access privileges ✓

The correct answer is: compilation error :weaker access privileges

Question 34

Correct

Mark 1 out of 1

What will be the output of the following Java code?

```
public class Account
{
    public void deposite(int amount)
    {
        System.out.println("Account deposited with: " + amount);
    }
    public void transaction()
    {
        this.deposite(100);
    }
}
public class SavingsAccount extends Account
{
    public void deposite(int amount)
    {
        System.out.println("Savings Account deposited with: " + amount);
    }
}
public class ApplicationTester
{
    public static void main(String[] args)
    {
        Account account = new SavingsAccount();
        account.transaction();
    }
}
```

Choose the most appropriate option.

Select one:

- a. Account deposited with: 100
- b. Account deposited with: 0
- c. Savings Account deposited with: 0
- d. Savings Account deposited with: 100 ✓

The correct answer is: Savings Account deposited with: 100

**Question
35**

Correct

Mark 1 out of 1

What will be the output of the following Java code?

```
Employee.java public class Employee
{
    private double salary;
    public Employee()
    {
        this.salary = 10000.0;
    }
    public static void updateSalary(Employee emp)
    {
        emp.salary = emp.salary + 10000.0;
        //Line-1
    }
    public double getSalary()
    {
        return this.salary;
    }
}
ApplicationTester .java public class ApplicationTester
{
    public static void main(String[] args)
    {
        Employee emp1 = new Employee();
        Employee emp2 = new Employee();
        Employee.updateSalary(emp1);
        System.out.println(emp1.getSalary() + " " + emp2.getSalary());
    }
}
```

Choose the most appropriate option.

Select one:

- a. 10000.0 10000.0
- b. 20000.0 10000.0 ✓
- c. 0.0 10000.0
- d. Compilation error at Line-1: Cannot 'emp.salary' in a static context

The correct answer is: 20000.0 10000.0

Question 36

Correct

Mark 1 out of 1

Given the below code. What is output ?

```
class Currency
{
    private String country = "Canada";
    public String getC()
    {
        return country;
    }
}
class JapeneseYen extends Currency
{
    public String getC()
    {
        return super.country; //Line 12
    }
}
public class AustralianDollar extends Currency
{
    public String getC(int x)
    {
        return super.getC();
    }
}
public static void main(String[] args)
{
    System.out.print(new JapeneseYen().getC() + " " + new AustralianDollar().getC());
}
```

Choose most appropriate option.

Select one:

- a. Canada null
- b. null null
- c. null Canada
- d. Compilation fails due to an error on line 12 ";country is not visible "; ✓
- e. Canada Canada

The correct answer is: Compilation fails due to an error on line 12 ";country is not visible ";,

Question 37

Correct

Mark 1 out of 1

'link', 'vlink' and 'alink' are attributes of which HTML tag?

Choose the most appropriate option.

Select one:

- a. <head>
- b. <a>
- c. <body> ✓
- d.

Your answer is correct.

The correct answer is: <body>

Question 38

Correct

Mark 1 out of 1

which of the following is block level html tags?

Select one:

- a. <a>
- b.
- c. <i>
- d. <h6> ✓

Your answer is correct.

The correct answer is: <h6>

Question 39

Correct

Mark 1 out of 1

Refer the incomplete code given below.

```
<style>
  #firstname {
    background-color: yellow;
    color:red;
  }
</style>
<input type=text <strong>__Blank1__</strong>='firstname'>
```

Choose the CORRECT attribute which if replaces '__Blank1__' will apply the CSS to text box.

Choose most appropriate option.

Select one:

- a. styleclass
- b. class
- c. style
- d. id ✓

Your answer is correct.

The correct answer is: id

Question 40

Correct

Mark 1 out of 1

Refer to the below code:

```
<script>
function helloMessage(){
  var jsName = //Line1 alert('Hello '+jsName+' !')
}
</script>
<form>
Enter First Name : <input type="text" name="firstName" id="first"><br>
<input type="button" value="Click Here!" onclick="helloMessage()">
</form>
```

Which is the CORRECT code to be inserted at "Line1" to make the JavaScript run properly? Choose most appropriate option

Select one:

- a. document.getElementByName('first').value;
- b. document.getElementById('first').value; ✓
- c. document.getElement('first').value;
- d. document.getElementById.first.value;

The correct answer is: document.getElementById('first').value;

Question 41

Correct

Mark 1 out of 1

What would be the color of the text "Bengaluru" and "India" while executing the below html and css code? Assume that "Black" is the default color if there is no style applied.

```
<html>
<head>
<style>
p{ color:red; } .c1{ color:green; }
</style>
</head>
<body>
<p> Bengaluru </p> <p class="c1"> India </p>
</body>
</html>
```

Choose most appropriate option.

Select one:

- a. Bengaluru - Black,India - Black
- b. Bengaluru - Red,India - Black
- c. Bengaluru - Red,India - Red
- d. Bengaluru - Red,India - Green ✓

The correct answer is: Bengaluru - Red,India - Green

Question 42

Incorrect

Mark 0 out of 1

Identify the CORRECT HTML code to define the state of the hyperlink. The requirement is to display the hyperlink "Click" in RED color if user has already visited "https://portal.accenture.com". Choose most appropriate option.

Select one:

- a. <html>
<body link="red" >
 Click
</body>
</html>
- b. <html>
<body>
 Click
</body>
</html> ✗
- c. <html>
<body>
 Click
</body>
</html>
- d. <html>
<body vlink="red" >
Click
</body>
</html>

The correct answer is: <html>

```
<body vlink="red" >
<a href="https://portal.accenture.com/">Click </a>
</body>
</html>
```

Question 43

Incorrect

Mark 0 out of 1

What would be the Output of the below java script Code?

```
<html> <body>
<script>
  var x = 5; var d = (x != "5");
  document.write(d + "--");
  d = (x === "5"); document.write(d);
</script> </body>
</html>
```

Choose most appropriate option.

Select one:

- a. true--true
- b. false--true
- c. false--false
- d. true--false ✗

The correct answer is: false--false

Question 44

Incorrect

Mark 0 out of 1

Refer the incomplete HTML Code given below

```
<table border="2" _____=10>
<tr> <th>Employee Name</th>
<th>Department</th> </tr>
<tr> <td>Jack</td>
<td>LKM</td> </tr>
<tr> <td>Ace</td><td>Delivery</td> </tr>
</table>
```

Identify the appropriate option to be placed in the spaceso that for each cell, there will be a space between the cell border and its respective content Choose most appropriate option.

Select one:

- a. colspace
- b. cellpadding
- c. colspan ✗
- d. cellspacing

The correct answer is: cellpadding

Question 45

Correct

Mark 1 out of 1

Which of the following statements is TRUE for CSS?

- A. An external style sheet is ideal when the style is applied to many pages
- B. An inline style created for a html tag can be reused for other tags in same page.

Choose most appropriate option.

Select one:

- a. Neither A nor B
- b. Only B
- c. Only A ✓
- d. Both A and B

The correct answer is: Only A

Question 46

Correct

Mark 1 out of 1

Which of the following is not a method of document object? Choose most appropriate option.

Select one:

- a. print(String) ✓
- b. write(String)
- c. getElementByTagName(String)
- d. getElementById(String)

The correct answer is: print(String)

Question 47

Correct

Mark 1 out of 1

Which method is used to remove focus from the specified object? Choose most appropriate option.

Select one:

- a. onsubmit()
- b. onblur() ✓
- c. onfocus()
- d. onclick()

The correct answer is: onblur()

Pappu Career Guide

**Question
48**

Incorrect
Mark 0 out of 1

Consider the HTML code given below.

```
<html>
<head>
<script>
var key=10;
function add(){
    var key=20;
    window.key=key+1;
    document.write(key);
    document.write(" ");
    print();
}
function print(){
    document.write(key);
}
</script>
</head>
<body>
<form>
<input type="submit" onclick="add()" />
</form>
</body>
</html>
```

What will be displayed after executing the above code?

Choose the most appropriate option.

Select one:

- a. 11 11
- b. 21 21 ✕
- c. 11 10
- d. 20 21

Your answer is incorrect.

The correct answer is: 20 21

Question 49

Incorrect

Mark 0 out of 1

How many cells will be created after executing the below HTML code?

```
<html>
<body>
<table border="1">
<tr> <td colspan="3"> Jack </td> </tr>
<tr> <td colspan="2"> Tom </td> <td> Mark </td> </tr>
<tr> <td rowspan="2"> John</td> <td> James</td> <td> Mary</td> </tr>
<tr> <td> Helen</td> <td> Sam </td> </tr>
</table>
</body>
</html>
```

Select one:

- a. 8
- b. 9 ✗
- c. 7
- d. 10

Your answer is incorrect.

The correct answer is: 8

Question 50

Incorrect

Mark 0 out of 1

What would be the output of the Javascript code given below?

```
<html>
<body>
<script>
var num1=100;
function test(){
    num2=200;
    var num1=300;
    num1=num2;
}
test();
document.write(num1 + "-" + num2);
</script>
</body>
</html>
```

Select one:

- a. 300-100
- b. 300-200 ✗
- c. 200-200
- d. 100-200

Your answer is incorrect.

The correct answer is: 100-200

Started on Tuesday, 21 April 2020, 4:30 PM

State Finished

Completed on Tuesday, 21 April 2020, 5:50 PM

Time taken 1 hour 20 mins

Grade 42.83 out of 50.00 (86%)

Question 1

Correct

Mark 1.00 out of 1.00

Predict the output:

```
class A
{
    public static void main (String[] args) throws java.lang.Exception
    {
        String str="Two";
        switch (str) {
            case "One":
                System.out.print(1);
            case "Two": System.out.print(3);
            case "Three": System.out.print(4);
            break;
        }
    }
}
```

Select one:

- a. 134
- b. 4
- c. error
- d. 34 ✓

The correct answer is: 34

Question 2

Partially correct

Mark 0.67 out of 1.00

Choose all the statement(s) that are valid.

Select one or more:

- a. A super class is an incomplete class that requires further specification
- b. Static data member have same copy, each associated with the object of class ✓
- c. Two classes in two different packages can have the same name. ✓
- d. There is only single copy of member function in memory when a class is loaded

The correct answers are: Two classes in two different packages can have the same name., There is only single copy of member function in memory when a class is loaded, Static data member have same copy, each associated with the object of class

Question 3

Correct

Mark 1.00 out of 1.00

Identify whether the below statement is True or False: The hierarchy of Reader/Writer class is character-oriented and InputStream/OutputStream class is byte-oriented.

Select one:

- True ✓
- False

The correct answer is 'True'.

Question 4

Correct

Mark 1.00 out of 1.00

What is the correct way for a method to indicate that it expects the caller to handle an Exception? Assuming that the method contains code which may raise an Exception (but not a RuntimeException).

Select one:

- a. throws Exception ✓
- b. new Exception
- c. Don't need to specify anything
- d. throw Exception

The correct answer is: throws Exception

Question 5

Correct

Mark 1.00 out of 1.00

Examine the given the code and choose from the following that would equate to true.

```
String str1 = "Fedrick";
String str2 = "Fedrick";
String str3 = new String(str1);
(A) s1 == s2
(B) s1 = s2
(C) s3 == s1
(D) s1.equals(s2)
(E) s3.equals(s1)
```

Select one:

- a. (A), (C) & (E)
- b. (A), (B) & (C)
- c. (A), (D) & (E) ✓
- d. (C), (D) & (E)
- e. (D) & (E)

The correct answer is: (A), (D) & (E)

**Question
6**

Correct

Mark 1.00 out of
1.00

What will happen if you attempt to compile and run the following code?

```
Integer i=new Integer(15);
Long l=new Long (10);
System.out.println(i + l);
int check=1;
System.out.println(check + i);
```

Select one:

- a. 15
16
- b. Error: Can't convert java.lang.Integer
- c. 25
16 ✓
- d. 25
26

The correct answer is: 25

16

Question**7**

Incorrect

Mark 0.00 out of
1.00**Predict the output:**

```
class One
{
    void calculate(int a, int b)
    {
        System.out.println("Class One");
    }
}

class Two extends One
{
    @Override
    void calculate(int a, int b)
    {
        System.out.println("Class Two");
    }
}

class Three extends Two
{
    @Override
    void calculate(int a, int b)
    {
        System.out.println("Class Three");
    }
}

public class Test
{
    public static void main(String[] args)
    {
        One one = new Two();

        one.calculate(10, 20);

        Two two = (Two) one;

        two.calculate(50, 100);

        Three three = (Three) two;

        three.calculate(100, 200);
    }
}
```

Select one:

- a. Class One
Class Two
Class Three ✖
- b. Class Two
Class Two
`java.lang.ClassCastException`
- c. Class One
Class Two
`java.lang.ClassCastException`
- d. `java.lang.ClassCastException`

The correct answer is: Class Two**Class Two**
`java.lang.ClassCastException`

Question 8

Correct

Mark 1.00 out of 1.00

Arrange the following operator precedence in descending order when evaluating an Expression.

1. Comparisons
2. Logical operations
3. Increment
4. Arithmetic operations

Select one:

- a. 2-1-4-3
- b. 1-2-4-3
- c. 3-4-1-2 ✓
- d. 4-3-1-2

The correct answer is: 3-4-1-2

Question 9

Incorrect

Mark 0.00 out of 1.00

```
class Recursion{  
int puzzle(int n){  
int result;  
if (n==1)  
return 1;  
result = puzzle(n-1) * n;  
return result;  
}  
}  
public class TestMain  
{  
  
    public static void main(String args[])  
    {  
        Recursion r = new Recursion();  
        System.out.println(r.puzzle(-6));  
    }  
}
```

What will be the output of above code.

Select one:

- a. 12
- b. 120
- c. 720 ✗
- d. 6
- e. Exception

The correct answer is: Exception

Question 10

Correct

Mark 1.00 out of 1.00

What is the diagram that depicts the interaction between objects by arranging the objects in time sequence ?

Select one:

- a. Use Case Diagram
- b. Component Diagram
- c. Sequence Diagram ✓
- d. Activity Diagram

The correct answer is: Sequence Diagram

Question 11

Correct

Mark 1.00 out of 1.00

What is the term used to define the values that are common across all instances of a class ?

Select one:

- a. Interface
- b. Static ✓
- c. Property
- d. Attribute

The correct answer is: Static

Question 12

Partially correct

Mark 0.67 out of 1.00

Select the true statements about Use Case diagram ?

Select one or more:

- a. Captures dynamic aspects of the system
- b. Depicts the boundary of the system ✓
- c. Captures users of the system ✓
- d. Captures attributes and methods

The correct answers are: Depicts the boundary of the system, Captures users of the system, Captures dynamic aspects of the system

Question 13

Incorrect

Mark 0.00 out of 1.00

Select the principle that best describes the given scenario. The airline ticket booking clerk manages the available seats, dates, passenger information, etc while the mechanic maintains information like flight performance, fuel consumption, service intervals, etc

Select one:

- a. Encapsulation ✗
- b. Typing
- c. Abstraction
- d. Polymorphism

The correct answer is: Abstraction

Question 14

Correct

Mark 1.00 out of 1.00

Select the diagram used to depict the building blocks and the static structure of the system ?

Select one:

- a. Class Diagram ✓
- b. Interaction Diagram
- c. Sequence Diagram
- d. Component Diagram

The correct answer is: Class Diagram

Question 15

Partially correct
Mark 0.50 out of 1.00

Select the benefits of OOP ?

Select one or more:

- a. code deployment
- b. Ease of design
- c. Resuability ✓
- d. Testing

The correct answers are: Ease of design, Resuability

Question 16

Correct
Mark 1.00 out of 1.00

Order the range of coupling from high to low

- a. control coupling
- b. stamp coupling
- c. content coupling
- d. uncoupled
- e. common coupling
- f. data coupling

Select one:

- a.
c , a, b, f, e, d
- b.
c , e , a, b, f, d ✓
- c.
c , e , a, f , b, d
- d.
d, c , e , a, b, f

Your answer is correct.

The correct answer is:

c , e , a, b, f, d

Question 17

Correct
Mark 1.00 out of 1.00

A flowchart needs to represent a situation to check whether a person is eligible to vote. The system has to consider the person's age for checking the eligibility. Which of the following constructs should be used?

Select one:

- a.
Loop
- b. All the options
- c.
Decision ✓
- d.
Sequence

Your answer is correct.

The correct answer is:

Decision

Question 18

Correct

Mark 1.00 out of 1.00

Steve is learning to draw a flowchart to calculate the volume of a cuboid. Which of the options given below would fit into the process section of the flow chart?

Select one:

- a. display the volume of the cuboid
- b. check if l,b,h have positive value
- c. Volume=l*b*h ✓
- d. Read the value of l,b,h(l represents the length, b represents the breadth, h represents the height)

Your answer is correct.

The correct answer is: Volume=l*b*h

Question 19

Correct

Mark 1.00 out of 1.00

Carefully read the question and answer accordingly. Find which list is not related to stacks?

Select one:

- a. First in First Out ✓
- b. None of the options.
- c. Last In First Out
- d. Push-down

The correct answer is: First in First Out

Question 20

Correct

Mark 1.00 out of 1.00

Carefully read the question and answer accordingly. Which data structure is said to be linear data structure?

Select one:

- a. Arrays ✓
- b. None of the listed options
- c. Graphs
- d. Tree

The correct answer is: Arrays

Question 21

Correct

Mark 1.00 out of 1.00

From the given options identify the appropriate algorithm that has the lowest worst-case complexity?

Select one:

- a. Selection Sort
- b. Merge Sort ✓
- c. Bubble Sort
- d. Quick Sort

The correct answer is: Merge Sort

Question 22

Incorrect

Mark 0.00 out of 1.00

Which algorithm is the best sorting method in-place with no quadratic worst-case scenarios?

Select one:

- a. Quick Sort ✗
- b. Selection Sort
- c. Heap Sort
- d. Bubble Sort

The correct answer is: Heap Sort

Question 23

Correct

Mark 1.00 out of 1.00

Time complexity of an algorithm signifies the total time required by the algorithm to complete its execution with provided resources. State True or False.

Select one:

- True ✓
- False

The correct answer is 'True'.

Question 24

Incorrect

Mark 0.00 out of 1.00

In which of the given SDLC model, unclear requirements are considered?

Select one:

- a. Prototyping Model
- b. Spiral Model
- c. Waterfall Model ✗
- d. Agile Model

The correct answer is: Prototyping Model

Question 25

Correct

Mark 1.00 out of 1.00

Which of the option gives the number of independent paths in the program

Select one:

- a. Equivalence Partitioning
- b. Error Guessing
- c. Mc Cabe's number ✓
- d. Boundary Value analysis

The correct answer is: Mc Cabe's number

Question 26

Correct

Mark 1.00 out of 1.00

Go-Will department store wants to automate few of its functionalities. From the below options identify the functional requirements of Go-Will department store

Select one or more:

- a. Generate Bill for the purchased Items ✓
- b. Add Product Details ✓
- c. Response for each button click should be within 3 seconds
- d. System should be up and running 24/7

The correct answers are: Generate Bill for the purchased Items, Add Product Details

Question 27

Incorrect

Mark 0.00 out of 1.00

Identify the McCabe's number for the below code:

```
public class Testing{  
    public static void main(String[] args) {  
        int var1 = 10;  
        int var2 = 20;  
        if ((var1 > 8) && (var2 > 8))  
        { System.out.println("Greater than 8");  
        }  
        if ((var1 > 10) || (var2 > 10))  
        { System.out.println("Greater than 10"); }  
    }  
}
```

Select one:

- a. 4
- b. 3
- c. 6 ✗
- d. 5

The correct answer is: 5

Question 28

Correct

Mark 1.00 out of 1.00

After the development of online website for global pharmacy , it was found that there were interface errors in few of the modules. In which level of testing these errors would be identified.

Select one:

- a. System Testing
- b. Integration Testing ✓
- c. Acceptance Testing
- d. Unit Testing

The correct answer is: Integration Testing

Question 29

Correct

Mark 1.00 out of 1.00

Which of the following option will delete the corresponding records in the child table when the records in parent table get deleted?

Select one:

- a. On cascade set null
- b. On delete cascade ✓
- c. On cascade delete
- d. On delete set null

The correct answer is: On delete cascade

Question 30

Correct

Mark 1.00 out of 1.00

The CUSTOMER table has following structure

CID NUMBER (5), CNAME VARCHAR2 (50), CADDRESS VARCHAR2 (150)

Which of the below statement would fetch the Customer ID, Name from customer table where customer name contains "Bose" and is from "Calcutta"

Select one:

- a. Select cid, cname from customers where cname like '%Bose%' and caddress ='Calcutta'; ✓
- b. Select cid, cname from customers where cname like 'Bose' and caddress ='Calcutta';
- c. Select cid, cname from customers where cname ='Bose' and caddress ='Calcutta';
- d. Select * from customers where cname like '%Bose%' and caddress ='Calcutta';

The correct answer is: Select cid, cname from customers where cname like '%Bose%' and caddress ='Calcutta';

Question 31

Correct

Mark 1.00 out of 1.00

In SQL, which command is used to add new rows to a table?

Select one:

- a. Append
- b. Insert ✓
- c. Alter Table
- d. Add row

The correct answer is: Insert

Question 32

Correct

Mark 1.00 out of 1.00

Which of the following is not a built in aggregate function in Oracle?

Select one:

- a. Count
- b. Max
- c. Avg
- d. Total ✓

The correct answer is: Total

Question 33

Correct

Mark 1.00 out of 1.00

The EMPLOYEE table has following structure

EMPID NUMBER (5) , ENAME VARCHAR2 (50), Address VARCHAR2 (15)

Which of the below options will display names of all the employees who are from "Chennai" ?

Select one:

- a. SELECT ENAME FROM EMPLOYEE WHERE ADDRESS ='Chennai'; ✓
- b. SELECT * FROM EMPLOYEE ;
- c. SELECT ENAME FROM EMPLOYEE;
- d. SELECT * FROM EMPLOYEE WHERE ADDRESS ='Chennai';

The correct answer is: SELECT ENAME FROM EMPLOYEE WHERE ADDRESS ='Chennai';

Question 34

Correct

Mark 1.00 out of 1.00

What statements are true with respect to delete and truncate command?

Select one:

- a. Both the commands cannot be reversed
- b. Delete command can be reversed but truncate cannot be reversed ✓
- c. Both the commands work in same manner
- d. Both the commands can be reversed

The correct answer is: Delete command can be reversed but truncate cannot be reversed

Question 35

Correct

Mark 1.00 out of 1.00

What is the purpose of using -a option with ls command ?

Select one:

- a. for showing executables
- b. for showing hidden files ✓
- c. for showing directories
- d. for multi columnar output

The correct answer is: for showing hidden files

Question 36

Correct

Mark 1.00 out of 1.00

Which command in UNIX displays the list of all the users who have logged into the Unix server?

Select one:

- a. users
- b. List users
- c. Who am i
- d. Who ✓

The correct answer is: Who

Question 37

Correct

Mark 1.00 out of 1.00

Unix Terminals are called Dummy terminals as they do not have _____ capability.

Select one:

- a. Processing ✓
- b. Input
- c. Output
- d. Display

The correct answer is: Processing

Question 38

Correct

Mark 1.00 out of 1.00

Pipes are Used to combine two or more commands. The symbol used for representing pipe is _____

Select one:

- a. ;;
- b. | ✓
- c. ||
- d. >>

The correct answer is: |

Question 39

Correct

Mark 1.00 out of 1.00

Which of the following layer acts as an interface between user and kernel ?

Select one:

- a. System Calls
- b. Kernel
- c. Shell ✓
- d. Hardware

The correct answer is: Shell

Question 40

Correct

Mark 1.00 out of 1.00

What does the below Unix command accomplish?

\$ sed 's/ABC/ZYX/' file.txt

Select one:

- a. Replaces first occurrence in every line 'ABC' with 'ZYX' ✓
- b. Replaces all occurrences 'ABC' with 'ZYX'
- c. Replaces only first occurrence of 'ABC' with 'ZYX'
- d. Only matches and displays the occurrence of the pattern

The correct answer is: Replaces first occurrence in every line 'ABC' with 'ZYX'

Question 41

Correct

Mark 1.00 out of 1.00

What is the output of the following code?

```
<script type="text/javascript">
var s = "6718654 or 70101?";
var pattern = /\d{4}/;
var output = s.match(pattern);
document.write(output);
</script>
```

Select one:

- a. 6718654
- b. 671701
- c. 70101
- d. 6718 ✓

The correct answer is: 6718

Question 42

Correct

Mark 1.00 out of 1.00

Which tag in html is used to display a horizontal line (rule) in the document ?

Select one:

- a. H2
- b. H1
- c. HR ✓
- d. HL

The correct answer is: HR

Question 43

Correct

Mark 1.00 out of 1.00

What is used in an HTML page to give instruction to the web browser about the version of HTML being used?

Select one:

- a. HEAD
- b. DOCTYPE ✓
- c. DOCUMENT
- d. TITLE

The correct answer is: DOCTYPE

Question 44

Correct

Mark 1.00 out of 1.00

What does the following selector do ?

```
$( "div" )
```

Select one:

- a. Selects the first div element
- b. Selects all div elements ✓
- c. selects the first div element inside a <p> tag
- d. Selects all div elements within a <p> tag

The correct answer is: Selects all div elements

Question 45

Correct

Mark 1.00 out of 1.00

In CSS to define style for a unique element then which css selector should be used?

Select one:

- a. id ✓
- b. text
- c. name
- d. class

The correct answer is: id

Question 46

Correct

Mark 1.00 out of 1.00

What is the CSS code to remove an underline from all hyperlinks

Select one:

- a. a {text: no-underline;}
- b. a {text-decoration: no-underline;}
- c. a {text-decoration:none;} ✓
- d. a {text-style: no-underline;}

The correct answer is: a {text-decoration:none;}

Question 47

Correct

Mark 1.00 out of 1.00

Find out the well-formed xml file

Select one:

- a. <book category="Web">
 <bname>XML Tutorials</BNAME>
 <pages>100</pages>
 <price>\$300.00</price>
 <book>
- b. <book category="Web">
 <bname>XML Tutorials</bname>
 <pages>100</pages>
 <price>\$300.00</price>
 </book> ✓
- c. <book category=Web>
 <bname>XML Tutorials</bname>
 <pages>100</pages>
 <price>\$300.00</price>
 </book>
- d. <book category="Web">
 <bname>XML Tutorials</bname>
 <pages>100</pages>
 <price>\$300.00</Price>
 </book>

The correct answer is: <book category="Web">

```
<bname>XML Tutorials</bname>
<pages>100</pages>
<price>$300.00</price>
</book>
```

Question 48

Correct

Mark 1.00 out of 1.00

what is used to find out an internet resource in an XML?

Select one:

- a. URL
- b. XMLNS
- c. URN
- d. URI ✓

The correct answer is: URI

Question 49

Correct

Mark 1.00 out of
1.00

Which of the following xml prolog is according to syntax of XML

Select one:

- a. <?xml version="1.0" version="UTF-8"?>
- b. <?xml version="1.0" encoding="UTF-8">
- c. <?xml version="1.0" encoding="UTF-18"?>
- d. <?xml version="1.0" encoding="UTF-8"?> ✓

The correct answer is: <?xml version="1.0" encoding="UTF-8"?>

Question 50

Correct

Mark 1.00 out of
1.00

What is wrong in the following lines of xml code

```
<note date= 14/04/1979>
<to>Abin< /to>
<from>John< /from>
</note>
```

Select one:

- a. XML Tags are Case Sensitive
- b. All XML Elements Must Have a Closing Tag
- c. XML Attribute Values Must be Quoted ✓
- d. XML Elements Must be Properly Nested

The correct answer is: XML Attribute Values Must be Quoted

Started on Friday, 24 April 2020, 4:31 PM

State Finished

Completed on Friday, 24 April 2020, 5:50 PM

Time taken 1 hour 19 mins

Grade 47.00 out of 50.00 (94%)

Question 1

Correct

Mark 1.00 out of 1.00

How do we change the state of an object ?

Select one:

- a. Using object's property
- b. Using object's behavior ✓
- c. Using Object's default methods
- d. Using class name

The correct answer is: Using object's behavior

Question 2

Correct

Mark 1.00 out of 1.00

Select the true statement ?

Select one:

- a. Inheritance forms a is-a part of relationship between classes.
- b. Aggregation is the stronger form of Inheritance.
- c. Aggregation forms a is-a part of relationship between classes. Composition is the stronger form of Aggregation. ✓
- d. Aggregation forms the is-a type of relationship between classes.

The correct answer is: Aggregation forms a is-a part of relationship between classes. Composition is the stronger form of Aggregation.

Question 3

Correct

Mark 1.00 out of 1.00

Which of the below terms represents the levels of hierarchy ?

Select one or more:

- a. Multi-Level
- b. Compound
- c. Aggregation ✓
- d. Generalization ✓

The correct answers are: Generalization, Aggregation

Question

4

Incorrect

Mark 0.00 out of
1.00

What defines the state of an object ?

Select one:

- a. Using the class Id
- b. Using the value of the class properties
- c. Using the behavior ✗
- d. Using the class identity

The correct answer is: Using the value of the class properties

Question

5

Correct

Mark 1.00 out of
1.00

How does the different section of an application communicate in an OO approach ?

Select one:

- a. The objects created during runtime by different sections of the application interact through messages ✓
- b. In OO approach, the different sections run in isolation so they will NOT interact
- c. Different sections of the application interact through file system
- d. Different sections of the application interact through database

The correct answer is: The objects created during runtime by different sections of the application interact through messages

Question

6

Correct

Mark 1.00 out of
1.00

Select the principle that best describes the given scenario. An air-condition can be operated using the button or remote control.

Select one:

- a. Abstraction
- b. Encapsulation ✓
- c. Hierarchy
- d. Polymorphism

The correct answer is: Encapsulation

Question

7

Correct

Mark 1.00 out of
1.00

_____ is not the exact code for solving the problem but it would give us an idea of how the problem is going to be solved.

Select one:

- a. object code
- b. Pseudocode ✓
- c. Structure code
- d. Programming code

Your answer is correct.

The correct answer is: Pseudocode

Question 8

Correct

Mark 1.00 out of 1.00

In which of the given SDLC model, unclear requirements are considered?

Select one:

- a. Waterfall Model
- b. Spiral Model
- c. Agile Model
- d. Prototyping Model ✓

The correct answer is: Prototyping Model

Question 9

Correct

Mark 1.00 out of 1.00

Enhancements made to the developed software is called as

Select one:

- a. Maintenance ✓
- b. Analysis
- c. Design
- d. Testing

The correct answer is: Maintenance

Question 10

Correct

Mark 1.00 out of 1.00

After the development of online website for global pharmacy , it was found that there were interface errors in few of the modules. In which level of testing these errors would be identified.

Select one:

- a. Acceptance Testing
- b. Integration Testing ✓
- c. System Testing
- d. Unit Testing

The correct answer is: Integration Testing

Question 11

Correct

Mark 1.00 out of 1.00

Software was developed for Global Marketing. Few changes that was earlier requested was already incorporated in the delivered software. Now the client does not want the changes and requested for the previous release. Which of the below option would facilitate developer to meet the client needs.

Select one:

- a. Software Control Management
- b. Software Repository
- c. Change Control Management
- d. Software Configuration Management ✓

The correct answer is: Software Configuration Management

Question 12

Correct

Mark 1.00 out of 1.00

A Software needs to be developed for a Sterlin Hospital to monitor the radiations given for cancer patients. Even a very minute deviation would result in the risk of the life of the patient. Which would be the appropriate life cycle model used to implement the given scenario

Select one:

- a. Agile
- b. Water fall
- c. Prototyping
- d. Spiral ✓

The correct answer is: Spiral

Question 13

Correct

Mark 1.00 out of 1.00

Unix Terminals are called Dummy terminals as they do not have _____ capability.

Select one:

- a. Output
- b. Processing ✓
- c. Display
- d. Input

The correct answer is: Processing

Question 14

Correct

Mark 1.00 out of 1.00

Which of the following is not a feature of UNIX?

Select one:

- a. User friendly ✓
- b. Portability
- c. Multitasking
- d. Multiuser

The correct answer is: User friendly

Question 15

Correct

Mark 1.00 out of 1.00

Consider the sample.txt file and predict the output

Unix is an operating system.

Unix is open source.

Linux is also a powerful OS.

What is the output of grep -c "Unix" sample.txt command?

Select one:

- a. 4
- b. 2 ✓
- c. 0
- d. 3

The correct answer is: 2

Question 16

Correct

Mark 1.00 out of 1.00

What does the below Unix command accomplish?

\$ sed 's/ABC/ZYX/' file.txt

Select one:

- a. Only matches and displays the occurrence of the pattern
- b. Replaces only first occurrence of 'ABC' with 'ZYX'
- c. Replaces all occurrences 'ABC' with 'ZYX'
- d. Replaces first occurrence in every line 'ABC' with 'ZYX' ✓

The correct answer is: Replaces first occurrence in every line 'ABC' with 'ZYX'

Question 17

Correct

Mark 1.00 out of 1.00

Which of the following should be used to print lines containing 'manager' in emp.lst?

Select one:

- a. awk '/manager { print }' emp.lst
- b. awk '/manager/ { print } emp.lst
- c. awk 'manager { print }' emp.lst
- d. awk '/manager/ { print }' emp.lst ✓

The correct answer is: awk '/manager/ { print }' emp.lst

Question 18

Correct

Mark 1.00 out of 1.00

What is the purpose of using -a option with ls command ?

Select one:

- a. for showing hidden files ✓
- b. for showing executables
- c. for multi columnar output
- d. for showing directories

The correct answer is: for showing hidden files

Question 19

Correct

Mark 1.00 out of 1.00

Which is the correct way to define an empty book element

Select one:

- a. <book>
- b. <book>NULL</book>
- c. <book>empty</book>
- d. <book></book> ✓

The correct answer is: <book></book>

Question 20

Correct

Mark 1.00 out of 1.00

Which is not true about XML

Select one:

- a. XML must be wellformed
- b. XML Tags are not Case Sensitive ✓
- c. All XML Elements Must Have a Closing Tag
- d. XML Elements Must be Properly Nested

The correct answer is: XML Tags are not Case Sensitive

Question 21

Correct

Mark 1.00 out of 1.00

What is the correct XPATH that selects all the state elements that have a "speak" attribute with a value of "HIN"

Select one:

- a. //state[@speak,'HIN']
- b. //state[@speak=HIN]
- c. //state[speak='HIN']
- d. //state[@speak='HIN'] ✓

The correct answer is: //state[@speak='HIN']

Question 22

Correct

Mark 1.00 out of 1.00

Find out the well-formed xml file

Select one:

- a. <book category="Web">
 <bname>XML Tutorials</bname>
 <pages>100</pages>
 <price>\$300.00</price>
 </book> ✓
- b. <book category="Web">
 <bname>XML Tutorials</bname>
 <pages>100</pages>
 <price>\$300.00</Price>
 </book>
- c. <book category="Web">
 <bname>XML Tutorials</BNAME>
 <pages>100</pages>
 <price>\$300.00<price>
 <book>
- d. <book category=Web>
 <bname>XML Tutorials</bname>
 <pages>100</pages>
 <price>\$300.00</price>
 </book>

The correct answer is: <book category="Web">

```
<bname>XML Tutorials</bname>
<pages>100</pages>
<price>$300.00</price>
</book>
```

Question 23

Correct

Mark 1.00 out of 1.00

If Employee class is created inside com.test package, what could be the first line in class? Choose most appropriate option.

Select one:

- a. packages com.test
- b. package com.test ✓
- c. package com.test.Employee
- d. class Employee{}

The correct answer is: package com.test

Question 24

Correct

Mark 1.00 out of 1.00

What will be the output of the following Java code?

```
public class Rectangle
{
    private int length;
    private int width;
    public static void main(String[] args)
    {
        Rectangle rectangle1 = new Rectangle();
        rectangle1.length=10;
        rectangle1.width=5;
        Rectangle rectangle2 = rectangle1;
        System.out.println("Length : "+rectangle2.length);
        System.out.println("Width : "+rectangle2.width);
    }
}
```

Choose the most appropriate option.

Select one:

- a. Length: 5 Width: 10
- b. Length : 10 Width : 5 ✓
- c. Length : null Width : null
- d. Length : 0 Width : 0

The correct answer is: Length : 10 Width : 5

Question 25

Correct

Mark 1.00 out of
1.00

What will be the output of the following Java code?

```
public class Employee
{
    private static int count; static
    {
        Employee.count = 101;
    }
    public Employee()
    {
        Employee.count = 201;
    }
    public static int getCount()
    {
        return Employee.count;
    }
}
public class ApplicationTester
{
    public static void main(String[] args)
    {
        Employee emp = new Employee();
        System.out.println(emp.getCount());
    }
}
```

Choose the most appropriate option.

Select one:

- a. 201 ✓
- b. null
- c. 101
- d. 0

The correct answer is: 201

Question 26

Correct

Mark 1.00 out of
1.00

What will be the output of the following Java code?

```
public class MyClass
{
    public static void main (String[] args)
    {
        int value1=33;
        int value2=--value1;
        int value3=value1++;
        System.out.println(value1+" "+value2+" "+value3);
    }
}
```

Choose the most appropriate option.

Select one:

- a. 33 32 32 ✓
- b. 32 32 32
- c. 32 33 32
- d. 32 32 33

The correct answer is: 33 32 32

**Question
27**

Incorrect

Mark 0.00 out of
1.00

What will be the output of the following Java code?

```
public class Vehicle
{
    protected String enginePower;
    public Vehicle()
    {
        this.enginePower = "100CC";
    }
    public String getEnginePower()
    {
        return this.enginePower;
    }
}
public class PassengerVehicle extends Vehicle
{
    private int capacity;
    public PassengerVehicle()
    {
        this.capacity = 50;
        this.enginePower = "150CC";
    }
    public int getCapacity()
    {
        return this.capacity;
    }
}
public class ApplicationTester
{
    public static void main(String[] args)
    {
        Vehicle vehicle = new PassengerVehicle();
        System.out.println(vehicle.getEnginePower());
    }
}
```

Choose the most appropriate option.

Select one:

- a. null
- b. 150CC
- c. 100CC150CC
- d. 100CC ✗

The correct answer is: 150CC

**Question
28**

Correct

Mark 1.00 out of
1.00

What will be the output of the following Java code?

```
public class BaseClass
{
    public static void method()
    {
        System.out.println("1");
    }
}
public class DerivedClass extends BaseClass
{
    public static void method()
    {
        System.out.println("2");
    }
}
public class ApplicationTester
{
    public static void main(String[] args)
    {
        BaseClass ref = new DerivedClass();
        ref.method();
        //Line-1
    }
}
```

Choose the most appropriate option.

Select one:

- a. 1 ✓
- b. Compilation error at Line-1: Ambiguous method call 'ref.method()'
- c. 2
- d. Program will display both 1 and 2

The correct answer is: 1

**Question
29**

Correct

Mark 1.00 out of
1.00

What will be the output of the following Java code?

```
public class Account
{
    public void deposite(int amount)
    {
        System.out.println("Account deposited with: " + amount);
    }
    public void transaction()
    {
        this.deposite(100);
    }
}
public class SavingsAccount extends Account
{
    public void deposite(int amount)
    {
        System.out.println("Savings Account deposited with: " + amount);
    }
}
public class ApplicationTester
{
    public static void main(String[] args)
    {
        Account account = new SavingsAccount();
        account.transaction();
    }
}
```

Choose the most appropriate option.

Select one:

- a. Account deposited with: 100
- b. Savings Account deposited with: 100 ✓
- c. Savings Account deposited with: 0
- d. Account deposited with: 0

The correct answer is: Savings Account deposited with: 100

Question 30

Correct

Mark 1.00 out of
1.00

What is the output of the following code?

```
class Account
{
    int balance;
    public void createAccount()
    {
        balance = 1000;
    }
    public int getMinimumBalance()
    {
        return balance;
    }
}
class SalaryAccount extends Account
{
private String companyName;
public SalaryAccount(String companyName)
{
this.companyName = companyName;
}
public void createAccount()
{
balance = 500;
}
public void checkCompany()
{
if (companyName.equalsIgnoreCase("Accenture"))
{
balance = 0;
}
}
}
public class MainClass
{
    public static void main(String[] args)
    {
        Account account = new SalaryAccount("Accenture");
        account.createAccount();
        System.out.println("Balance : " + account.getMinimumBalance());
        account.checkCompany();
        System.out.println("Balance : " + account.getMinimumBalance());
    }
}
```

Choose the most appropriate option.

Select one:

- a. Balance: 1000 Balance: 500
- b. Compilation Error: The method checkCompany() is undefined for the type Account ✓
- c. Balance: 500 Balance: 0
- d. Balance: 1000 Balance: 0

The correct answer is: Compilation Error: The method checkCompany() is undefined for the type Account

Question 31

Correct

Mark 1.00 out of
1.00

What will be the output of the following Java code?

```
public class ApplicationTester {  
    public static void main(String[] args) {  
        int [] array1 = {10,20,30,40,50};  
        int [] array2 = array1;  
        for(int index1=0,index2=3; index2<array2.length&&index1<array1.length; index1++,++index2)  
        {  
            array1[index1]++;  
            System.out.print(array2[index2]+ " ");  
        }  
    }  
}
```

Select one:

- a. Array Index Out Of Bounds Exception
- b. 0 0
- c. 40 50 ✓
- d. 41 51

The correct answer is: 40 50

Question 32

Correct

Mark 1.00 out of
1.00

Which is the CORRECT SQL Query to display names of employees which has only 3 letters that starts with 'A' and ends with 'e'? Choose most appropriate option.

Select one:

- a. SELECT EmployeeName FROM Employee WHERE EmployeeName LIKE '_e';
- b. SELECT EmployeeName FROM Employee WHERE EmployeeName LIKE 'A_e'; ✓
- c. SELECT EmployeeName FROM Employee WHERE EmployeeName LIKE 'A%e';
- d. SELECT EmployeeName FROM Employee WHERE EmployeeName = 'A_e';

The correct answer is: SELECT EmployeeName FROM Employee WHERE EmployeeName LIKE 'A_e';

Question 33

Correct

Mark 1.00 out of
1.00

Consider the following tables:

Vendor (VendorId, VendorName, PhoneNumber).

Here VendorId is the primary key.

Item (ItemCode, UnitPrice, QuantityOnHand, VendorId)

Here ItemCode is the primary key and VendorId is the foreign key referencing the VendorId in Vendor Table.

Which is the CORRECT SQL query to display ItemCode, UnitPrice, VendorName for all Items. It should also display the details of the Item which is not having any vendor?

Choose most appropriate option

Select one:

- a. SELECT Item.ItemCode,Item.UnitPrice,Vendor.VendorName FROM Item INNER JOIN Vendor ON Item.VendorId = Vendor.VendorId;
- b. SELECT Item.ItemCode,Item.UnitPrice,Vendor.VendorName FROM Item LEFT OUTER JOIN Vendor ON Item.VendorId = Vendor.VendorId; ✓
- c. SELECT Item.ItemCode,Item.UnitPrice,Vendor.VendorName FROM Item INNER JOIN Vendor ON Item.VendorId = Vendor.VendorId AND Item.VendorId IS NULL;
- d. SELECT Item.ItemCode,Item.UnitPrice,Vendor.VendorName FROM Item, Vendor WHERE Item.VendorId = Vendor.VendorId;

The correct answer is: SELECT Item.ItemCode,Item.UnitPrice,Vendor.VendorName FROM Item LEFT OUTER JOIN Vendor ON Item.VendorId = Vendor.VendorId;

Question 34

Correct

Mark 1.00 out of
1.00

What would be the output of the SQL statement given below? SELECT SUBSTR("Accenture",3,4) FROM DUAL; Choose most appropriate option.

Select one:

- a. ntur
- b. entu
- c. cent ✓
- d. centu

The correct answer is: cent

Question 35

Correct

Mark 1.00 out of
1.00

Identify the CORRECT SQL statement(s) to remove ONLY the data from "Employee" table?

- (i) DROP TABLE Employee;
 - (ii) DELETE FROM Employee;
 - (iii) TRUNCATE TABLE Employee;
- Choose most appropriate option.

Select one:

- a. Both (i) and (ii)
- b. Both (i) and (iii)
- c. Both (ii) and (iii) ✓
- d. (i), (ii) and (iii)

The correct answer is: Both (ii) and (iii)

Question 36

Correct

Mark 1.00 out of
1.00

Identify the CORRECT SQL statement to create a Account table with composite primary key (AccountNumber, CustomerId). Choose most appropriate option

Select one:

- a. CREATE TABLE Account (AccountNumber Number(5) CONSTRAINT Acc_Pkey1 PRIMARY KEY, CustomerId Number(10) CONSTRAINT Acc_Pkey2 PRIMARY KEY, OpeningDate Date, Balance Number(10,2));
- b. CREATE TABLE Account (AccountNumber Number(5), CustomerId Number(10), OpeningDate Date, Balance Number(10,2), CONSTRAINT Acc_Pkey PRIMARY KEY (AccountNumber,CustomerId)); ✓
- c. CREATE TABLE Account (AccountNumber Number(5), CustomerId Number(10) CONSTRAINT Acc_Pkey2 PRIMARY KEY (AccountNumber,CustomerId), OpeningDate Date, Balance Number(10,2));
- d. CREATE TABLE Account (AccountNumber Number(5), CustomerId Number(10), OpeningDate Date, Balance Number(10,2), CONSTRAINT Acc_Pkey COMPOSITE PRIMARY KEY (AccountNumber,CustomerId));

Your answer is correct.

The correct answer is: CREATE TABLE Account (AccountNumber Number(5), CustomerId Number(10), OpeningDate Date, Balance Number(10,2), CONSTRAINT Acc_Pkey PRIMARY KEY (AccountNumber,CustomerId));

Question 37

Correct

Mark 1.00 out of
1.00

Consider table Customer(cid NUMBER(4), cname VARCHAR2(10)) is created in the database and has no records. Refer to the below statements.

```
COMMIT;  
INSERT INTO Customer VALUES(101,'John');  
INSERT INTO Customer VALUES(102,'James');  
DELETE FROM Customer WHERE cid=101;  
INSERT INTO Customer VALUES(103,'Mark');  
ROLLBACK;  
COMMIT;
```

How many records will be available in the customer table if the above statements are executed in sequential order. Choose the most appropriate option.

Select one:

- a. 3
- b. 1
- c. 0 ✓
- d. 2

Your answer is correct.

The correct answer is: 0

Question 38

Correct

Mark 1.00 out of
1.00

Refer the incomplete code given below.

```
<style>
  #firstname {
    background-color: yellow;
    color:red;
  }
</style>

<input type=text <strong>__Blank1__</strong>='firstname'>
```

Choose the CORRECT attribute which if replaces '__Blank1__' will apply the CSS to text box.

Choose most appropriate option.

Select one:

- a. style
- b. styleclass
- c. class
- d. id ✓

Your answer is correct.

The correct answer is: id

Question 39

Correct

Mark 1.00 out of
1.00

which of the following code creates a list box from which user can select more than one option?

Select one:

- a. <select name='type' multiple>
<option> P </option>
<option> G </option>
<option> S </option>
</select> ✓
- b. <select type=multiValue>
<option> P </option>
<option> G </option>
<option> S </option>
</select>
- c. <select type=multiple>
<option> P </option>
<option> G </option>
<option> S </option>
</select>
- d. <select name='type' multiValue>
<option> P </option>
<option> G </option>
<option> S </option>
</select>

Your answer is correct.

The correct answer is: <select name='type' multiple>
<option> P </option>
<option> G </option>
<option> S </option>
</select>

Question 40

Correct

Mark 1.00 out of 1.00

Which attribute of the form specifies the name of the web page on the server which will process the form after submission? Choose most appropriate option.

Select one:

- a. method
- b. name
- c. url
- d. action ✓

The correct answer is: action

Question 41

Correct

Mark 1.00 out of 1.00

What would be the Output of the below java script Code?

```
<html> <body>
<script>
var x = 5; var d = (x != "5");
document.write(d + "--");
d = (x === "5"); document.write(d);
</script> </body>
</html>
```

Choose most appropriate option.

Select one:

- a. false--false ✓
- b. true--false
- c. true--true
- d. false--true

The correct answer is: false--false

Question 42

Correct

Mark 1.00 out of 1.00

Refer the incomplete HTML code given below.

```
<input type="text" name="firstname" __Blank1__ = "5" />
```

It is required to restrict the maximum number of characters being entered in the above text box to 5. From the given option, identify the CORRECT option which can replace "__Blank1__" to meet the above requirement. Choose most appropriate option.

Select one:

- a. size
- b. length
- c. maxsize
- d. maxlength ✓

The correct answer is: maxlength

Question 43

Correct

Mark 1.00 out of
1.00

What would be the output of the Javascript code given below?

```
<html>
<body>
<script>
var num1=100;
function test(){
    num2=200;
    var num1=300;
    num1=num2;
}
test();
document.write(num1 +"-"+num2);
</script>
</body>
</html>
```

Select one:

- a. 300-200
- b. 300-100
- c. 100-200 ✓
- d. 200-200

Your answer is correct.

The correct answer is: 100-200

Question 44

Correct

Mark 1.00 out of
1.00

Steve is learning to draw a flowchart to calculate the volume of a cuboid. Which of the options given below would fit into the process section of the flow chart?

Select one:

- a. check if l,b,h have positive value
- b. display the volume of the cuboid
- c. Read the value of l,b,h(l represents the length, b represents the breadth, h represents the height)
- d. Volume=l*b*h ✓

Your answer is correct.

The correct answer is: Volume=l*b*h

Question 45

Correct

Mark 1.00 out of
1.00

Order the range of coupling from high to low

- a. control coupling
- b. stamp coupling
- c. content coupling
- d. uncoupled
- e. common coupling
- f. data coupling

Select one:

- a.
c , a, b, f, e, d
- b.
c , e , a, b, f, d ✓
- c.
c , e , a, f , b, d
- d.
d, c , e , a, b, f

Your answer is correct.

The correct answer is:

c , e , a, b, f, d

Question 46

Correct

Mark 1.00 out of
1.00

Carefully read the question and answer accordingly. Find which list is not related to stacks?

Select one:

- a. Last In First Out
- b. None of the options.
- c. Push-down
- d. First in First Out ✓

The correct answer is: First in First Out

Question 47

Correct

Mark 1.00 out of
1.00

Carefully read the question and answer accordingly. One of the best application of Stack is

Select one:

- a. Radix sort
- b. Array
- c. Recursion ✓
- d. Breadth First Search

The correct answer is: Recursion

Question 48

Correct

Mark 1.00 out of 1.00

Carefully read the question and answer accordingly. Which of the following options are correct?

Select one or more:

- a. None of the options.
- b. A tree which does not have any node other than root node has depth of zero. ✓
- c. A tree which does not have any node other than root node is called a null tree ✓
- d. A tree with n nodes has exactly n branches or degree.

The correct answers are: A tree which does not have any node other than root node is called a null tree, A tree which does not have any node other than root node has depth of zero.

Question 49

Correct

Mark 1.00 out of 1.00

Which algorithm is the best sorting method in-place with no quadratic worst-case scenarios?

Select one:

- a. Bubble Sort
- b. Selection Sort
- c. Quick Sort
- d. Heap Sort ✓

The correct answer is: Heap Sort

Question 50

Incorrect

Mark 0.00 out of 1.00

What is the time complexity of these functions?

```
int fact(int i)
{
    if(i<=1)
        return i;
    return 2*fact(i-1);
}

int fact2(int i)
{
    if(i<=1)
        return i;
    return fact2(i-1) + fact2(i-1);
}
```

Select one:

- a. O(n) for both fact() and fact2()
- b. O(2^n) for fact() and O(n) for fact2() ✗
- c. O(n) for fact() and O(2^n) for fact2()
- d. O(2^n) for both fact() and fact2()

The correct answer is: O(n) for fact() and O(2^n) for fact2()

The employee tables contains EmployeeId,EmployeeName and DeptCode Columns. Which is the CORRECT SQL query to display the EmployeeId and EmployeeName of employees who are working in DeptCode 10 OR 20?

- (i) SELECT EmployeeId,EmployeeName FROM Employee WHERE DeptCode IN (10,20);
(ii) SELECT EmployeeId,EmployeeName FROM Employee WHERE DeptCode = 10 OR DeptCode = 20;
Choose most appropriate option.

Select one:

- a. Only (i)
- b. Only (ii)
- c. Neither (i) nor (ii)
- d. Both (i) and (ii)

Question 15

Not yet
answered

Marked out of 1

Flag
question

Assume that table Asset(assetId number(2)) is created and 2 records are already inserted and saved.

```
COMMIT;  
DELETE FROM ASSET;  
ROLLBACK;  
INSERT INTO ASSET VALUES(5);  
COMMIT;
```

What would be the output of the below SQL statement after executing the above statements sequentially.

```
SELECT COUNT(*) FROM Asset;
```

Select one:

- a. 2
- b. 3
- c. 0
- d. 1

Quiz navigation

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What would be the Output of the below java script Code?

```
<html> <body>
<script>
    var x = 5; var d = (x != "5");
    document.write(d + "--");
    d = (x === "5"); document.write(d);
</script> </body>
</html>
```

Choose most appropriate option.

Select one:

- a. false–true
- b. false–false
- c. true–true
- d. true–false

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What will be the output of the following Java code?

```
class Event
{
    static int eventId;
    public static void main(String[] args)
    {
        Event e1=new Event();
        e1.eventId=100;
        Event e2=e1; e2.eventId=200;
        Event e3=new Event();
        System.out.println(e1.eventId+ " "+ e2.eventId + " "+ e3.eventId);
    }
}
```

Choose the most appropriate option.

Select one:

- a. 100 200 200
- b. 100 200 0
- c. 200 200 200
- d. 100 100 100

Type here to search



**Question
5**

Not yet
answered

Marked out of 1

Flag
question

Consider table Item(itemId, category, unitprice). Identify the appropriate SQL statement to display item id and discount in the ascending order of discount. [Note: Discount should be 10% of unitprice] Choose most appropriate option.

Select one:

- a. select itemId, unitprice*0.1 as discount from Item order by discount;
- b. select itemId, unitprice*0.1 as discount from Item order by itemId;
- c. select itemId, discount from Item order by discount;
- d. select itemId, discount=unitprice*0.1 from Item order by discount;

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Next page

Consider the Tables given below:

Product(productId,productName)

ProductOrder(orderId,productId,quantity)

productId column of ProductOrder is a Foreign key referring to Product Table

Identify the appropriate SQL statement which will fetch the productId,productName and orderId for all the Products ordered. If no orders exist for a product, display those product id and productName with value for orderId column as "Yet to be Ordered".

Choose appropriate query for the above requirement.

Select one:

- a. SELECT p1.productId,p1.productName,NVL(p2.orderId,"Yet to be Ordered") FROM Product p1 LEFT OUTER JOIN ProductOrder p2 ON p1.productId=p2.productId;
- b. SELECT p1.productId,p1.productName,NVL(p2.orderId,"Yet to be Ordered") FROM Product p1 INNER JOIN ProductOrder p2 ON p1.productId=p2.productId;
- c. SELECT p1.productId,p1.productName,NVL(p2.orderId,"Yet to be Ordered") FROM Product p1 RIGHT OUTER JOIN ProductOrder p2 ON p1.productId=p2.productId;
- d. SELECT p1.productId,p1.productName,NVL("Yet to be Ordered",p2.orderId) FROM Product p1 LEFT OUTER JOIN ProductOrder p2 ON p1.productId=p2.productId;



Question 6

Not yet
answered

Marked out of 1

Flag
question

Which of the following statement(s) is/are TRUE?

- (i) In a subquery, the inner query is responsible for giving result.
- (ii) In a subquery, the outer query is responsible to display output.

Choose most appropriate option

Select one:

- a. Both (i) and (ii)
- b. Only (i)
- c. Neither (i) nor (ii)
- d. Only (ii)

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```
    }
}

public class SavingsAccount extends Account
{
    public void deposit(int amount)
    {
        System.out.println("Savings Account deposited with: " + amount);
    }
}

public class ApplicationTester
{
    public static void main(String[] args)
    {
        Account account = new SavingsAccount();
        account.transaction();
    }
}
```

Choose the most appropriate option.

Select one:

- a. Account deposited with: 100
- b. Account deposited with: 0
- c. Savings Account deposited with: 100
- d. Savings Account deposited with: 0

**Question
44**

Not yet
answered

Marked out of 1

Flag
question

```
<!DOCTYPE html>
<html>
<body>
<script>
var x = (3 + 3) + 4 + "6"; alert(x); //line 1
</script>
</body>
</html>
```

What will be printed in alert box in line 1? Choose most appropriate option.

Select one:

- a. 3346
- b. 646
- c. 16
- d. 106

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Question

7

Not yet
answered

Marked out of 1

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question

Which of the following statement(s) is/are TRUE?

- (i) In a correlated subquery, the subquery is always executed only once.
(ii) In a correlated subquery, the inner query (sub query) references the column from the outer query (main query).
Choose most appropriate option.

Select one:

- a. Neither (i) nor (ii)
- b. Only (i)
- c. Both (i) and (ii)
- d. Only (ii)

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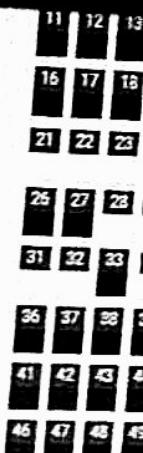
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```
{  
    private void getDetails()  
    {  
        System.out.println("Derived method");  
    }  
    public class Main  
    {  
  
        public static void main(String[] args)  
        {  
            Base obj=new Derived();  
            obj.getDetails();  
        }  
    }  
}
```

Select one:

- a. compilation error ,weaker access privileges
- b. Prints "Derived method"
- c. Prints "Base method"
- d. prints both "Base method" "Derived method"



Finish attempt

Time left 0:07:43

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**Question
18**

Not yet
answered

Marked out of 1

Flag
question

What will be the output of the following Java code?

```
public class Rectangle
{
    private int length;
    private int width;
    public static void main(String[] args)
    {
        Rectangle rectangle1 = new Rectangle();
        rectangle1.length=10;
        rectangle1.width=5;
        Rectangle rectangle2 = rectangle1;
        System.out.println("Length : "+rectangle2.length);
        System.out.println("Width : "+rectangle2.width);
    }
}
```

Choose the most appropriate option.

Select one:

- a. Length : 10 Width : 5
- b. Length: 5 Width: 10
- c. Length : 0 Width : 0
- d. Length : null Width : null

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**Question
15**Not yet
answered

Marked out of 1

Flag
question

Consider a table with the name Project is created using the SQL statement given below

```
CREATE TABLE Project(  
projectid VARCHAR2(10) CONSTRAINT pkey PRIMARY KEY,  
projectname VARCHAR2(10) CONSTRAINT pnull NOT NULL,  
employeecount NUMBER(2) DEFAULT 0);
```

Which of the following statements insert record successfully to the Project table [Choose 2]

Select one or more

- a. INSERT INTO project VALUES(P1,Finance,20);
- b. INSERT INTO project VALUES(P1,Finance,)
- c. INSERT INTO project(projectid,projectname) VALUES(P2,Finance);
- d. INSERT INTO project(projectid,employeecount) VALUES(P3,10);

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Question

4

Not yet
answered

Marked out of 1

Flag
Question

What will be the output of the following Java code?

```
public class OverloadTester
{
    public static void main(String[] args)
    {
        double result = new OverloadTester().add(25, 35);
        System.out.println("Sum is " + result);
    }

    public int add(int number1, int number2)
    {
        return number1 + number2;
    }

    public double add(int number1, int number2)
    {
        return number1 + number2;
    }
}
```



Choose the most appropriate option.

Select one:

- a. Sum is 60.0
- b. Sum is 0
- c. Compilation Error: Duplicate method add(int, int) in type OverloadTester
- d. Sum is 60

Identify the CORRECT SQL statement to create a Account table with composite primary key (AccountNumber, CustomerId). Choose most appropriate option

Select one:

- a. CREATE TABLE Account (AccountNumber Number(5), CustomerId Number(10) CONSTRAINT Acc_Pkey2 PRIMARY KEY (AccountNumber,CustomerId), OpeningDate Date, Balance Number(10,2));
- b. CREATE TABLE Account (AccountNumber Number(5), CustomerId Number(10), OpeningDate Date, Balance Number(10,2), CONSTRAINT Acc_Pkey COMPOSITE PRIMARY KEY (AccountNumber,CustomerId));
- c. CREATE TABLE Account (AccountNumber Number(5), CustomerId Number(10), OpeningDate Date, Balance Number(10,2), CONSTRAINT Acc_Pkey PRIMARY KEY (AccountNumber,CustomerId));
- d. CREATE TABLE Account (AccountNumber Number(5) CONSTRAINT Acc_Pkey1 PRIMARY KEY, CustomerId Number(10) CONSTRAINT Acc_Pkey2 PRIMARY KEY, OpeningDate Date, Balance Number(10,2));

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Next page

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**Question
5**

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What would be the color of the text "Bengaluru" and "India" while executing the below html?
"Black" is the default color if there is no style applied.

```
<html>
  <head>
    <style>
      p{ color:red; } .c1{ color:green; }
    </style>
  </head>
  <body>
    <p> Bengaluru </p> <p class="c1"> India </p>
  </body>
</html>
```

Choose most appropriate option.

Select one:

- a. Bengaluru - Black, India - Black
- b. Bengaluru - Red, India - Black
- c. Bengaluru - Red, India - Green
- d. Bengaluru - Red, India - Red

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**Question
41**

Not yet
answered

Marked out of 1

Flag
question

What would be the Output of the below java script Code?

```
<html> <body>
<script>
  var x = 5; var d = (x != "5");
document.write(d +"\n");
d = (x === "5"); document.write(d);
</script> </body>
</html>
```

Choose most appropriate option.

Select one:

- a. false–false
- b. true–true
- c. true–false
- d. false–true

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Question**7**

Answer saved

Marked out of 1

[Flag question](#)

Which of the following can be created as a table level constraint?

- (i) primary Key
- (ii) foreign key
- (iii) unique

Choose most appropriate option.

Select one:

- a. (i), (ii) and (iii)
- b. (i) and (ii)
- c. (i) only
- d. (i) and (ii).

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Question 36

Not yet
answered

Marked out of 1

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question

What will be the output of the following Java code?

```
class Test extends Throwable {}  
class Base extends Test {}  
public class Main {  
    public static void main(String args[]) {  
        try {  
            throw new Base();  
        }  
        catch(Test t) {  
            System.out.println("Test Exception");  
        }  
        finally {  
            System.out.println("Finally block ");  
        }  
    }  
}
```

Select one:

- a. print - "Test Exception" "Finally block "
- b. Compilation error ; Bass calss can't extends Test
- c. Compilation error: Test Class cant extends Throwable
- d. print-"Test Exception"



DELL

**Question
47**

Not yet
answered

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question

Identify the CORRECT statements with respect to CSS.

- a) CSS is used for giving style for HTML content
 - b) External style sheet can be used only for one HTML page in a website
- Choose most appropriate option.

Select one:

- a. only a
- b. both a and b
- c. neither a nor b
- d. only b



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ure

Refer the incomplete code given below.

```
<style>  
    #firstname {  
        background-color: yellow;  
        color:red;  
    }  
</style>
```

```
<input type=text <strong>_Blank1_</strong>>='firstname'>
```

Choose the CORRECT attribute which if replaces '_Blank1_' will:

Choose most appropriate option.

Select one:

- a. styleclass
- b. id
- c. style
- d. class



DELL

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Identify the CORRECT statements with respect to CSS.

- a) CSS is used for giving style for HTML content
 - b) External style sheet can be used only for one HTML page in a website
- Choose most appropriate option.

Select one:

- a. only b
- b. both a and b
- c. neither a nor b
- d. only a

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Analyse the following pseudo code and identify the CORRECT output.

Note: Assume that the input given for Basic is 12000 and Allowances is 3000

1. Input Basic, Allowances
2. Gross_Salary = Basic + Allowances
3. If (Gross_Salary > 10000) then
4. Tax = 0.1 * Gross_Salary
5. Net_Salary = Gross_Salary - Tax
6. else
7. Net_Salary = Gross_Salary
8. end-if
9. display Net_Salary

Choose the most appropriate option.

Select one:

- a. 15000
- b. 13500
- c. 14985
- d. 14000

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```
{  
    Employee.count = 101;  
}  
public Employee()  
{  
    Employee.count = 201;  
}  
public static int getCount()  
{  
    return Employee.count;  
}  
public class ApplicationTester  
{  
    public static void main(String[] args)  
    {  
        Employee emp = new Employee();  
        System.out.println(emp.getCount());  
    }  
}
```

Choose the most appropriate option.

Select one:

- a. 0
- b. null
- c. 101
- d. 201

Type here to search



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**Question
32**Not yet
answered

Marked out of 1

Flag
question

What will be the output of the following Java code?

```
public class IfTester
{
    public static void main(String[] args)
    {
        int number1 = 10, number2;
        if(number1 == 10)
        {
            number2 = 20;
        }
        if (number1 != 10)
        {
            number2 = 30;
        }
        System.out.println("Number2 :" + number2);
    }
}
```

Choose the most appropriate option.

Select one:

- a. Compilation Error: The local variable number2 may not have been initialized
- b. Number2 :30
- c. Number2 :20
- d. Number2 :0

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e

Identify the appropriate relationship between the classes House and Room. Assume that getter and setter methods for all instance variables are implemented

```
class Room
{
    private int length;
    private float width;
}

class House
{
    private float area;
    private Room room;
    public House()
    {
        room=new Room();
    }
}
```

Choose the most appropriate option

Select one:

- a. Specialization
- b. Composition
- c. Aggregation
- d. No relationship exists between class House and class Room

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Question 28

Not yet
answered

Marked out of 1

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question

What will be the output of the following Java code?

```
public class MyClass
{
    public static void main (String[] args)
    {
        int value1=33;
        int value2=-value1;
        int value3=value1++;
        System.out.println(value1+" "+value2+" "+value3);
    }
}
```

Choose the most appropriate option.

Select one:

- a. 32 32 32
- b. 32 32 33
- c. 33 32 32
- d. 32 33 32

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6/4/2020**Question
41**Not yet
answered

Marked out of 1

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question

Identify the CORRECT HTML code to define the state of the hyperlink. The requirement is to display the hyperlink "Click" in RED color if user has already visited "https://portal.accenture.com". Choose most appropriate option.

Select one:

- a. <html>
<body>
 Click
</body>
</html>
- b. <html>
<body link="red" >
 Click
</body>
</html>
- c. <html>
<body vlink="red" >
Click
</body>
</html>
- d. <html>
<body>
 Click
</body>
</html>

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Question
1
Not yet
answered
Marked out of 1
Flag
question

Consider the table Student(StudentId, StudentName, Email, PercentageOfMarks). Which is the CORRECT query to display the details in the ascending order (lowest to highest) of PercentageOfMarks and in the descending order of StudentId in case PercentageOfMarks is the same. Choose most appropriate option

Select one:

- a. SELECT StudentId, StudentName, Email, PercentageOfmarks FROM Student ORDER BY PercentageOfMarks, StudentId DESC;
- b. SELECT StudentId, StudentName, Email, PercentageOfmarks FROM Student ORDER BY PercentageOfMarks DESC, StudentId;
- c. SELECT StudentId, StudentName, Email, PercentageOfmarks FROM Student ORDER BY PercentageOfMarks DESC, StudentId DESC;
- d. SELECT StudentId, StudentName, Email, PercentageOfmarks FROM Student ORDER BY StudentId DESC, PercentageOfMarks;

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Consider table Customer(cid NUMBER(4), cname VARCHAR2(10)) is created in the database and has no records. Refer to the below statements.

COMMIT;

INSERT INTO Customer VALUES(101,'John');

INSERT INTO Customer VALUES(102,'James');

DELETE FROM Customer WHERE cid=101;

INSERT INTO Customer VALUES(103,'Mark');

ROLLBACK;

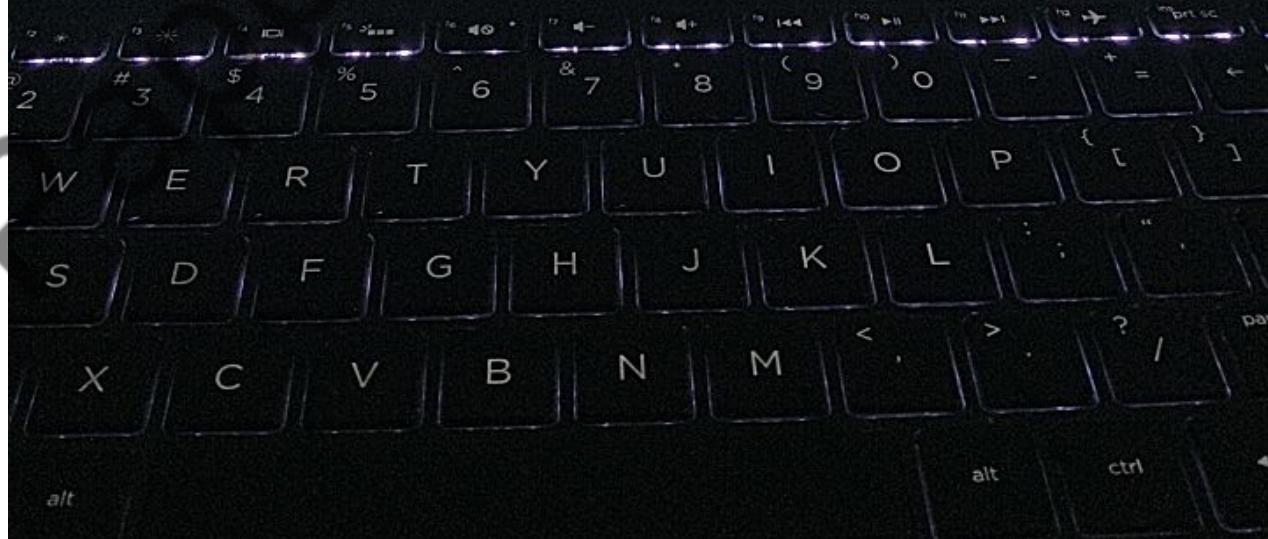
COMMIT;

How many records will be available in the customer table if the above statements are executed in sequential order. Choose the most appropriate option.

Select one:

- a. 2
- b. 1
- c. 0
- d. 3

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**Question
10**

Not yet
answered

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question

Which of the following SQL query will not be executed successfully? Assume all the column names and table name given here are correct. Choose the most appropriate option.

Select one:

- a. SELECT deptno,ename FROM emp WHERE empno > 100 group by ename,deptno;
- b. SELECT deptno FROM emp GROUP BY deptno,job;
- c. SELECT ename FROM emp ORDER by ename,job GROUP BY ename;

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Consider the following tables:

Vendor (VendorId, VendorName, PhoneNumber). Here VendorId is the primary key.

Item (ItemCode, UnitPrice, QuantityOnHand, VendorId) Here ItemCode is the primary key and VendorId is the foreign key referencing the VendorId in Vendor Table.

Which is the CORRECT SQL query to display ItemCode, UnitPrice, VendorName for all items. It should also display the details of the item which is not having any vendor?

Choose most appropriate option

Select one:

- a. SELECT Item.ItemCode, Item.UnitPrice, Vendor.VendorName FROM Item INNER JOIN Vendor ON Item.VendorId = Vendor.VendorId;
- b. SELECT Item.ItemCode, Item.UnitPrice, Vendor.VendorName FROM Item INNER JOIN Vendor ON Item.VendorId = Vendor.VendorId AND Item.VendorId IS NULL;
- c. SELECT Item.ItemCode, Item.UnitPrice, Vendor.VendorName FROM Item, Vendor WHERE Item.VendorId = Vendor.VendorId;
- d. SELECT Item.ItemCode, Item.UnitPrice, Vendor.VendorName FROM Item LEFT OUTER JOIN Vendor ON Item.VendorId = Vendor.VendorId;

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Consider table Students(sid NUMBER(3),sname VARCHAR2(10),scontact NUMBER(10)) is already created in the database.

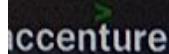
It is required to change the data type of the column "scontact" to VARCHAR2(15).

Which of the following is Correct for the above requirement?

Note: sid column is primary key. Choose most appropriate option.

Select one:

- a. To change the data type of a column, it is important to ensure that the corresponding column is not having data for any of the record
- b. There are no criteria to be followed. We can change the datatype of the column irrespective of the data
- c. It is not possible to change the data type of a column
- d. Data type can be changed only for primary key column



Question 32

Not yet

answered

Marked out of 1

Flag
question

What will be the output of the following Java code?

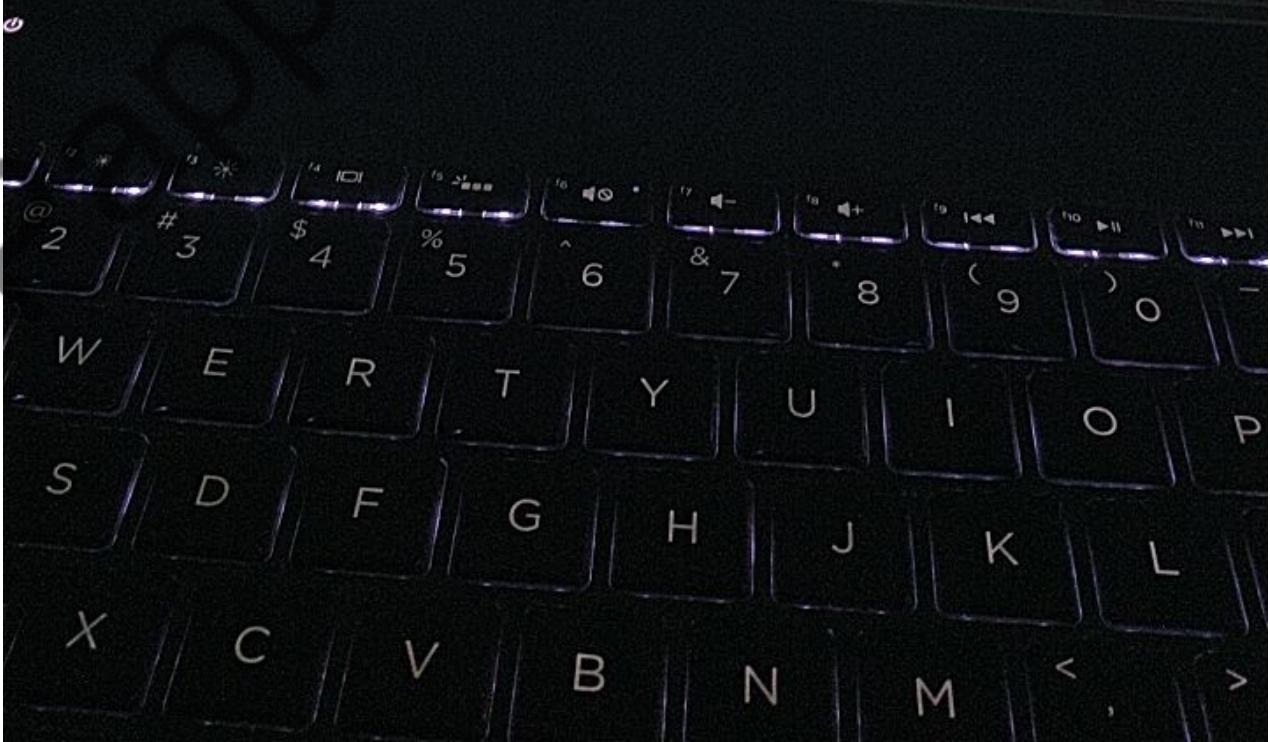
```
public class IfTester
{
    public static void main(String[] args)
    {
        int number1 = 10, number2;
        if(number1 == 10)
        {
            number2 = 20;
        }
        if (number1 != 10)
        {
            number2 = 30;
        }
        System.out.println("Number2 :" + number2);
    }
}
```

Choose the most appropriate option.

Select one:

- a. Compilation Error: The local variable number2 may not have been initialized
- b. Number2 :30
- c. Number2 :20
- d. Number2 :0

Type here to search



What would be the color of the text "Bengaluru" and "India" while executing the below html and css code? Assume that "Black" is the default color if there is no style applied.

```
<html>
<head>
<style>
p{ color:red; } .c1{ color:green; }
</style>
</head>
<body>
<p> Bengaluru </p> <p class="c1"> India </p>
</body>
</html>
```

Choose most appropriate option.

Select one:

- a. Bengaluru - Black, India - Black
- b. Bengaluru - Red, India - Black
- c. Bengaluru - Red, India - Green
- d. Bengaluru - Red, India - Red

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Next page



Which method is used to remove focus from the specified object? Choose most appropriate option.

Select one:

- a. onclick()
- b. onsubmit()
- c. onblur()
- d. onfocus()

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Question 17

Not yet
answered

Marked out of 1

Flag
question

If Employee class is created inside com.test package, what could be the first line in class? Choose most appropriate option.

Select one:

- a. package com.test
- b. class Employee{}
- c. packages com.test
- d. package com.test.Employee

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Not yet
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Flag question

```
class Base
{
    protected void getDetails()
    {
        System.out.println("Base method");
    }
}
class Derived extends Base
{
    private void getDetails()
    {
        System.out.println("Derived method");
    }
}
public class Main
{

    public static void main(String[] args)
    {
        Base obj=new Derived();
        obj.getDetails();
    }
}
```

Select one:

- a. compilation error :weaker access privileges
- b. prints both "Base method" "Derived method"
- c. Prints "Derived method"
- d. Prints "Base method"



DELL

```
public static int getCount()
{
    return count;
}
}

public class StaticTester
{
    public static void main(String[] args)
    {
        MyClass ref1 = new MyClass();
        MyClass ref2 = new MyClass();
        System.out.println(ref1.getCount());
    }
}
```

Choose the most appropriate option.

Select one:

- a. 2
- b. Compilation error at Line-2: Duplicate variable 'count'
- c. 102
- d. Compilation error at Line-1: Invalid variable reference 'MyClass.count'



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Type here to search



```
return super.country; //Line 12
}
}

public class AustralianDollar extends Currency
{
    public String getC(int x)
    {
        return super.getC();
    }

    public static void main(String[] args)
    {
        System.out.print(new JapeneseYen().getC() + " " + new Austri
    }
}
```

Choose most appropriate option.

Select one:

- a. Compilation fails due to an error on line 12 ";country is no
- b. null null
- c. null Canada
- d. Canada Canada
- e. Canada null



**Question
43**

Not yet
answered

Marked out of 1

Flag
question

Which of the following is not a method of document object? Choose most appropriate option.

Select one:

- a. getElementByTagName(String)
- b. print(String)
- c. write(String)
- d. getElementById(String)

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**Question
6**

Not yet
answered

Marked out of 1

Flag
question

Given a table Projects, which of the following SQL queries will display records that contains Sub-String "SAP" anywhere in the ProjectName ? Choose most appropriate option.

Select one:

- a. SELECT * FROM Projects WHERE ProjectName LIKE '%SAP';
- b. SELECT * FROM Projects WHERE ProjectName = '%SAP%';
- c. SELECT * FROM Projects WHERE ProjectName LIKE "%SAP%";
- d. SELECT * FROM Projects WHERE ProjectName LIKE 'SAP%';

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Next page

**Question
4**

Not yet
answered

Marked out of 1

Flag
question

The employee table contains EmployeeNumber, EmployeeName, Salary and DeptCode Columns. Which is the CORRECT SQL query to display DeptCode and average salary of each Department? Choose most appropriate option.

Select one:

- a. SELECT DeptCode,avg(salary) FROM Employee;
- b. SELECT DeptCode,avg(salary) FROM Employee GROUP BY Salary;
- c. SELECT DeptCode,avg(salary) FROM Employee GROUP BY EmployeeNumber;
- d. SELECT DeptCode,avg(salary) FROM Employee GROUP BY DeptCode;

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Consider the Javascript code given below. What would be the print values from line 1 and line 2 on execution?

```
<html>
<body>
<p id="id1"></p><!-- line 1-->
<p id="id2"></p><!-- line 2-->
<script>
var y=10;
myFunction();
document.getElementById("id1").innerHTML = y;
document.getElementById("id2").innerHTML = window.y;
function myFunction() {
y=20;
y=y+window.y
}
</script>
</body>
</html>
```

Select one

- a. 10 10
- b. 40 40
- c. 10 40
- d. 10 30

Question 39

Not yet
answered

Marked out of 1

Flag
question

Assume abc.html is existing and a valid HTML page. Refer the code below:

```
<form action="abc.html">  
First Name: <input type="text"/><br/>  
Last Name: <input type="text"/><br/>  
Password: <input type="hidden"/><br/>  
<input type="submit" value="Submit"/>  
</form>
```

How many HTML controls will be displayed on the browser, when the above page is run on browser? Choose most appropriate option

Select one:

- a. 4
- b. 3
- c. 5
- d. 7

0

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Question 45

Not yet
answered

Marked out of 1

Flag
question

Which of the following statements is TRUE for CSS?

- A. An external style sheet is ideal when the style is applied to many pages
 - B. An inline style created for a html tag can be reused for other tags in same page.
- Choose most appropriate option.

Select one:

- a. Only B
- b. Neither A nor B
- c. Both A and B
- d. Only A

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**Question
14**

Not yet
answered

Marked out of 1

 Flag
question

Consider a table with the name Project is created using the SQL statement given below

```
CREATE TABLE Project(  
    projectid VARCHAR2(10) CONSTRAINT pkey PRIMARY KEY,  
    projectname VARCHAR2(10) CONSTRAINT pnull NOT NULL,  
    employeecount NUMBER(2) DEFAULT 0);
```

Which of the following statements insert record successfully to the Project table [Choose 2]

Select one or more:

- a. INSERT INTO project VALUES('P1','Finance',20);
- b. INSERT INTO project VALUES('P1','Finance');
- c. INSERT INTO project(projectid,projectname) VALUES('P2','Finance');
- d. INSERT INTO project(projectid,employeecount) VALUES('P3',10);

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Question
5

Not yet
answered

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question

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Assume that table Project is created using the DDL statement given below and has no records.

CREATE TABLE Project(projectId VARCHAR2(4) CONSTRAINT proj_pk PRIMARY KEY,
projectName VARCHAR2(10) DEFAULT 'NA' CONSTRAINT proj_nn NOT NULL);

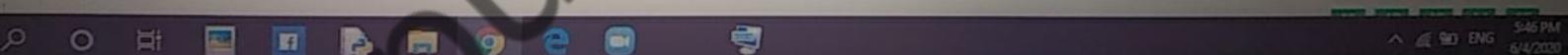
Identify the INSERT statements which would successfully insert record into Project table. Choose two most appropriate options.

Select one or more:

- a. INSERT INTO project(projectId, projectName) VALUES('P3', Null);
- b. INSERT INTO project VALUES('P1');
- c. INSERT INTO project(projectId) VALUES('P2');
- d. INSERT INTO project(projectName,projectId) VALUES('NA','P4');

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In HTML, Which of the following is used to merge columns in a table? Choose most appropriate option.

Select one:

- a. colspan
- b. columnspan
- c. columns-span
- d. cspan

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**Question
40**Not yet
answered

Marked out of 1

 Flag
question

which of the following code creates a list box from which user can select more than one option?

Select one:

- a. <select type=multiple>
<option> P </option>
<option> G </option>
<option> S </option>
</select>
- b. <select name='type' multiple>
<option> P </option>
<option> G </option>
<option> S </option>
</select>
- c. <select type=multiValue>
<option> P </option>
<option> G </option>
<option> S </option>
</select>
- d. <select name='type' multiValue>
<option> P </option>
<option> G </option>
<option> S </option>
</select>

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Accenture help group
+91 76840 81403: cant find
getting error/ stuck in
Go to Settings > WhatsApp
com/outline/WhatsApp/WhatsApp

What would be the output of the following Java Script?

```
<html>
<body>
<script>
var key1=1; document.write(typeof(key1) + " ");
var key2=null; document.write(typeof(key2));
</script>
</body>
</html>
```

Choose most appropriate option.

Select one:

- a. number object
- b. number undefined
- c. int object
- d. int undefined



Quiz (page 2 of 50) x

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Indraganti Meghana

Question 2

Not yet answered
Marked out of 1
 Flag question

Consider the table Student(StudentId, StudentName, Email, PercentageOfMarks). Which is the CORRECT query to display the details in the ascending order (lowest to highest) of PercentageOfMarks and in the descending order of StudentId in case PercentageOfMarks is the same. Choose most appropriate option

Select one:

a. SELECT StudentId, StudentName, Email, PercentageOfmarks FROM Student ORDER BY PercentageOfMarks DESC, StudentId;
 b. SELECT StudentId, StudentName, Email, PercentageOfmarks FROM Student ORDER BY PercentageOfMarks DESC, StudentId DESC;
 c. SELECT StudentId, StudentName, Email, PercentageOfmarks FROM Student ORDER BY StudentId DESC, PercentageOfMarks;
 d. SELECT StudentId, StudentName, Email, PercentageOfmarks FROM Student ORDER BY PercentageOfMarks, StudentId DESC;

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**Question
20**

Not yet
answered

Marked out of 1

Flag
question

Which of the following statement/s is/are TRUE?

- (1) Abstract method can have body
- (2) Abstract class cannot be instantiated
- (3) Abstract class can have constructor

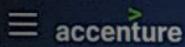
Choose the most appropriate option.

Select one:

- a. Both (1) and (3) are TRUE
- b. Only (2) is TRUE
- c. Both (1) and (2) are TRUE
- d. Both (2) and (3) are TRUE

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Not yet
answered

Marked out of 1

Flag
question

```
{  
    private String country = "Canada";  
    public String getC()  
    {  
        return country;  
    }  
}  
class JapaneseYen extends Currency  
{  
    public String getC()  
    {  
        return super.country; //Line 12  
    }  
}  
public class AustralianDollar extends Currency  
{  
    public String getC(int x)  
    {  
        return super.getC();  
    }  
    public static void main(String[] args)  
    {  
        System.out.print(new JapaneseYen().getC() + " " + new AustralianDollar().getC());  
    }  
}
```

Choose most appropriate option.

Select one:

- a. Canada null
- b. Canada Canada
- c. null null
- d. Compilation fails due to an error on line 12 "country is not visible".
- e. null Canada



Type here to search



Question 44

Not yet
answered

Marked out of 1

Flag
question

```
<!DOCTYPE html>
<html>
<body>
<script>
var x = (3 + 3) + 4 + "6"; alert(x); //line 1
</script>
</body>
</html>
```

What will be printed in alert box in line 1? Choose most appropriate option.

Select one:

- a. 646
- b. 3346
- c. 106
- d. 16

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Question 2

Answer saved

Marked out of 1

Flag
question

Which is the CORRECT SQL Query to display names of employees which has only 3 letters that starts with 'A' and ends with 'e'? Choose most appropriate option.

Select one:

- a. SELECT EmployeeName FROM Employee WHERE EmployeeName = 'A_e';
- b. SELECT EmployeeName FROM Employee WHERE EmployeeName LIKE 'A_e';
- c. SELECT EmployeeName FROM Employee WHERE EmployeeName LIKE 'A%e';
- d. SELECT EmployeeName FROM Employee WHERE EmployeeName LIKE '_e';

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Question 2

Not yet
answered

Marked out of 1

Flag
question

The employee tables contains EmployeeId,EmployeeName and DeptCode Columns. Which is the CORRECT SQL query to display the EmployeeId and EmployeeName of employees who are working in DeptCode 10 OR 20?

- (i) SELECT EmployeeId,EmployeeName FROM Employee WHERE DeptCode IN (10,20);
- (ii) SELECT EmployeeId,EmployeeName FROM Employee WHERE DeptCode = 10 OR DeptCode = 20;

Choose most appropriate option.

Select one:

- a. Neither (i) nor (ii)
- b. Only (i)
- c. Only (ii)
- d. Both (i) and (ii)

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n:

Identify the CORRECT SQL statement to create a table with composite primary key. Choose most appropriate option.

Select one:

- a. CREATE TABLE Account (AccountNumber Number(5), CustomerId Number(10), OpeningDate Date, Balance Number(10,2), CONSTRAINT Acc_Pkey COMPOSITE PRIMARY KEY (AccountNumber,CustomerId));
- b. CREATE TABLE Account (AccountNumber Number(5), CustomerId Number(10), OpeningDate Date, Balance Number(10,2), CONSTRAINT Acc_Pkey PRIMARY KEY (AccountNumber,CustomerId));
- c. CREATE TABLE Account (AccountNumber Number(5) CONSTRAINT Acc_Pkey1 PRIMARY KEY, CustomerId Number(10) CONSTRAINT Acc_Pkey2 PRIMARY KEY, OpeningDate Date, Balance Number(10,2));
- d. CREATE TABLE Account (AccountNumber Number(5), CustomerId Number(10) CONSTRAINT Acc_Pkey2 PRIMARY KEY (AccountNumber,CustomerId), OpeningDate Date, Balance Number(10,2));

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**Question
20**Not yet
answered

Marked out of 1

Flag
question

Identify the relationship between the class Patient and class Doctor which are given below.

```
public class Patient
{
    private String name;
    //getter and setter methods
}

public class Doctor
{
    private String name;
    private String specialization;
    //getter and setter methods
    public void treatPatient(Patient patient)
    {
        //valid Java code
    }
}
```

Choose the most appropriate option.

Select one:

- a. Inheritance
- b. Aggregation
- c. No relationship exists between Doctor class and Patient class
- d. Composition

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tion

Consider the Tables given below:

Product(productId,productName)

ProductOrder(orderId,productId,quantity)

productId column of ProductOrder is a Foreign key referring to Product Table.

Identify the appropriate SQL statement which will fetch the productId,productName and orderId for all the Products ordered. If no orders exist for a product, display those product id and productName with value for orderId column as "Yet to be Ordered".

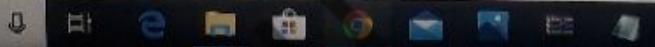
Choose appropriate query for the above requirement.

Select one:

- a. SELECT p1.productId,p1.productName,NVL(p2.orderId,'Yet to be Ordered') FROM Product p1 RIGHT OUTER JOIN ProductOrder p2 ON p1.productId=p2.productId;
- b. SELECT p1.productId,p1.productName,NVL(p2.orderId,'Yet to be Ordered') FROM Product p1 LEFT OUTER JOIN ProductOrder p2 ON p1.productId=p2.productId;
- c. SELECT p1.productId,p1.productName,NVL('Yet to be Ordered',p2.orderId) FROM Product p1 LEFT OUTER JOIN ProductOrder p2 ON p1.productId=p2.productId;
- d. SELECT p1.productId,p1.productName,NVL(p2.orderId,'Yet to be Ordered') FROM Product p1 INNER JOIN ProductOrder p2 ON p1.productId=p2.productId;

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State True/False?

The names of the foreign key field and the referenced field(in parent table) may be same or different, but must have the same data type.

Select one:

- a. True
- b. False

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Pappu Career Guide

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g.tekstac.com/mod/quiz/attempt.php?attempt=2450410&cmid=4140&page=5

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Question 6

Not yet
answered
Marked out of 1
 Flag question

Consider table Item(itemid, category, unitprice). Identify the appropriate SQL statement to display item id and discount in the ascending order of discount. [Note: Discount should be 10% of unitprice] Choose most appropriate option.

Select one:

- a. select itemid, discount from Item order by discount;
- b. select itemid, discount=unitprice*0.1 from Item order by discount;
- c. select itemid, unitprice*0.1 as discount from Item order by itemid;
- d. select itemid, unitprice*0.1 as discount from Item order by discount;

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Question 1

Not yet
answered

Marked out of 1

Flag
question

Identify the CORRECT SQL statement(s) to remove ONLY the data from "Employee" table?

- (i) DROP TABLE Employee;
- (ii) DELETE FROM Employee;
- (iii) TRUNCATE TABLE Employee;

Choose most appropriate option.

Select one:

- a. Both (ii) and (iii)
- b. Both (i) and (iii)
- c. (i), (ii) and (iii)
- d. Both (i) and (ii)

Question 13

Not yet
answered

Marked out of 1

Flag
question

Consider Project table given below.

PROJECTID EMPLOYEEID

PROJECTID	EMPLOYEEID
1	10
2	11
1	13

Identify the correct SQL statement to display the projectId which has more than one employee.

Select one:

- a. SELECT DISTINCT projectId FROM project WHERE projectId IN(SELECT projectId FROM project HAVING COUNT(employeeId)>1);
- b. SELECT DISTINCT projectId FROM project WHERE projectId IN(SELECT projectId FROM project GROUP BY projectId HAVING COUNT(employeeId)>1);
- c. SELECT DISTINCT projectId FROM project WHERE projectId IN(SELECT projectId FROM project WHERE COUNT(employeeId)>1);
- d. SELECT DISTINCT projectId FROM project WHERE projectId IN(SELECT projectId FROM project GROUP BY projectId WHERE COUNT(employeeId)>1);

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Consider the table employee(empname,salary) with some records. Identify a correct SQL statement to retrieve unique combination of empname and salary. Choose most appropriate option.

Select one:

- a. select distinct empname,salary from employee;
- b. select empname,distinct salary from employee;
- c. select empname,salary from employee;
- d. select distinct empname,distinct salary from employee;

Next page

Consider the table Products(pid,pname,pcost). Identify the appropriate SQL statement to rename the table to ProductsInfo . Choose most appropriate option.

Select one:

- a. ALTER TABLE Products RENAME ProductsInfo;
- b. ALTER TABLE Products UPDATE TO ProductsInfo;
- c. ALTER TABLE Products RENAME TO ProductsInfo;
- d. ALTER TABLE RENAME Products TO ProductsInfo;

Consider the below tables.

Event(eventId,eventName) – eventId is primary key

Employee(empId, empName, eventId) – empId is primary key and eventId is foreign key referring to Event table.

Identify the correct SQL statement to retrieve empid, empname and eventName for all employees. If employee has not registered for an event then it should display 'Not Registered'.

Select one:

- a. `SELECT e1.empId, e1.empName, NVL(e2.eventName,'Not Registered') FROM event e2 LEFT OUTER JOIN employee e1 ON e2.eventId=e1.eventId;`
- b. `SELECT e1.empId, e1.empName, NVL(e2.eventName,'Not Registered') FROM employee e1 LEFT OUTER JOIN event e2 ON e1.eventId=e2.eventId;`
- c. `SELECT e1.empId, e1.empName, NVL(e2.eventName,'Not Registered') FROM employee e1 RIGHT OUTER JOIN event e2 ON e1.eventId=e2.eventId;`
- d. `SELECT e1.empId, e1.empName, NVL(e2.eventName,'Not Registered') FROM event e2 INNER JOIN employee e1 ON e2.eventId=e1.eventId;`

Question 24

Not yet
answered

Marked out of 1

Flag
question

What will be the output of the following Java code?

```
public class OverloadTester
{
    public static void main(String[] args)
    {
        double result = new OverloadTester().add(25, 35);
        System.out.println("Sum is " + result);
    }
    public int add(int number1, int number2)
    {
        return number1 + number2;
    }
    public double add(int number1, int number2)
    {
        return number1 + number2;
    }
}
```

Choose the most appropriate option.

Select one:

- a. Sum is 60.0
- b. Sum is 0
- c. Compilation Error: Duplicate method add(int, int) in type OverloadTester
- d. Sum is 60

Eternals Mock 1 - Quiz

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Quiz

Dashboard

Help Desk

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Question

11.

Not yet
answered

Marked out of 1

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question

Consider the Tables given below:

Product(productId,productName)

ProductOrder(orderId,productId,quantity)

productId column of ProductOrder is a Foreign key
referring to Product TableIdentify the appropriate SQL statement which will fetch the
productId,productName and orderId for all the Products ordered. If no orders
exist for a product, display those product id and productname with value for
orderId column as "Yet to be Ordered".

Choose appropriate query for the above requirement.

Select one:

- a. SELECT p1.productId,p1.productName,NVL(p2.orderId,"Yet to be
Ordered") FROM Product p1 RIGHT OUTER JOIN ProductOrder p2 ON
p1.productId=p2.productId;
- b. SELECT p1.productId,p1.productName,NVL(p2.orderId,"Yet to be
Ordered") FROM Product p1 LEFT OUTER JOIN ProductOrder p2 ON
p1.productId=p2.productId;
- c. SELECT p1.productId,p1.productName,NVL("Yet to be
Ordered",p2.orderId) FROM Product p1 LEFT OUTER JOIN ProductOrder
p2 ON p1.productId=p2.productId;
- d. SELECT p1.productId,p1.productName,NVL(p2.orderId,"Yet to be
Ordered") FROM Product p1 INNER JOIN ProductOrder p2 ON
p1.productId=p2.productId;

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Finish attempt

Time: 1:00:10

Johana wants to display "Welcome to JS!!" as a pop up message using JavaScript. Which of the following suits her requirement?

Select one:

- a. alertBox("Welcome to JS!!");
- b. alert(Welcome to JS!!);
- c. alertmsg("Welcome to JS!!");
- d. alert("Welcome to JS!!");

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Question 4
Not yet answered
Marked out of 1
 Flag question

Which is the CORRECT SQL statement to add the new column "DateOfJoining" to an existing table "Employee"? Choose most appropriate option.

Select one:

- a. CREATE TABLE Employee ADD DateOfJoining DATE;
- b. ALTER TABLE Employee ADD DateOfJoining DATE;
- c. ALTER TABLE Employee MODIFY DateOfJoining DATE;
- d. ALTER TABLE Employee UPDATE DateOfJoining DATE;

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**Question
15**Not yet
answered

Marked out of 1

Flag
question

Consider table Customer(cid NUMBER(4), cname VARCHAR2(10)) is created in the database and has no records. Refer to the below statements.

COMMIT;

INSERT INTO Customer VALUES(101,'John');

INSERT INTO Customer VALUES(102,'James');

DELETE FROM Customer WHERE cid=101;

INSERT INTO Customer VALUES(103,'Mark');

ROLLBACK;

COMMIT;

How many records will be available in the customer table if the above statements are executed in sequential order. Choose the most appropriate option.

Select one:

- a. 3
- b. 0
- c. 1
- d. 2

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Type here to search



Question 21

Not yet
answered

Marked out of 1

Flag
question

Identify the relationship between the class Patient and class Doctor which are given below.

```
public class Patient
{
    private String name;
    //getter and setter methods
}
public class Doctor
{
    private String name;
    private String specialization;
    //getter and setter methods
    public void treatPatient(Patient patient)
    {
        //valid Java code
    }
}
```

Choose the most appropriate option.

Select one:

- a. No relationship exists between Doctor class and Patient class
- b. Aggregation
- c. Composition
- d. Inheritance

Quiz na

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Papou's Career Guide

Question 2

Not yet
answered

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Flag
question

Consider the table Student(StudentId, StudentName, Email, PercentageOfMarks). Which is the CORRECT query to display the details in the ascending order (lowest to highest) of PercentageOfMarks and in the descending order of StudentId in case PercentageOfMarks is the same. Choose most appropriate option

Select one:

- a. SELECT StudentId, StudentName, Email, PercentageOfmarks FROM Student ORDER BY PercentageOfMarks, StudentId DESC;
- b. SELECT StudentId, StudentName, Email, PercentageOfmarks FROM Student ORDER BY PercentageOfMarks DESC, StudentId DESC;
- c. SELECT StudentId, StudentName, Email, PercentageOfmarks FROM Student ORDER BY PercentageOfMarks DESC, StudentId;
- d. SELECT StudentId, StudentName, Email, PercentageOfmarks FROM Student ORDER BY StudentId DESC, PercentageOfMarks;

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Refer the code below:

```
<table border="2">
<tr> <th colspan="3"> Employee Details</th></tr>
<tr> <th>Employee Name</th> <th>Department</th> </th>
<tr> <td>Jack</td> <td>LKM</td> </td>
<tr> <td>Ace</td><td rowspan="2">Delivery</td> </tr>
<tr> <td>Justin</td> </tr>
</table>
```

How many cells will be displayed when the page is displayed on the browser? Choose most appropriate option.

Select one:

- a. 8
- b. 10
- c. 7
- d. 9

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Question 5

Not yet
answered

Marked out of 1

Flag
question

Consider the table Employee(empid, empname, designation). Identify the appropriate SQL statement to retrieve all employees whose designation is either 'S' or 'A'. Choose most appropriate option.

Select one:

- a. SELECT * FROM Employee WHERE designation IN('S', 'A');
- b. SELECT * FROM Employee WHERE designation =(S' OR 'A');
- c. SELECT * FROM Employee WHERE designation IN('S' OR 'A');
- d. SELECT * FROM Employee WHERE designation =(S' , 'A');

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**Question
7**

Not yet
answered

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question

Consider table Students(studentId, branchId). Identify the CORRECT SQL statement to retrieve the branches which has more than 3 students. Choose most appropriate option.

Select one:

- a. SELECT branchId FROM Students GROUP BY studentId HAVING COUNT(*) > 3;
- b. SELECT branchId FROM Students WHERE COUNT(*) > 3 GROUP BY branchId;
- c. SELECT branchId FROM Students HAVING COUNT(*) > 3;
- d. SELECT branchId FROM Students GROUP BY branchId HAVING COUNT(*) > 3;

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In HTML, Which of the following is used to merge columns in a table? Choose most appropriate option.

Select one:

- a. columns-span
- b. columnspan
- c. cspan
- d. colspan

ge

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Question 16

Not yet
answered

Marked out of 1

Flag
question

Which of the following statement/s is/are TRUE?

- (1) Abstract method can have body
- (2) Abstract class cannot be instantiated
- (3) Abstract class can have constructor

Choose the most appropriate option.

Select one:

- a. Both (1) and (2) are TRUE
- b. Both (2) and (3) are TRUE
- c. Only (2) is TRUE
- d. Both (1) and (3) are TRUE

Java (30 Marks)

This java section has 2 questions. You have to choose and attend any 1 of them

Question 1

- Right Angle Triangle

(OR)

Question 2

- Find Mileage

RDBMS (20 Marks)

This RDBMS section of the assessment has two questions. Each question has two queries to be written.

You have to choose one of the questions and finish both the queries in that question.

Question 1

- 1.1: Item details based on Category

- 1.2: Item Issue details

(OR)

Question 2

- 2.1: Course details based on Duration

- 2.2: Course Taken by students

[Description](#) [Code Editor](#)

Right Angle Triangle

Write a Java program to accept three positive integers as input and check whether the given numbers form a right-angle triangle or not. If the input numbers form a triangle print "Right-Angle Triangle" else "Not a right-angle Triangle".

In case of zero or negative inputs print "Invalid".

Note: Rule to form a right-angle triangle is, sum of the square of any two numbers should be equal to the square of the third number.

Sample Input 1:

Enter three sides:

3
4
5

Sample Output 1:

Right-Angle Triangle

Sample Input 2:

Enter three sides:

3
4
5

Sample Output 2:

Not a right-angle Triangle

Sample Input 3:

Enter three sides:

32
0
5

Sample Output 3:

Invalid

[Description](#) [Code Editor](#)[File List](#)[Save](#)[Compile & Run](#)[Evaluate](#)[Full screen](#)[Description](#)

Test.java

```
1 import java.util.Scanner;
2 public class Test{
3
4     public static void main(String args[])
5     {
6         Scanner sc=new Scanner(System.in);
7         System.out.println("Enter three sides:");
8         int a=sc.nextInt();
9         int b=sc.nextInt();
10        int c=sc.nextInt();
11        if(a<=0 || b<=0 || c<=0)
12            System.out.println("Invalid");
13        else{
14            int a1=a*a;
15            int b1=b*b;
16            int c1=c*c;
17            if(a1==b1+c1|| b1==a1+c1 || c1==a1+b1)
18                System.out.println("Right-Angle Triangle");
19            else
20                System.out.println("Not a right-angle Triangle");
21        }
22        //Fill the code here
23
24
25
26 }
```

[Description](#) [Code Editor](#)

Find Mileage

Read the question carefully and follow the input and output format.

Given the cubic capacity(CC) of a bike. Write a program to print the mileage/liter for the given Cubic Capacity(CC). The mileage will be calculated as follows:

if CC is between 100 and 125, mileage is 75
if CC is between 126 and 135, mileage is 70
if CC is between 136 and 150, mileage is 60
if CC is between 151 and 200, mileage is 50
if CC is between 201 and 220, mileage is 35

First line of input consists of an integer that corresponds to CC of a bike. Output consist of an integer, which is the mileage.

Print "Number too large" when the given input CC is greater than 220.

Print "Number too small" when the given input CC is less than 100.

Sample Input 1:

1

Sample Output 1:

Number too small

Sample Input 2:

160

Sample Output 2:

50

Main.java

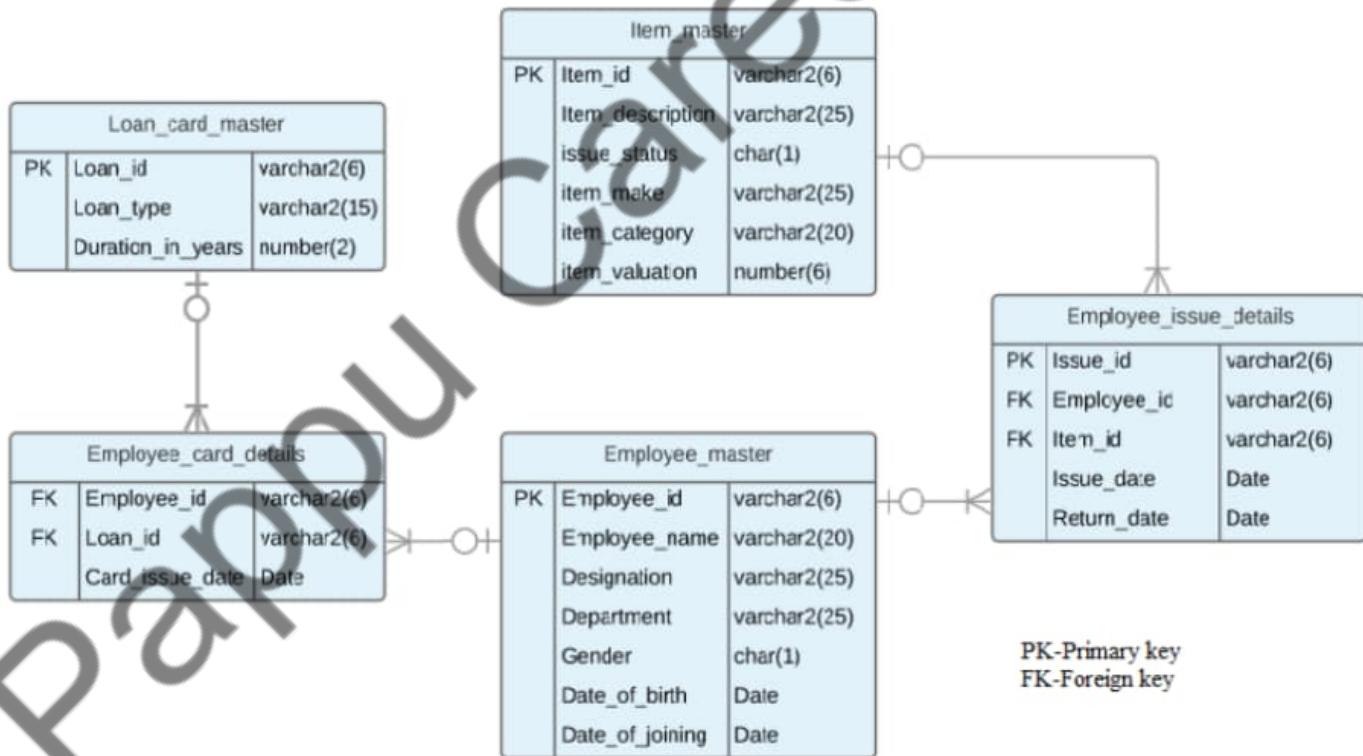
```
1 import java.util.Scanner;
2 public class Main{
3
4     public static void main(String args[])
5     {
6         Scanner sc=new Scanner(System.in);
7         int cc=sc.nextInt();
8         if(cc < 100)
9             System.out.println("Number too Small");
10        if(cc >= 100 && cc <= 125)
11            System.out.println(75);
12        if(cc >= 126 && cc <= 135)
13            System.out.println(70);
14        if(cc >= 136 && cc <= 150)
15            System.out.println(60);
16        if(cc >= 151 && cc <= 200)
17            System.out.println(50);
18        if(cc >= 201 && cc <= 220)
19            System.out.println(35);
20        if(cc > 220)
21            System.out.println("Number too large");
22    }
23 }
```

[Description](#) [Code Editor](#)

1.1: Item details based on Category

Write a query to display the item_category, total number of items present under each category. Give an alias to the number of items as COUNT_OF_ITEMS. Sort the result based on item_category. (Hint: Retrieve records from item_master)

Loan Item Management





Description

Code Editor

File List

Save

Compile & Run

Evaluate

Full screen

Description

★ sample.sql 

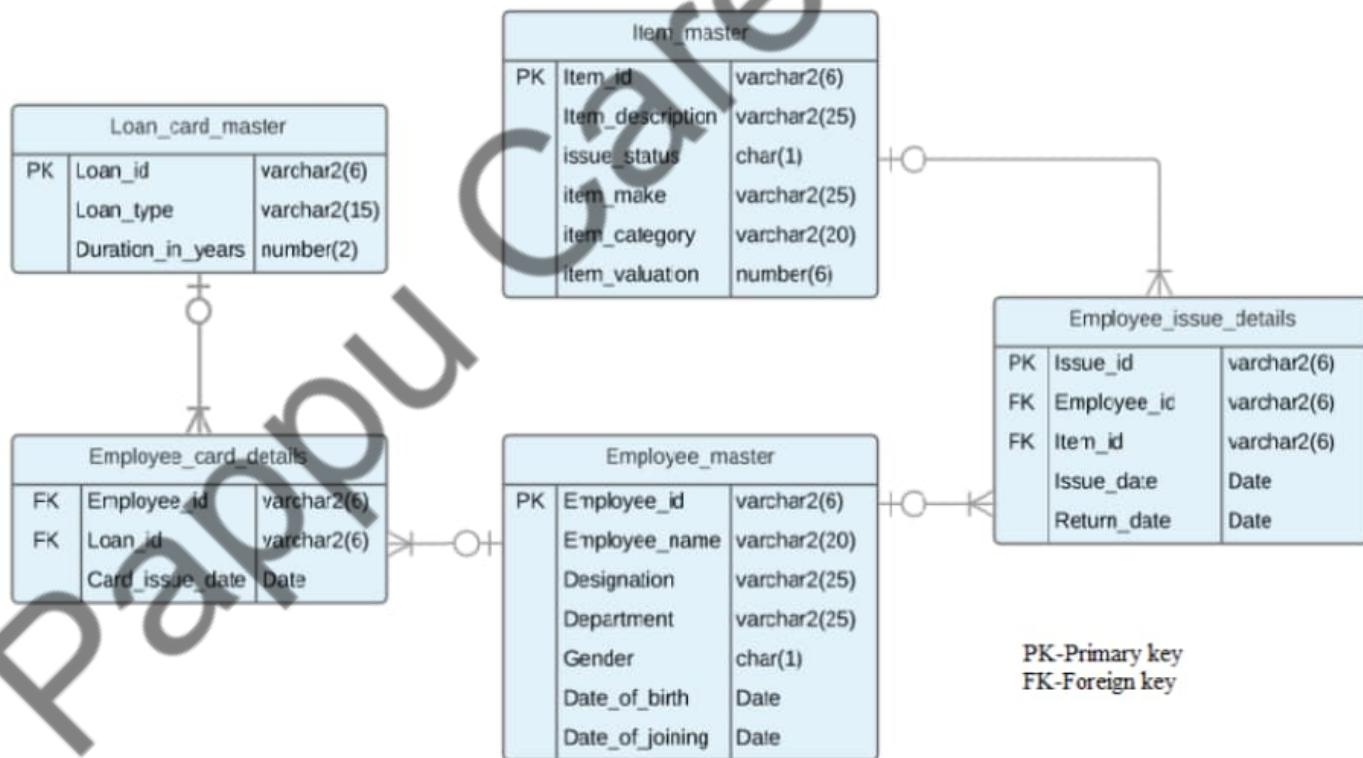
```
1 select item_category,count(item_valuation) COUNT_OF_ITEMS  
2 from item_master group by item_category order by item_category;
```

[Description](#) [Code Editor](#)

1.2: Item Issue details

Write a query to display employee_id, issue_id, item_make & item_category of items taken by the employees. Sort the records based on employee_id. (Hint: Retrieve records from Item_master,employee_issue_details)

Loan Item Management



Description

Code Editor

File List

Save

Compile & Run

Evaluate

Full screen

Description

sample.sql 

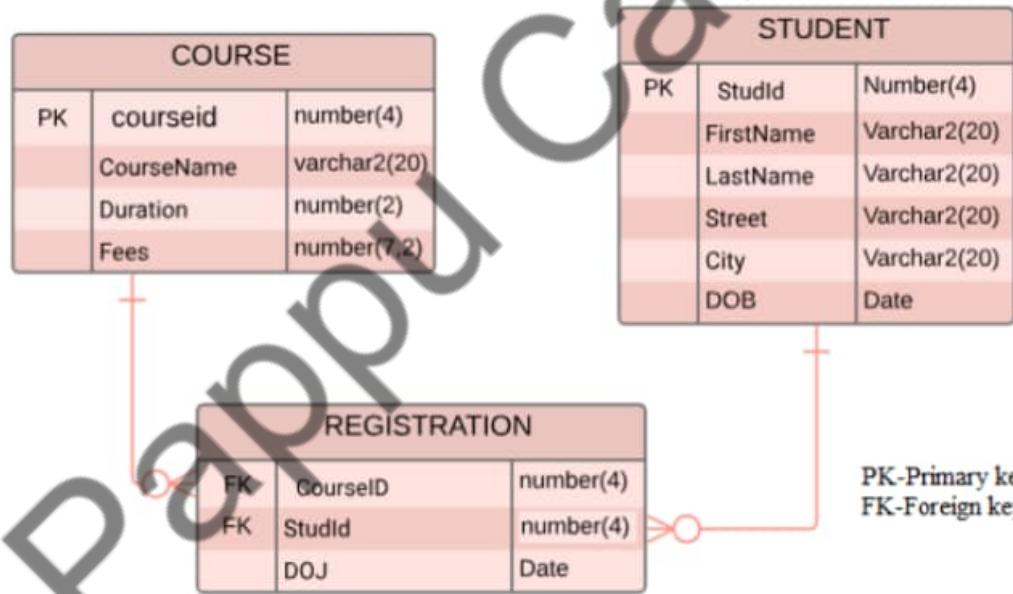
```
1 select employee_id,issue_id,item_make,item_category  
2 from employee_issue_details e,item_master i  
3 where i.item_id=e.item_id order by e.employee_id;  
4
```

[Description](#) [Code Editor](#)

2.1: Course details based on Duration

Write a query to display duration and total number of courses under each duration. Give an alias name as TOTAL_COURSES. Sort the records based on duration of courses. (Hint: Retrieve records from Course)

Student - Course Enrolment Management



Description

Code Editor

File List

Save

Compile & Run

Evaluate

Full screen

Description

sample.sql 

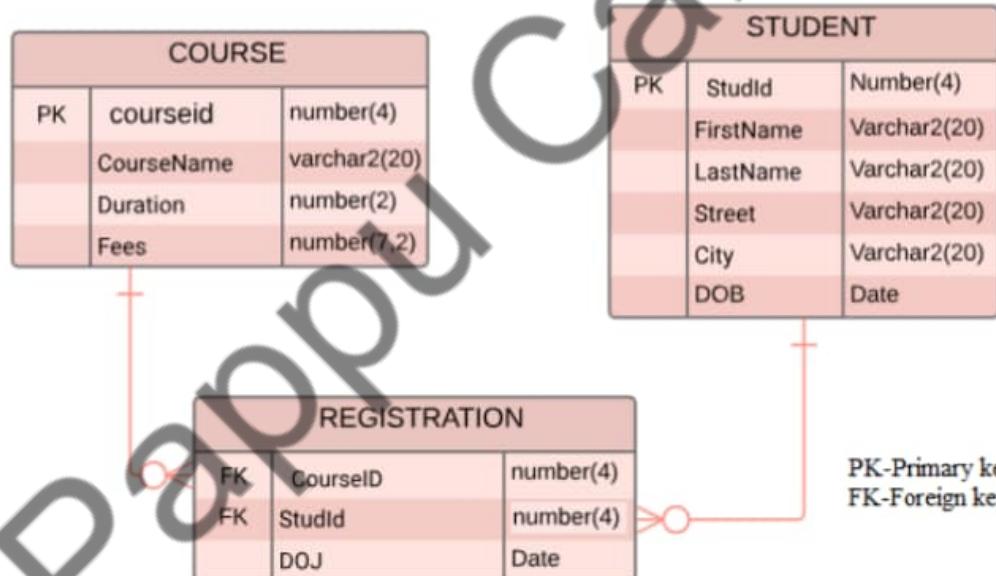
```
1 select duration,count(courseid) TOTAL_COURSES from course group by duration
2 order by duration;
```

[Description](#) [Code Editor](#)

2.2: Course Taken by students

Write a query to display student id, course id & course name of courses taken by the students. Sort the records based on student id. (Hint: Retrieve records from course, registration)

Student - Course Enrollement Management



PK-Primary key
FK-Foreign key



Description

Code Editor

File List

Save

Compile & Run

Evaluate

Full screen

Description

sample.sql

```
1 select r.studid,c.courseid,c.coursename from registration r,course c
2 where r.courseid=c.courseid order by studid;
```



Question 1

Not yet
answered

Marked out of
1.00

 Flag
question

A class Student and its subclass Hostler both have a method payFees() as part of their class definition. What will the following code do?

```
Hostler h = new Hostler();  
h.payFees();
```

Select one:

- a. The payFees() method defined in Student will be called.
- b. Overloading will be used to pick which payFees() is called.
- c. The compiler will complain that payFees() has been defined twice.
- d. The payFees() method defined in Hostler will be called.

Question 2

Not yet
answered

Marked out of
1.00

Flag
question

Predict the output:

```
class A
{
    public static void main (String[] args) throws java.lang.Exception
    {
        String str="Two";
        switch (str) {
            case "One":
                System.out.print(1);
            case "Two": System.out.print(3);
            case "Three": System.out.print(4);
            break;
        }
    }
}
```

Select one:

- a. 134
- b. error
- c. 4
- d. 34



Question 3

Not yet
answered

Marked out of
1.00

 Flag
question

Choose all the statement(s) that are valid.

Select one or more:

- a. Static data member have same copy, each associated with the object of class
- b. There is only single copy of member function in memory when a class is loaded
- c. Two classes in two different packages can have the same name.
- d. A super class is an incomplete class that requires further specification

Question 4

Not yet
answered

Marked out of
1.00

Flag
question

What will happen if you attempt to compile and run the following code?

```
Integer i=new Integer(15);
Long l=new Long (10);
System.out.println(i + 1);
int check=1;
System.out.println(check + i);
```

Select one:

- a. 15
16
- b. Error: Can't convert java.lang.Integer
- c. 25
26
- d. 25
16

Question 5

Not yet
answered

Marked out of
1.00

 Flag
question

Examine the given the code and choose from the following that would equate to true.

```
String str1 = "Fedrick";
String str2 = "Fedrick";
String str3 = new String(str1);
(A) s1 == s2
(B) s1 = s2
(C) s3 == s1
(D) s1.equals(s2)
(E) s3.equals(s1)
```

Select one:

- a. (C), (D) & (E)
- b. (A), (B) & (C)
- c. (D) & (E)
- d. (A), (D) & (E)
- e. (A), (C) & (E)

Question 6

Not yet
answered

Marked out of
1.00

 Flag
question

What is the correct way for a method to indicate that it expects the caller to handle an Exception? Assuming that the method contains code which may raise an Exception (but not a RuntimeException).

Select one:

- a. Don't need to specify anything
- b. new Exception
- c. throw Exception
- d. throws Exception



Question 7

Not yet
answered

Marked out of
1.00

Flag
question

Predict the output:

```
int arr[];  
int i = 0;  
arr = new int[5];  
while (i < 5)  
{  
    arr[i] = 10;  
    i = i + 1;  
}  
System.out.println(arr[4]);
```

Select one:

- a. 10
- b. 0
- c. 3
- d. unknown

**Question
8**

Not yet
answered
Marked out of
1.00

Flag
question

Predict the output:

```
class One
{
    void calculate(int a, int b)
    {
        System.out.println("Class One");
    }
}

class Two extends One
{
    @Override
    void calculate(int a, int b)
    {
        System.out.println("Class Two");
    }
}

class Three extends Two
{
    @Override
    void calculate(int a, int b)
    {
        System.out.println("Class Three");
    }
}

public class Test
{
    public static void main(String[] args)
    {
        One one = new Two();

        one.calculate(10, 20);

        Two two = (Two) one;

        two.calculate(50, 100);

        Three three = (Three) two;

        three.calculate(100, 200);
    }
}
```

Select one:

- a. Class One
Class Two
java.lang.ClassCastException
- b. Class One
Class Two
Class Three
- c. java.lang.ClassCastException
- d. Class Two
Class Two
java.lang.ClassCastException

**Question
9**Not yet
answeredMarked out of
1.00Flag
question

Given the following classes defined in separate files, what will be the effect of compiling and running this class Test? Predict the output:

```
class Shape {  
    public void draw() {  
        System.out.println("All Shapes");  
    }  
  
class Square extends Shape {  
    public void draw() {  
        System.out.println("Only Square");  
    }  
  
public class Test  
{  
    public static void main (String args[]) {  
        Shape v;  
        Square c;  
        v = new Shape();  
        c = new Square();  
        v.draw();  
        c.draw();  
        v = c;  
        v.draw();  
    }  
}
```

Select one:

- a. All Shapes
Only Square
All Shapes
- b. Generates runtime error on the statement v= c;
- c. All Shapes
All Shapes
Only Square
- d. All Shapes
Only Square
Only Square

Question 10

Not yet
answered

Marked out of
1.00

 Flag
question

Select the true statement ?

Select one:

- a. Aggregation forms the is-a type of relationship between classes.
- b. Aggregation is the stronger form of Inheritance.
- c. Aggregation forms a is-a part of relationship between classes. Composition is the stronger form of Aggregation.
- d. Inheritance forms a is-a part of relationship between classes.



Question 11

Not yet
answered

Marked out of
1.00

 Flag
question

What is the approach of OO ?

Select one:

- a. bundle data and method
- b. bundle data separated from method
- c. bundle method separated from data
- d. bundle data only for security

Question 12

Not yet
answered

Marked out of
1.00

 Flag
question

How does the different section of an application communicate in an OO approach ?

Select one:

- a. Different sections of the application interact through database
- b. In OO approach, the different sections run in isolation so they will NOT interact
- c. The objects created during runtime by different sections of the application interact through messages
- d. Different sections of the application interact through file system



Question 13

Answer saved

Marked out of
1.00

 Flag
question

Select the principle that best describes the given scenario. An air-condition can be operated using the button or remote control.

Select one:

- a. Encapsulation
- b. Polymorphism
- c. Hierarchy
- d. Abstraction

Question 14

Not yet
answered

Marked out of
1.00

 Flag
question

Select the multiplicity between passenger and train reservation ticket? What is the multiplicity of passenger ?

Select one:

- a. 1
- b. 0..1
- c. 0..*
- d. 1..*

Question 15

Not yet
answered

Marked out of
1.00

 Flag
question

Select the levels of hierarchy ?

Select one or more:

- a. Compound
- b. Generalization
- c. Multi-Level
- d. Aggregation



Question 16

Not yet
answered

Marked out of
1.00

 Flag
question

The properties of good program must have _____

Select one:

- a. Component dependence
- b. Modules tightly connected
- c. Fault Prevention and fault tolerance
- d. Poor Design for change



Question 17

Not yet
answered

Marked out of
1.00

 Flag
question

A flowchart needs to represent a situation to check whether a person is eligible to vote. The system has to consider the person's age for checking the eligibility. Which of the following constructs should be used?

Select one:

- a. All the options
- b. Loop
- c. Sequence
- d. Decision



Question 18

Not yet
answered

Marked out of
1.00

 Flag
question

Steve is learning to draw a flowchart to calculate the volume of a cuboid. Which of the options given below would fit into the process section of the flow chart?

Select one:

- a. Read the value of l,b,h(l represents the length, b represents the breadth, h represents the height)
- b. check if l,b,h have positive value
- c. display the volume of the cuboid
- d. Volume=l*b*h



Question 19

Not yet
answered

Marked out of
1.00

 Flag
question

Carefully read the question and answer accordingly. What operation is processed for each element in the list

Select one:

- a. Sorting
- b. Inserting
- c. Traversal
- d. Merging



Question 20

Not yet
answered

Marked out of
1.00

 Flag
question

Carefully read the question and answer accordingly. Find which list is not related to stacks?

Select one:

- a. Push-down
- b. None of the options.
- c. Last In First Out
- d. First in First Out

Question 21

Not yet
answered

Marked out of
1.00

 Flag
question

What is the time complexity of find_count()?

```
int find_count(int i)
{
    int c=0;
    for(int m=0;m<i;m++)
        for(int n=m;n>0;n--)
            c=c+1;
    return c;
}
```

Select one:

- a. theta(n^2)
- b. theta(n)
- c. theta($n \log n$)
- d. theta($n \log n \log n$)



Question 22

Not yet
answered

Marked out of
1.00

 Flag
question

From the given options identify the appropriate algorithm that has the lowest worst-case complexity?

Select one:

- a. Merge Sort
- b. Bubble Sort
- c. Quick Sort
- d. Selection Sort

Question 23

Not yet
answered

Marked out of
1.00

 Flag
question

Time complexity of an algorithm signifies the total time required by the algorithm to complete its execution with provided resources. State True or False.

Select one:

True

False



Question 24

Not yet
answered

Marked out of
1.00

 Flag
question

Which of the option gives the number of independent paths in the program

Select one:

- a. Error Guessing
- b. Mc Cabes number
- c. Equivalence Partitioning
- d. Boundary Value analysis

Question 25

Not yet
answered

Marked out of
1.00

 Flag
question

State true or false.

Configuration management is important only during the coding phase

Select one:

True

False

**Question
26**Not yet
answeredMarked out of
1.00Flag
question

Identify the McCabe's number for the below code:

```
public class Testing{  
    public static void main(String[] args) {  
        int var1 = 10;  
        int var2 = 20;  
        if ((var1 > 8) && (var2 > 8))  
        { System.out.println("Greater than 8");  
        }  
        if ((var1 > 10) || (var2 > 10))  
        { System.out.println("Greater than 10"); }  
    }  
}
```

Select one:

- a. 5
- b. 4
- c. 6
- d. 3

Question 27

Not yet
answered

Marked out of
1.00

 Flag
question

Go-Will department store wants to automate few of its functionalities. From the below options identify the functional requirements of Go-Will department store

Select one or more:

- a. Add Product Details
- b. Response for each button click should be within 3 seconds
- c. System should be up and running 24/7
- d. Generate Bill for the purchased Items



Question 28

Not yet
answered

Marked out of
1.00

 Flag
question

After the development of online website for global pharmacy , it was found that there were interface errors in few of the modules. In which level of testing these errors would be identified.

Select one:

- a. Acceptance Testing
- b. System Testing
- c. Unit Testing
- d. Integration Testing

Question 29

Not yet
answered

Marked out of
1.00

 Flag
question

In Oracle "Salary number(8,2)" can store which format of data?

Select one:

- a. 99999999
- b. 9999999.99
- c. 99999.99000000001
- d. 999999.99

Question 30

Not yet
answered

Marked out of
1.00

 Flag
question

Predict the output of the below query .

Create view studentdetails select ID, address, name from student;

Select one:

- a. Creates a view named ID with 2 attributes
- b. Creates a view named studentdetails with 3 attributes
- c. Creates a view named studentdetails with 1 attribute
- d. Query has syntax error

Question 31

Not yet
answered

Marked out of
1.00

 Flag
question

Which of the following is not a built in aggregate function in Oracle?

Select one:

- a. Max
- b. Avg
- c. Total
- d. Count



Question 32

Not yet
answered

Marked out of
1.00

 Flag
question

Which clause is used with SELECT command to eliminate redundant or duplicate rows?

Select one:

- a. Different
- b. Distinctive
- c. Unique
- d. Distinct

Question 33

Not yet
answered

Marked out of
1.00

 Flag
question

What statements are true with respect to delete and truncate command?

Select one:

- a. Delete command can be reversed but truncate cannot be reversed
- b. Both the commands cannot be reversed
- c. Both the commands work in same manner
- d. Both the commands can be reversed

Question 34

Not yet
answered

Marked out of
1.00

 Flag
question

The EMPLOYEE table has following structure

EMPID NUMBER (5), ENAME VARCHAR2 (50), Address VARCHAR2 (15)

Which of the below options will display names of all the employees who are from "Chennai"?

Select one:

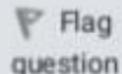
- a. SELECT * FROM EMPLOYEE WHERE ADDRESS ='Chennai';
- b. SELECT * FROM EMPLOYEE ;
- c. SELECT ENAME FROM EMPLOYEE WHERE ADDRESS ='Chennai';
- d. SELECT ENAME FROM EMPLOYEE;



Question 35

Not yet
answered

Marked out of
1.00

 Flag
question

What is the purpose of using -a option with ls command ?

Select one:

- a. for showing executables
- b. for multi columnar output
- c. for showing hidden files
- d. for showing directories



Question 36

Not yet
answered

Marked out of
1.00

 Flag
question

Which command in UNIX displays the list of all the users who have logged into the Unix server?

Select one:

- a. Who
- b. List users
- c. Who am i
- d. users



Question 37

Not yet
answered

Marked out of
1.00

 Flag
question

What does the below Unix command accomplish?

\$ vi sample

Select one:

- a. open file named sample
- b. open file if it exists else creates a new file
- c. delete a file named sample
- d. edit file named sample



Question 38

Not yet
answered

Marked out of
1.00

 Flag
question

Pipes are Used to combine two or more commands. The symbol used for representing pipe is _____

Select one:

- a. ;;
- b. |
- c. >>
- d. ||

Question 39

Not yet
answered

Marked out of
1.00

 Flag
question

Which of the following layer acts as an interface between user and kernel ?

Select one:

- a. Hardware
- b. Shell
- c. System Calls
- d. Kernel

Question 40

Not yet
answered

Marked out of
1.00

 Flag
question

Consider the sample.txt file and predict the output

Unix is an operating system.

Unix is open source.

Linux is also a powerful OS.

What is the output of grep -c "Unix" sample.txt command?

Select one:

- a. 4
- b. 0
- c. 3
- d. 2



Question 41

Not yet
answered

Marked out of
1.00

 Flag
question

If you have to prevent the code from running before the document has finished loading then what Jquery function needs to be used?

Select one:

- a. \$(document).load()
- b. \$(body).load()
- c. \$(body).onload()
- d. \$(document).ready()



Question 42

Not yet
answered

Marked out of
1.00

 Flag
question

What is CDN in Jquery

Select one:

- a. Content Delivery Node
- b. Content Delivery Network
- c. Class Delivery Network
- d. Content Directed Network

Question 43

Not yet
answered

Marked out of
1.00

 Flag
question

Javascript is included in an HTML file with the help of _____ tag

Select one:

- a. script
- b. body
- c. style
- d. head



Question 44

Not yet
answered

Marked out of
1.00

 Flag
question

What would be the code to set all elements under the tag to green

Select one:

- a. `$("p").style("background-color","green");`
- b. `$("p").css("background-color","green");`
- c. `$("p").manipulate("background-color","green");`
- d. `$("p").layout("background-color","green");`

Question 45

Not yet
answered

Marked out of
1.00

 Flag
question

What are the new form elements introduced in HTML5?

Select one or more:

a. datalist

b. keygen

c. optgroup

d. output

e. button



Question 46

Not yet
answered

Marked out of
1.00

 Flag
question

In CSS to define style for a unique element then which css selector should be used?

Select one:

- a. id
- b. name
- c. class
- d. text

**Question
47**Not yet
answeredMarked out of
1.00 Flag
question

Find out the well-formed xml file

Select one:

- a. <book category=Web>
 <bname>XML Tutorials</bname>
 <pages>100</pages>
 <price>\$300.00</price>
 </book>
- b. <book category="Web">
 <bname>XML Tutorials</BNAME>
 <pages>100</pages>
 <price>\$300.00<price>
 <book>
- c. <book category="Web">
 <bname>XML Tutorials</bname>
 <pages>100</pages>
 <price>\$300.00</price>
 </book>
- d. <book category="Web">
 <bname>XML Tutorials</bname>
 <pages>100</pages>
 <price>\$300.00</Price>
 </book>

Question 48

Not yet
answered

Marked out of
1.00

 Flag
question

what is used to find out an internet resource in an XML?

Select one:

- a. XMLNS
- b. URI
- c. URL
- d. URN



Question 49

Not yet
answered

Marked out of
1.00

 Flag
question

Identify the predicate which selects the last Employee element that is the child of the Company element?

Select one:

- a. /Company/Employee[first()-1]
- b. /Company/Employee[1]
- c. /Company/Employee[last()]
- d. /Company/Employee[first-1]



Question 50

Not yet
answered

Marked out of
1.00

 Flag
question

Which of the following fragments of XML are well-formed?

Select one:

- a. <?xml?>
- b. <?xml version="1.0"?>
- c. <?xml encoding="JIS" version="File1"?>
- d. <?xml encoding="Master"?>



Started on Friday, 19 June 2020, 4:30 PM

State Finished

Completed on Friday, 19 June 2020, 4:47 PM

Time taken 17 mins 10 secs

Grade 49.00 out of 50.00 (98%)

Question 1

Correct

Mark 1.00 out of 1.00

What is the diagram that depicts the interaction between objects by arranging the objects in time sequence ?

Select one:

- a. Activity Diagram
- b. Component Diagram
- c. Use Case Diagram
- d. Sequence Diagram ✓

The correct answer is: Sequence Diagram

Question 2

Correct

Mark 1.00 out of 1.00

What is the term used to define the values that are common across all instances of a class ?

Select one:

- a. Property
- b. Interface
- c. Attribute
- d. Static ✓

The correct answer is: Static

Question 3

Correct

Mark 1.00 out of 1.00

Select the multiplicity between passenger and train reservation ticket? What is the multiplicity of passenger ?

Select one:

- a. 0..1
- b. 1 ✓
- c. 1..*
- d. 0..*

The correct answer is: 1

Question 4

Correct

Mark 1.00 out of 1.00

What defines the state of an object ?

Select one:

- a. Using the value of the class properties ✓
- b. Using the class identity
- c. Using the behavior
- d. Using the class Id

The correct answer is: Using the value of the class properties

Question 5

Correct

Mark 1.00 out of 1.00

Select the true statements about Use Case diagram ?

Select one or more:

- a. Depicts the boundary of the system ✓
- b. Captures dynamic aspects of the system ✓
- c. Captures attributes and methods
- d. Captures users of the system ✓

The correct answers are: Depicts the boundary of the system, Captures users of the system, Captures dynamic aspects of the system

Question 6

Correct

Mark 1.00 out of 1.00

How does the different section of an application communicate in an OO approach ?

Select one:

- a. In OO approach, the different sections run in isolation so they will NOT interact
- b. Different sections of the application interact through file system
- c. The objects created during runtime by different sections of the application interact through messages ✓
- d. Different sections of the application interact through database

The correct answer is: The objects created during runtime by different sections of the application interact through messages

Question 7

Correct

Mark 1.00 out of 1.00

A program is said to be_____, if it optimizes the amount of memory and processing time.

Select one:

- a. efficient ✓
- b. modular
- c. robust
- d. documented

The correct answer is: efficient

Question 8

Correct

Mark 1.00 out of 1.00

In which of the given SDLC model, unclear requirements are considered?

Select one:

- a. Agile Model
- b. Prototyping Model ✓
- c. Waterfall Model
- d. Spiral Model

The correct answer is: Prototyping Model

Question 9

Correct

Mark 1.00 out of 1.00

State true or false.

Configuration management is important only during the coding phase

Select one:

- True
- False ✓

Question 10

Correct

Mark 1.00 out of 1.00

After the development of online website for global pharmacy , it was found that there were interface errors in few of the modules. In which level of testing these errors would be identified.

Select one:

- a. Unit Testing
- b. Acceptance Testing
- c. System Testing
- d. Integration Testing ✓

The correct answer is: Integration Testing

Question 11

Correct

Mark 1.00 out of 1.00

ERD Example: Consider the given scenario. ZEE public school Library. A Library has many books. Each Book has many chapters. Identify the cardinality between Chapter and Book

Select one:

- a. 0..0
- b. m..m
- c. m..1 ✓
- d. 0..m

The correct answer is: m..1

Question 12

Correct

Mark 1.00 out of 1.00

A website for Flight Booking was developed and given to the testing team for testing. It has various fields to enter the data, out of which one of the input field will take the birth year from the user ranging from 1980 to 2060. The boundary values for testing this field are?

Select one:

- a. 0, 1959, 1960, 1961, 1994, 1995, 1996
- b. 1959, 1960, 1994, 1995
- c. 0,2000,2050,2020,1981
- d. 1979,1980,2060,2061 ✓
- e. 1979,2030,1980,2060,2061

The correct answer is: 1979,1980,2060,2061

Question 13

Correct

Mark 1.00 out of 1.00

Pipes are Used to combine two or more commands. The symbol used for representing pipe is _____

Select one:

- a. | ✓
- b. ;;
- c. >>
- d. ||

The correct answer is: |

Question 14

Correct

Mark 1.00 out of 1.00

Unix Terminals are called Dummy terminals as they do not have _____ capability.

Select one:

- a. Input
- b. Output
- c. Processing ✓
- d. Display

The correct answer is: Processing

Question 15

Correct

Mark 1.00 out of 1.00

What does the below Unix command accomplish?

```
$ sed 's/ABC/ZYX/' file.txt
```

Select one:

- a. Replaces all occurrences 'ABC' with 'ZYX'
- b. Only matches and displays the occurrence of the pattern
- c. Replaces only first occurrence of 'ABC' with 'ZYX'
- d. Replaces first occurrence in every line 'ABC' with 'ZYX' ✓

The correct answer is: Replaces first occurrence in every line 'ABC' with 'ZYX'

Question 16

Correct

Mark 1.00 out of 1.00

Consider the sample.txt file and predict the output

Unix is an operating system.

Unix is open source.

Linux is also a powerful OS.

What is the output of grep -c "Unix" sample.txt command?

Select one:

- a. 3
- b. 2 ✓
- c. 4
- d. 0

The correct answer is: 2

Question 17

Correct

Mark 1.00 out of 1.00

What is the purpose of using -a option with ls command ?

Select one:

- a. for showing executables
- b. for showing hidden files ✓
- c. for multi columnar output
- d. for showing directories

The correct answer is: for showing hidden files



Question 18

Correct

Mark 1.00 out of 1.00

Which of the following should be used to print lines containing 'manager' in emp.lst?

Select one:

- a. awk 'manager { print }' emp.lst
- b. awk '/manager { print }' emp.lst
- c. awk '/manager/ { print }' emp.lst
- d. awk '/manager/ { print }' emp.lst ✓

The correct answer is: awk '/manager/ { print }' emp.lst

Question 19

Correct

Mark 1.00 out of 1.00

What does DTD stand for?

Select one:

- a. Dynamic Type Definition
- b. Dynamic Transfer Definition
- c. Direct Type Definition
- d. Document Type Definition ✓

The correct answer is: Document Type Definition

Question 20

Correct

Mark 1.00 out of 1.00

Which of the following xml prolog is according to syntax of XML

Select one:

- a. <?xml version="1.0" encoding="UTF-18"?>
- b. <?xml version="1.0" version="UTF-8"?>
- c. <?xml version="1.0" encoding="UTF-8"?> ✓
- d. <?xml version="1.0" encoding="UTF-8">

The correct answer is: <?xml version="1.0" encoding="UTF-8"?>

Question 21

Correct

Mark 1.00 out of 1.00

Identify the predicate which selects the last Employee element that is the child of the Company element?

Select one:

- a. /Company/Employee[last()] ✓
- b. /Company/Employee[1]
- c. /Company/Employee[first-1]
- d. /Company/Employee[first()-1]

The correct answer is: /Company/Employee[last()]



Question 22

Correct

Mark 1.00 out of 1.00

Find out the well-formed xml file

Select one:

- a. <book category="Web">
 <bname>XML Tutorials</bname>
 <pages>100</pages>
 <price>\$300.00</Price>
 </book>
- b. <book category=Web>
 <bname>XML Tutorials</bname>
 <pages>100</pages>
 <price>\$300.00</price>
 </book>
- c. <book category="Web">
 <bname>XML Tutorials</BNAME>
 <pages>100</pages>
 <price>\$300.00<price>
 <book>
- d. <book category="Web">
 <bname>XML Tutorials</bname>
 <pages>100</pages>
 <price>\$300.00</price>
 </book> ✓

The correct answer is: <book category="Web">
 <bname>XML Tutorials</bname>
 <pages>100</pages>
 <price>\$300.00</price>
</book>

Question 23

Correct

Mark 1.00 out of 1.00

Consider the Java code given below. How many times "Accenture" will be printed when the code is executed?

```
public class Tester
{
    public static void main(String[] args)
    {
        for(int i=0; i <5; i++)
        {
            System.out.println("Accenture");
            i++;
        }
    }
}
```

Choose the most appropriate option.

Select one:

- a. 3 times ✓
- b. 4 times
- c. 1 time
- d. 2 times

The correct answer is: 3 times



Question 24

Correct

Mark 1.00 out of 1.00

What will be the output of the following Java code?

```
public class ApplicationTester
{
    public static void main(String[] args)
    {
        int i=0;
        for(i=0; i<10; i++)
        {
            if(i == 5)
            {
                continue;
            }
            i++;
            System.out.print(i + " ");
        }
    }
}
```

Choose the most appropriate option.

Select one:

- a. 1 2 3 4 6 7 8 9
- b. 1 2 3 4 5 6 7 8 9
- c. 1 2 3 4 and then program will get into infinite loop
- d. 1 3 5 7 9 ✓

The correct answer is: 1 3 5 7 9

Question 25

Correct

Mark 1.00 out of 1.00

Identify the relationship between the class Patient and class Doctor which are given below.

```
public class Patient
{
    private String name;
    //getter and setter methods
}
public class Doctor
{
    private String name;
    private String specialization;
    //getter and setter methods
    public void treatPatient(Patient patient)
    {
        //valid Java code
    }
}
```

Choose the most appropriate option.

Select one:

- a. No relationship exists between Doctor class and Patient class
- b. Inheritance
- c. Aggregation ✓
- d. Composition

The correct answer is: Aggregation



Question 26

Correct

Mark 1.00 out of 1.00

What will be the output of the following code:

```
public class Test
{
    public static void main(String[] args)
    {
        int number=20;
        switch(number)
        {
            case 10: System.out.println("10");
            break;
            case 20: System.out.println("20");
            case 30: System.out.println("30");
            break;
            default:System.out.println("Not in 10, 20 or 30");
        }
    }
}
```

Choose most appropriate option.

Select one:

- a. 30
- b. 20 30 ✓
- c. invalid switch statement
- d. 20

The correct answer is: 20 30

Question 27

Correct

Mark 1.00 out of 1.00

What will be the output of the following Java code?

```
public class BaseClass
{
    public static void method()
    {
        System.out.println("1");
    }
}
public class DerivedClass extends BaseClass
{
    public static void method()
    {
        System.out.println("2");
    }
}
public class ApplicationTester
{
    public static void main(String[] args)
    {
        BaseClass ref = new DerivedClass();
        ref.method();
        //Line-1
    }
}
```

Choose the most appropriate option.

Select one:

- a. 2
- b. 1 ✓
- c. Compilation error at Line-1: Ambiguous method call 'ref.method()'
- d. Program will display both 1 and 2

The correct answer is: 1



Question 28

Correct

Mark 1.00 out of 1.00

What will be the output of the following Java code?

```
public class OverloadTester
{
    public static void main(String[] args)
    {
        double result = new OverloadTester().add(25, 35);
        System.out.println("Sum is " + result);
    }
    public int add(int number1, int number2)
    {
        return number1 + number2;
    }
    public double add(int number1, int number2)
    {
        return number1 + number2;
    }
}
```

Choose the most appropriate option.

Select one:

- a. Compilation Error: Duplicate method add(int, int) in type OverloadTester ✓
- b. Sum is 60
- c. Sum is 60.0
- d. Sum is 0

The correct answer is: Compilation Error: Duplicate method add(int, int) in type OverloadTester

Question 29

Correct

Mark 1.00 out of 1.00

What will be the output of the following Java code?

```
class Employee
{
    Employee ()
    {
        System.out.println("Employee constructor");
    }
    static
    {
        System.out.println("Employee static block");
    }
}
class Manager
{
    Manager ()
    {
        System.out.println("Manager constructor");
    }
    static
    {
        System.out.println("Manager static block");
    }
}

public class Main
{
    public static void main(String[] args) {
        Manager obj=null;
    }
}
```

Select one:

- a. only Manager class constructor and static block executes
- b. no output ✓
- c. only Manager class static block executes
- d. Both class Constructor and Static block executes

The correct answer is: no output



Question 30

Correct

Mark 1.00 out of
1.00

What is the output of the following code?

```
class Account
{
    int balance;
    public void createAccount()
    {
        balance = 1000;
    }
    public int getMinimumBalance()
    {
        return balance;
    }
}
class SalaryAccount extends Account
{
private String companyName;
public SalaryAccount(String companyName)
{
this.companyName = companyName;
}
public void createAccount()
{
balance = 500;
}
public void checkCompany()
{
if (companyName.equalsIgnoreCase("Accenture"))
{
balance = 0;
}
}
}
public class MainClass
{
    public static void main(String[] args)
    {
        Account account = new SalaryAccount("Accenture");
        account.createAccount();
        System.out.println("Balance : " + account.getMinimumBalance());
        account.checkCompany();
        System.out.println("Balance : " + account.getMinimumBalance());
    }
}
```

Choose the most appropriate option.

Select one:

- a. Balance: 1000 Balance: 0
- b. Compilation Error: The method checkCompany() is undefined for the type Account ✓
- c. Balance: 1000 Balance: 500
- d. Balance: 500 Balance: 0

The correct answer is: Compilation Error: The method checkCompany() is undefined for the type Account



Question 31

Correct

Mark 1.00 out of 1.00

What will be the output of the following Java code?

```
public class ApplicationTester
{
    public static void main(String[] args)
    {
        for(int i=0; i<=10; i++)
        {
            if(i>6)
                break;
            System.out.println(i); //Line-1
        }
    }
}
```

Choose most appropriate option.

Select one:

- a. 6
- b. null
- c. 5
- d. Compilation error at Line-1: i cannot be resolved to a variable ✓

The correct answer is: Compilation error at Line-1: i cannot be resolved to a variable

Question 32

Correct

Mark 1.00 out of 1.00

Identify the CORRECT SQL statement(s) to remove ONLY the data from "Employee" table?

- (i) DROP TABLE Employee;
- (ii) DELETE FROM Employee;
- (iii) TRUNCATE TABLE Employee;

Choose most appropriate option.

Select one:

- a. Both (ii) and (iii) ✓
- b. Both (i) and (iii)
- c. Both (i) and (ii)
- d. (i), (ii) and (iii)

The correct answer is: Both (ii) and (iii)

Question 33

Correct

Mark 1.00 out of 1.00

Identify the CORRECT SQL statement to create a table with composite primary key. Choose most appropriate option.

Select one:

- a. CREATE TABLE Account (AccountNumber Number(5) CONSTRAINT Acc_Pkey1 PRIMARY KEY, CustomerId Number(10) CONSTRAINT Acc_Pkey2 PRIMARY KEY, OpeningDate Date, Balance Number(10,2));
- b. CREATE TABLE Account (AccountNumber Number(5), CustomerId Number(10), OpeningDate Date, Balance Number(10,2), CONSTRAINT Acc_Pkey COMPOSITE PRIMARY KEY (AccountNumber,CustomerId));
- c. CREATE TABLE Account (AccountNumber Number(5), CustomerId Number(10), OpeningDate Date, Balance Number(10,2), CONSTRAINT Acc_Pkey PRIMARY KEY (AccountNumber,CustomerId)); ✓
- d. CREATE TABLE Account (AccountNumber Number(5), CustomerId Number(10) CONSTRAINT Acc_Pkey2 PRIMARY KEY (AccountNumber,CustomerId), OpeningDate Date, Balance Number(10,2));

The correct answer is: CREATE TABLE Account (AccountNumber Number(5), CustomerId Number(10), OpeningDate Date, Balance Number(10,2), CONSTRAINT Acc_Pkey PRIMARY KEY (AccountNumber,CustomerId));



Question 34

Correct

Mark 1.00 out of 1.00

Which of the following SQL commands is used to remove table "EMPLOYEE" present in the database? Choose most appropriate option.

Select one:

- a. DELETE TABLE EMPLOYEE;
- b. TRUNCATE TABLE EMPLOYEE;
- c. REMOVE TABLE EMPLOYEE;
- d. DROP TABLE EMPLOYEE; ✓

The correct answer is: DROP TABLE EMPLOYEE;

Question 35

Correct

Mark 1.00 out of 1.00

Which of the following statement(s) is/are TRUE?

- (i) In a non-correlated(independent) subquery, the subquery is always executed only once.
- (ii) In a non-correlated(independent) subquery, the inner query (sub query) references the column from the outer query (main query).

Choose most appropriate option

Select one:

- a. Only (ii)
- b. Neither (i) nor (ii)
- c. Only (i) ✓
- d. Both (i) and (ii)

The correct answer is: Only (i)

Question 36

Correct

Mark 1.00 out of 1.00

Identify the CORRECT SQL statement to create a Account table with composite primary key (AccountNumber, CustomerId). Choose most appropriate option

Select one:

- a. CREATE TABLE Account (AccountNumber Number(5) CONSTRAINT Acc_Pkey1 PRIMARY KEY, CustomerId Number(10) CONSTRAINT Acc_Pkey2 PRIMARY KEY, OpeningDate Date, Balance Number(10,2));
- b. CREATE TABLE Account (AccountNumber Number(5), CustomerId Number(10), OpeningDate Date, Balance Number(10,2), CONSTRAINT Acc_Pkey COMPOSITE PRIMARY KEY (AccountNumber,CustomerId));
- c. CREATE TABLE Account (AccountNumber Number(5), CustomerId Number(10), OpeningDate Date, Balance Number(10,2), CONSTRAINT Acc_Pkey PRIMARY KEY (AccountNumber,CustomerId)); ✓
- d. CREATE TABLE Account (AccountNumber Number(5), CustomerId Number(10) CONSTRAINT Acc_Pkey2 PRIMARY KEY (AccountNumber,CustomerId), OpeningDate Date, Balance Number(10,2));

Your answer is correct.

The correct answer is: CREATE TABLE Account (AccountNumber Number(5), CustomerId Number(10), OpeningDate Date, Balance Number(10,2), CONSTRAINT Acc_Pkey PRIMARY KEY (AccountNumber,CustomerId));

Question 37

Correct

Mark 1.00 out of 1.00

Consider the tables given below.

Customer(customerId,(customerName)

Book(bookId, bookName)

Purchase(purchaseId, bookId, customerId)

bookId and customerId in purchase table are foreign keys referring to Book and Customer tables respectively.

Which is the CORRECT SQL statement to retrieve customer name and book name for all books purchased by customers.

Select one:

- a.

```
SELECT c.customerName,b.bookName
FROM customer c INNER JOIN purchase p
ON c.customerId=p.customerId
INNER JOIN book b
ON b.bookid=p.bookid; ✓
```
- b.

```
SELECT c.customerName,b.bookName
FROM customer c INNER JOIN purchase p
ON c.customerId=p.customerId
SELF JOIN book b
ON b.bookid=p.bookid;
```
- c.

```
SELECT c.customerName,b.bookName
FROM customer c INNER JOIN purchase p
ON c.customerId=p.customerId;
```
- d.

```
SELECT c.customerName,b.bookName
FROM customer c INNER JOIN purchase p
INNER JOIN book b
ON b.bookid=p.bookid AND c.customerId=p.customerId;
```

Your answer is correct.

The correct answer is:

```
SELECT c.customerName,b.bookName
FROM customer c INNER JOIN purchase p
ON c.customerId=p.customerId
INNER JOIN book b
ON b.bookid=p.bookid;
```

Question 38

Correct

Mark 1.00 out of 1.00

'link', 'vlink' and 'alink' are attributes of which HTML tag?

Choose the most appropriate option.

Select one:

- a. <head>
- b.
- c. <a>
- d. <body> ✓

Your answer is correct.

The correct answer is: <body>

Question 39

Correct

Mark 1.00 out of 1.00

Which of the following attribute is used by a HTML tag to apply inline style? Choose most appropriate option.

Select one:

- a. styleclass
- b. style ✓
- c. class
- d. id

Your answer is correct.

The correct answer is: style

Question 40

Incorrect

Mark 0.00 out of 1.00

Which of the following CSS code is the correct one to apply style to tag 'P'? Choose most appropriate option.

Select one:

- a. p { color:red; text-align:center; }
- b. p { color:red; text-align:center }
- c. p { color:red; text-align:center }; ✗
- d. p (color:red; text-align:center;)

The correct answer is: p { color:red; text-align:center; }

Question 41

Correct

Mark 1.00 out of 1.00

Which of the following is not a method of document object? Choose most appropriate option.

Select one:

- a. write(String)
- b. print(String) ✓
- c. getElementByTagName(String)
- d. getElementById(String)

The correct answer is: print(String)

Question 42

Correct

Mark 1.00 out of 1.00

Choose from below the valid syntax to show "Welcome to JS!!" to user in JavaScript using a pop up. Choose most appropriate option

Select one:

- a. alert("Welcome to JS!!"); ✓
- b. alert(Welcome to JS!!);
- c. alertmsg("Welcome to JS!!");
- d. alertBox("Welcome to JS!!");

The correct answer is: alert("Welcome to JS!!");

Question 43

Correct

Mark 1.00 out of 1.00

Consider the HTML code given below.

```
<html>
<head>
<script>
var key=10;
function add(){
    var key=20;
    window.key=key+1;
    document.write(key);
    document.write(" ");
    print();
}
function print(){
    document.write(key);
}
</script>
</head>
<body>
<form>
<input type="s
```

Select one:

- a. 11 11
- b. 20 21 ✓
- c. 21 21
- d. 11 10

Your answer is correct.

The correct answer is: 20 21

Question 44

Correct

Mark 1.00 out of 1.00

Steve is learning to draw a flowchart to calculate the volume of a cuboid. Which of the options given below would fit into the process section of the flow chart?

Select one:

- a. Read the value of l,b,h(l represents the length, b represents the breadth, h represents the height)
- b. display the volume of the cuboid
- c. Volume=l*b*h ✓
- d. check if l,b,h have positive value

Your answer is correct.

The correct answer is: Volume=l*b*h



Question 45

Correct

Mark 1.00 out of 1.00

The properties of good program must have_____

Select one:

- a. Fault Prevention and fault tolerance ✓
- b. Component dependence
- c. Poor Design for change
- d. Modules tightly connected

Your answer is correct.

The correct answer is:

Fault Prevention and fault tolerance

Question 46

Correct

Mark 1.00 out of 1.00

Carefully read the question and answer accordingly. One of the best application of Stack is

Select one:

- a. Radix sort
- b. Breadth First Search
- c. Recursion ✓
- d. Array

The correct answer is: Recursion

Question 47

Correct

Mark 1.00 out of 1.00

Carefully read the question and answer accordingly. What operation is processed for each element in the list

Select one:

- a. Inserting
- b. Sorting
- c. Traversal ✓
- d. Merging

The correct answer is: Traversal

Question 48

Correct

Mark 1.00 out of 1.00

An algorithm which executes on constant time period can be denoted as

Select one:

- a. O(1) ✓
- b. O(n)
- c. O(nlogn)
- d. O(n²)

The correct answer is: O(1)



Question 49

Correct

Mark 1.00 out of 1.00

Which algorithm is the best sorting method in-place with no quadratic worst-case scenarios?

Select one:

- a. Heap Sort ✓
- b. Quick Sort
- c. Selection Sort
- d. Bubble Sort

The correct answer is: Heap Sort

Question 50

Correct

Mark 1.00 out of 1.00

What is the time complexity of find_count()?

```
int find_count(int i)
{
    int c=0;
    for(int m=0;m<i;m++)
        for(int n=m;n>0;n--)
            c=c+1;
    return c;
}
```

Select one:

- a. theta(n^2) ✓
- b. theta(n)
- c. theta($n \log n$)
- d. theta($n * \log n$)

The correct answer is: theta(n^2)

Pappu Career Guide

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Grade 44 out of 50 (88%)

Question 1

Correct

Mark 1 out of 1

Identify the CORRECT SQL statement(s) to remove ONLY the data from "Employee" table?

- (i) DROP TABLE Employee;
 - (ii) DELETE FROM Employee;
 - (iii) TRUNCATE TABLE Employee;
- Choose most appropriate option.

Select one:

- a. Both (i) and (iii)
- b. Both (ii) and (iii) ✓
- c. Both (i) and (ii)
- d. (i), (ii) and (iii)

The correct answer is: Both (ii) and (iii)

Question 2

Correct

Mark 1 out of 1

The employee table contains EmployeeNumber, EmployeeName, Salary and DeptCode Columns. Which is the CORRECT SQL query to display DeptCode and average salary of each department? Choose most appropriate option.

Select one:

- a. SELECT DeptCode,avg(salary) FROM Employee GROUP BY DeptCode; ✓
- b. SELECT DeptCode,avg(salary) FROM Employee GROUP BY Salary;
- c. SELECT DeptCode,avg(salary) FROM Employee;
- d. SELECT DeptCode,avg(salary) FROM Employee GROUP BY EmployeeNumber;

The correct answer is: SELECT DeptCode,avg(salary) FROM Employee GROUP BY DeptCode;

Question 3

Correct

Mark 1 out of 1

The employee tables contains EmployeeId,EmployeeName and DeptCode Columns. Which is the CORRECT SQL query to display the EmployeeId and EmployeeName of employees who are working in DeptCode 10 OR 20?

- (i) SELECT EmployeeId,EmployeeName FROM Employee WHERE DeptCode IN (10,20);
 - (ii) SELECT EmployeeId,EmployeeName FROM Employee WHERE DeptCode = 10 OR DeptCode = 20;
- Choose most appropriate option.

Select one:

- a. Both (i) and (ii) ✓
- b. Neither (i) nor (ii)
- c. Only (ii)
- d. Only (i)

The correct answer is: Both (i) and (ii)

Question 4

Correct

Mark 1 out of 1

Consider the table Student(StudentId, StudentName, Email, PercentageOfMarks). Which is the CORRECT query to display the details in the ascending order (lowest to highest) of PercentageOfMarks and in the descending order of StudentId in case PercentageOfMarks is the same. Choose most appropriate option

Select one:

- a. SELECT StudentId, StudentName, Email, PercentageOfmarks FROM Student ORDER BY PercentageOfMarks DESC, StudentId;
- b. SELECT StudentId, StudentName, Email, PercentageOfmarks FROM Student ORDER BY PercentageOfMarks DESC, StudentId DESC;
- c. SELECT StudentId, StudentName, Email, PercentageOfmarks FROM Student ORDER BY PercentageOfMarks, StudentId DESC; ✓
- d. SELECT StudentId, StudentName, Email, PercentageOfmarks FROM Student ORDER BY StudentId DESC, PercentageOfMarks;

The correct answer is: SELECT StudentId, StudentName, Email, PercentageOfmarks FROM Student ORDER BY PercentageOfMarks, StudentId DESC;

Question 5

Correct

Mark 1 out of 1

What is the SQL query for finding the total number of rows in a given table 'emp'? Choose most appropriate option.

Select one:

- a. SELECT SUM FROM EMP;
- b. SELECT COUNT(*) FROM EMP; ✓
- c. SELECT COUNT FROM EMP;
- d. SELECT SUM(*) FROM EMP;

The correct answer is: SELECT COUNT(*) FROM EMP;

Question 6

Correct

Mark 1 out of 1

Consider table Item(itemId, category, unitprice). Identify the appropriate SQL statement to display item id and discount in the ascending order of discount. [Note: Discount should be 10% of unitprice] Choose most appropriate option.

Select one:

- a. select itemId, discount from Item order by discount;
- b. select itemId, unitprice*0.1 as discount from Item order by discount; ✓
- c. select itemId, unitprice*0.1 as discount from Item order by itemId;
- d. select itemId, discount=unitprice*0.1 from Item order by discount;

The correct answer is: select itemId, unitprice*0.1 as discount from Item order by discount;

Question 7

Correct

Mark 1 out of 1

which command help us to get back the permission of accessing the table.

Select one:

- a. rollback
- b. commit
- c. revoke ✓
- d. grant

The correct answer is: revoke

Question 8

Correct

Mark 1 out of 1

Identify the CORRECT SQL statement to create a table with composite primary key. Choose most appropriate option.

Select one:

- a. CREATE TABLE Account (AccountNumber Number(5), CustomerId Number(10), OpeningDate Date, Balance Number(10,2), CONSTRAINT Acc_Pkey COMPOSITE PRIMARY KEY (AccountNumber,CustomerId));
- b. CREATE TABLE Account (AccountNumber Number(5), CustomerId Number(10), OpeningDate Date, Balance Number(10,2), CONSTRAINT Acc_Pkey PRIMARY KEY (AccountNumber,CustomerId)); ✓
- c. CREATE TABLE Account (AccountNumber Number(5), CustomerId Number(10) CONSTRAINT Acc_Pkey2 PRIMARY KEY (AccountNumber,CustomerId), OpeningDate Date, Balance Number(10,2));
- d. CREATE TABLE Account (AccountNumber Number(5) CONSTRAINT Acc_Pkey1 PRIMARY KEY, CustomerId Number(10) CONSTRAINT Acc_Pkey2 PRIMARY KEY, OpeningDate Date, Balance Number(10,2));

The correct answer is: CREATE TABLE Account (AccountNumber Number(5), CustomerId Number(10), OpeningDate Date, Balance Number(10,2), CONSTRAINT Acc_Pkey PRIMARY KEY (AccountNumber,CustomerId));

Question 9

Incorrect

Mark 0 out of 1

Consider the table Employee(empid, empname, designation). Identify the appropriate SQL statement to retrieve all employees whose designation is either 'S' or 'A'. Choose most appropriate option.

Select one:

- a. SELECT * FROM Employee WHERE designation =('S', 'A');
- b. SELECT * FROM Employee WHERE designation IN('S', 'A');
- c. SELECT * FROM Employee WHERE designation =('S' OR 'A'); ✗
- d. SELECT * FROM Employee WHERE designation IN('S' OR 'A');

The correct answer is: SELECT * FROM Employee WHERE designation IN('S', 'A');

Question 10

Correct

Mark 1 out of 1

What would be the output of the SQL statement given below? SELECT SUBSTR("Accenture",3,4) FROM DUAL; Choose most appropriate option.

Select one:

- a. entu
- b. ntur
- c. centu
- d. cent ✓

The correct answer is: cent

Question 11

Correct

Mark 1 out of 1

Consider table Customer(cid NUMBER(4), cname VARCHAR2(10)) has some records. Identify the appropriate ALTER statements (choose 2) which executes on table Customer [Note: There is no null value for any column]

Select one or more:

- a. ALTER TABLE Customer ADD dob DATE DEFAULT '30-Jun-1995'; ✓
- b. ALTER TABLE Customer MODIFY cname VARCHAR2(15); ✓
- c. ALTER TABLE Customer ADD CONSTRAINT cust_name NOT NULL(cname);
- d. ALTER TABLE Customer MODIFY cid NUMBER(2);

The correct answers are: ALTER TABLE Customer ADD dob DATE DEFAULT '30-Jun-1995';, ALTER TABLE Customer MODIFY cname VARCHAR2(15);

Question 12

Correct

Mark 1 out of 1

Consider the table employee(empname,salary) with some records. Identify a correct SQL statement to retrieve unique combination of empname and salary. Choose most appropriate option.

Select one:

- a. select empname,salary from employee;
- b. select distinct empname,distinct salary from employee;
- c. select distinct empname,salary from employee; ✓
- d. select empname,distinct salary from employee;

The correct answer is: select distinct empname,salary from employee;

Question 13

Correct

Mark 1 out of 1

Assume that table Asset(assetId number(2)) is created and 2 records are already inserted and saved.

```
COMMIT;
DELETE FROM ASSET;
ROLLBACK;
INSERT INTO ASSET VALUES(5);
COMMIT;
```

What would be the output of the below SQL statement after executing the above statements sequentially.

```
SELECT COUNT(*) FROM Asset;
```

Select one:

- a. 0
- b. 3 ✓
- c. 2
- d. 1

Your answer is correct.

The correct answer is: 3

Question 14

Correct

Mark 1 out of 1

Consider the below tables.

Event(eventId,eventName) – eventId is primary key

Employee(empld, empName, eventId) – empld is primary key and eventId is foreign key referring to Event table.

Identify the correct SQL statement to retrieve empid, empname and eventName for all employees. If employee has not registered for an event then it should display 'Not Registered'.

Select one:

- a. SELECT e1.empld, e1.empName, NVL(e2.eventName,'Not Registered') FROM event e2 INNER JOIN employee e1 ON e2.eventId=e1.eventId;
- b. SELECT e1.empld, e1.empName, NVL(e2.eventName,'Not Registered') FROM employee e1 LEFT OUTER JOIN event e2 ON e1.eventId=e2.eventId; ✓
- c. SELECT e1.empld, e1.empName, NVL(e2.eventName,'Not Registered') FROM event e2 LEFT OUTER JOIN employee e1 ON e2.eventId=e1.eventId;
- d. SELECT e1.empld, e1.empName, NVL(e2.eventName,'Not Registered') FROM employee e1 RIGHT OUTER JOIN event e2 ON e1.eventId=e2.eventId;

Your answer is correct.

The correct answer is: SELECT e1.empld, e1.empName, NVL(e2.eventName,'Not Registered') FROM employee e1 LEFT OUTER JOIN event e2 ON e1.eventId=e2.eventId;



Question 15

Correct

Mark 1 out of 1

Consider a table with the name Project is created using the SQL statement given below

```
CREATE TABLE Project(
    projectid VARCHAR2(10) CONSTRAINT pkey PRIMARY KEY,
    projectname VARCHAR2(10) CONSTRAINT pnull NOT NULL,
    employeecount NUMBER(2) DEFAULT 0);
```

Which of the following statements insert record successfully to the Project table [Choose 2]

Select one or more:

- a. INSERT INTO project VALUES('P1','Finance');
- b. INSERT INTO project(projectid,projectname) VALUES('P2','Finance'); ✓
- c. INSERT INTO project(projectid,employeecount) VALUES('P3',10);
- d. INSERT INTO project VALUES('P1','Finance',20); ✓

Your answer is correct.

The correct answers are: INSERT INTO project VALUES('P1','Finance',20);, INSERT INTO project(projectid,projectname) VALUES('P2','Finance');

Question 16

Incorrect

Mark 0 out of 1

What will be the output of the following Java code?

```
class Vehicle
{
    public Vehicle()
    {
        System.out.print("Default ");
    }
}
class Car extends Vehicle
{
    public Car(String carName)
    {
        System.out.print(carName + " ");
    }
}
public class InheritanceTester
{
    public static void main(String[] args)
    {
        Car car=new Car("Ford");
    }
}
```

Choose the most appropriate option.

Select one:

- a. Ford ✕
- b. Ford Default
- c. Compilation error: Parent class 'Vehicle' does not have parameterized constructor
- d. Default Ford

The correct answer is: Default Ford



Question 17

Correct

Mark 1 out of 1

What will be the output of the following Java code?

```
public class Rectangle
{
    private int length;
    private int width;
    public static void main(String[] args)
    {
        Rectangle rectangle1 = new Rectangle();
        rectangle1.length=10;
        rectangle1.width=5;
        Rectangle rectangle2 = rectangle1;
        System.out.println("Length : "+rectangle2.length);
        System.out.println("Width : "+rectangle2.width);
    }
}
```

Choose the most appropriate option.

Select one:

- a. Length : 0 Width : 0
- b. Length : 10 Width : 5 ✓
- c. Length : null Width : null
- d. Length: 5 Width: 10

The correct answer is: Length : 10 Width : 5

Question 18

Correct

Mark 1 out of 1

Identify the appropriate relationship between the classes House and Room. Assume that getter and setter methods for all instance variables are implemented

```
class Room
{
    private int length;
    private float width;
}
class House
{
    private float area;
    private Room room;
    public House()
    {
        room=new Room();
    }
}
```

Choose the most appropriate option

Select one:

- a. No relationship exists between class House and class Room
- b. Aggregation
- c. Composition ✓
- d. Specialization

The correct answer is: Composition



Question 19

Correct

Mark 1 out of 1

What will be the output of the following Java code?

```
public class ApplicationTester
{
    public static void main(String[] args)
    {
        int i=0;
        for(i=0; i<10; i++)
        {
            if(i == 5)
            {
                continue;
            }
            i++;
            System.out.print(i + " ");
        }
    }
}
```

Choose the most appropriate option.

Select one:

- a. 1 2 3 4 and then program will get into infinite loop
- b. 1 2 3 4 6 7 8 9
- c. 1 2 3 4 5 6 7 8 9
- d. 1 3 5 7 9 ✓

The correct answer is: 1 3 5 7 9

Question 20

Correct

Mark 1 out of 1

Identify the relationship between the class Patient and class Doctor which are given below.

```
public class Patient
{
    private String name;
    //getter and setter methods
}
public class Doctor
{
    private String name;
    private String specialization;
    //getter and setter methods
    public void treatPatient(Patient patient)
    {
        //valid Java code
    }
}
```

Choose the most appropriate option.

Select one:

- a. No relationship exists between Doctor class and Patient class
- b. Inheritance
- c. Composition
- d. Aggregation ✓

The correct answer is: Aggregation



Question 21

Correct

Mark 1 out of 1

What will be the output of the following Java code?

```
public class ApplicationTester
{
    public static void main(String[] args)
    {
        String s1 = "One";
        String s2 = "One";
        System.out.println((s1==s2) + " " + s1.equals(s2));
    }
}
```

Choose the most appropriate option.

Select one:

- a. true true ✓
- b. false true
- c. true false
- d. false false

The correct answer is: true true

Question 22

Correct

Mark 1 out of 1

What will be the output of the following Java code?

```
public class Employee
{
    private static int count; static
    {
        Employee.count = 101;
    }
    public Employee()
    {
        Employee.count = 201;
    }
    public static int getCount()
    {
        return Employee.count;
    }
}
public class ApplicationTester
{
    public static void main(String[] args)
    {
        Employee emp = new Employee();
        System.out.println(emp.getCount());
    }
}
```

Choose the most appropriate option.

Select one:

- a. 101
- b. 201 ✓
- c. null
- d. 0

The correct answer is: 201



Question 23

Correct

Mark 1 out of 1

What will be the output of the following Java code?

```
public class LocalVariableTester
{
    public static void main(String[] args)
    {
        int data1=8, data2;
        if(data1 >= 10)
        {
            data2 = 20;
        }
        System.out.println(data1 + " " + data2);
    }
}
```

Choose the most appropriate option

Select one:

- a. 10 20
- b. 10 0
- c. Compilation error: The local variable 'data2' may not have been initialized ✓
- d. 10 null

The correct answer is: Compilation error: The local variable 'data2' may not have been initialized

Question 24

Correct

Mark 1 out of 1

Which of the following statement(s) is/are FALSE?

- (i) 'package' statement can appear anywhere in the Java code
- (ii) In a Java code, only one 'import' statement can be written

Choose the most appropriate option.

Select one:

- a. Only (i) is FALSE
- b. Both (i) and (ii) are TRUE
- c. Both (i) and (ii) are FALSE ✓
- d. Only (ii) is FALSE

The correct answer is: Both (i) and (ii) are FALSE



Question 25

Correct

Mark 1 out of 1

What will be the output of the following Java code?

```
public class MyClass
{
    private static int data;
    static
    {
        MyClass.data = 999;
    }
    public static int getData()
    {
        return data;
    }
    public static void setData(int data)
    {
        MyClass.data = data;
    }
}
public class ApplicationTester
{
    public static void main(String[] args)
    {
        MyClass ref1 = new MyClass();
        MyClass ref2 = new MyClass();
        System.out.print(ref1.getData());
        ref2.setData(111);
        System.out.println(" " + ref1.getData());
    }
}
```

Choose the most appropriate option.

Select one:

- a. 999 111 ✓
- b. 999 999
- c. 111 111
- d. 0 111

The correct answer is: 999 111



Question 26

Incorrect

Mark 0 out of 1

What will be the output of the following Java code?

```
public class Employee
{
    private static int employeeCount;
    public Employee()
    {
        employeeCount++;
        //Line-1
    }
    public static int getEmployeeCount()
    {
        return Employee.employeeCount;
    }
}
public class StaticTester
{
    public static void main(String[] args)
    {
        Employee emp1 = new Employee();
        Employee emp2 = new Employee();
        Employee emp3 = new Employee();
        System.out.println(Employee.getEmployeeCount());
    }
}
```

Choose the most appropriate option.

Select one:

- a. 1
- b. 3
- c. Compilation error at Line-1: Cannot use static member 'employeeCount' in a non-static context ✗
- d. 0

The correct answer is: 3

**Question
27**

Correct

Mark 1 out of 1

What will be the output of the following Java code?

```
public class Vehicle
{
    protected String enginePower;
    public Vehicle()
    {
        this.enginePower = "100CC";
    }
    public String getEnginePower()
    {
        return this.enginePower;
    }
}
public class PassengerVehicle extends Vehicle
{
    private int capacity;
    public PassengerVehicle()
    {
        this.capacity = 50;
        this.enginePower = "150CC";
    }
    public int getCapacity()
    {
        return this.capacity;
    }
}
public class ApplicationTester
{
    public static void main(String[] args)
    {
        Vehicle vehicle = new PassengerVehicle();
        System.out.println(vehicle.getEnginePower());
    }
}
```

Choose the most appropriate option.

Select one:

- a. 100CC150CC
- b. 150CC ✓
- c. 100CC
- d. null

The correct answer is: 150CC



Question 28

Correct

Mark 1 out of 1

What will be the output of the following Java code?

```
public class Employee
{
    private String mailId;
    public void setEmailId(String mailId)
    {
        this.mailId = mailId;
    }
    public String getEmailId()
    {
        return this.mailId;
    }
}
public class UtilityClass
{
    public static void updateEmailId(Employee emp)
    {
        emp.setEmailId("xyz@accenture.com");
    }
}
public class ApplicationTester { public static void main(String[] args)
{
    Employee employee1 = new Employee();
    employee1.setEmailId("abc@gmail.com");
    UtilityClass.updateEmailId(employee1);
    //Line-1
    System.out.println(employee1.getEmailId());
}
}
```

Choose the most appropriate option.

Select one:

- a. null
- b. xyz@accenture.com ✓
- c. Compilation error at Line-1: Invalid method call 'UtilityClass.updateEmailId(String) '
- d. abc@gmail.com

The correct answer is: xyz@accenture.com



Question 29

Correct

Mark 1 out of 1

Predict the output of the following Java code.

```
public class Customer
{
    public void getCustomer(String customer_name)
    {
        System.out.println("Customer name is : "+customer_name);
    }
    public void getCustomer(int customerId, String customer_location)
    {
        System.out.println("Customer location : "+customer_location+ " & Customer Id : "+customerId);
    }
    public void getCustomer(int customerId, float reward_points)
    {
        System.out.println("Customer Id : "+customerId+ " & reward points till date is :" +reward_points);
    }
    public static void main(String[] args)
    {
        Customer c = new Customer();
        c.getCustomer("Smith");
        c.getCustomer(1232,560.0f);
        c.getCustomer(1232, "Florida");
    }
}
```

Choose the most appropriate option.

Select one:

- a. Customer name is : Smith
Customer location : Florida reward points till date is :560
Customer location : Florida & Customer Id : 1232
- b. Compilation Error. The method getCustomer(int, String) in the type Customer is not applicable for the arguments (int, float)
- c. Customer name is : Smith
Customer Id : 1232 & reward points till date is :560.0
Customer location : Florida & Customer Id : 1232 ✓
- d. Customer name is : Smith
Customer location : Florida & Customer Id : NULL
Customer Id : NULL & reward points till date is :560

The correct answer is: Customer name is : Smith
Customer Id : 1232 & reward points till date is :560.0
Customer location : Florida & Customer Id : 1232

**Question
30**

Correct

Mark 1 out of 1

What will be the output of the following Java code?

```
public interface MyInterface
{
    int MY_DATA = 100; public void display();
}

public class MyClass implements MyInterface
{
    public MyClass()
    {
        MyInterface.MY_DATA = 200;
        //Line-1
    }
    public void display()
    {
        System.out.println(MyInterface.MY_DATA);
    }
}

public class ApplicationTester
{
    public static void main(String[] args)
    {
        MyInterface ref = new MyClass();
        //Line-2 ref.display();
    }
}
```

Choose the most appropriate option.

Select one:

- a. 100
- b. Compilation error at Line-1: The final field MyInterface.MY_DATA cannot be assigned ✓
- c. Compilation error at Line-2: Invalid reference type 'MyInterface'
- d. 200

The correct answer is: Compilation error at Line-1: The final field MyInterface.MY_DATA cannot be assigned

Question 31

Incorrect

Mark 0 out of 1

What will be the output of the following Java code?

```
public class MyClass
{
    private static int count;
    static
    {
        MyClass.count = 100;
        //Line-1
        int count = 100;
        //Line-2
    }
    public MyClass()
    {
        count++ ;
    }
    public static int getCount()
    {
        return count;
    }
}
public class StaticTester
{
    public static void main(String[] args)
    {
        MyClass ref1 = new MyClass();
        MyClass ref2 = new MyClass();
        System.out.println(ref1.getCount());
    }
}
```

Choose the most appropriate option.

Select one:

- a. 2
- b. Compilation error at Line-2: Duplicate variable 'count'
- c. 102
- d. Compilation error at Line-1: Invalid variable reference 'MyClass.count' ✘

The correct answer is: 102

Question 32

Incorrect

Mark 0 out of 1

What will be the output of the following Java code?

```
public class MyClass
{
    public static void main (String[] args)
    {
        int value1=33;
        int value2=--value1;
        int value3=value1++;
        System.out.println(value1+ " "+value2+ " "+value3);
    }
}
```

Choose the most appropriate option.

Select one:

- a. 32 32 32
- b. 32 33 32
- c. 32 32 33 ✘
- d. 33 32 32

The correct answer is: 33 32 32



Question 33

Correct

Mark 1 out of 1

Given the below code. What is output ?

```
class Currency
{
    private String country = "Canada";
    public String getC()
    {
        return country;
    }
}
class JapeneseYen extends Currency
{
    public String getC()
    {
        return super.country; //Line 12
    }
}
public class AustralianDollar extends Currency
{
    public String getC(int x)
    {
        return super.getC();
    }
    public static void main(String[] args)
    {
        System.out.print(new JapeneseYen().getC() + " " + new AustralianDollar().getC());
    }
}
```

Choose most appropriate option.

Select one:

- a. Canada null
- b. Compilation fails due to an error on line 12 ";country is not visible "; ✓
- c. null Canada
- d. Canada Canada
- e. null null

The correct answer is: Compilation fails due to an error on line 12 ";country is not visible ";,

Question 34

Correct

Mark 1 out of 1

What will be the output of the following Java code?

```
public class ApplicationTester
{
    public static void main(String[] args)
    {
        for(int i=0; i<=10; i++)
        {
            if(i>6)
                break;
            System.out.println(i); //Line-1
        }
    }
}
```

Choose most appropriate option.

Select one:

- a. Compilation error at Line-1: i cannot be resolved to a variable ✓
- b. null
- c. 6
- d. 5

The correct answer is: Compilation error at Line-1: i cannot be resolved to a variable

Question 35

Correct

Mark 1 out of 1

What is the output of the following code?

```
class Account
{
    int balance;
    public void createAccount()
    {
        balance = 1000;
    }
    public int getMinimumBalance()
    {
        return balance;
    }
}
class SalaryAccount extends Account
{
private String companyName;
public SalaryAccount(String companyName)
{
this.companyName = companyName;
}
public void createAccount()
{
balance = 500;
}
public void checkCompany()
{
if (companyName.equalsIgnoreCase("Accenture"))
{
balance = 0;
}
}
}
public class MainClass
{
    public static void main(String[] args)
    {
        Account account = new SalaryAccount("Accenture");
        account.createAccount();
        System.out.println("Balance : " + account.getMinimumBalance());
        account.checkCompany();
        System.out.println("Balance : " + account.getMinimumBalance());
    }
}
```

Choose the most appropriate option.

Select one:

- a. Balance: 1000 Balance: 500
- b. Compilation Error: The method checkCompany() is undefined for the type Account ✓
- c. Balance: 1000 Balance: 0
- d. Balance: 500 Balance: 0

The correct answer is: Compilation Error: The method checkCompany() is undefined for the type Account



Question 36

Correct

Mark 1 out of 1

What will be the output of the following Java code?

```
class Base
{
    protected void getDetails()
    {
        System.out.println("Base method");
    }
}
class Derived extends Base
{
    private void getDetails()
    {
        System.out.println("Derived method");
    }
}
public class Main
{

    public static void main(String[] args)
    {
        Base obj=new Derived();
        obj.getDetails();

    }
}
```

Select one:

- a. Prints "Base method"
- b. prints both "Base method" "Derived method"
- c. compilation error :weaker access privileges ✓
- d. Prints "Dervied method"

The correct answer is: compilation error :weaker access privileges

Question 37

Correct

Mark 1 out of 1

Refer to the below code:

```
<script>
function helloMessage(){
    var jsName = //Line1 alert('Hello '+jsName+' !')
}
</script>
<form>
Enter First Name : <input type="text" name="firstName" id="first"><br>
<input type="button" value="Click Here!" onclick="helloMessage()">
</form>
```

Which is the CORRECT code to be inserted at "Line1" to make the JavaScript run properly? Choose most appropriate option

Select one:

- a. document.getElementById('first').value; ✓
- b. document.getElementByld.first.value;
- c. document.getElementByName('first').value;
- d. document.getElement('first').value;

The correct answer is: document.getElementById('first').value;

Question 38

Correct

Mark 1 out of 1

which of the following code creates a list box from which user can select more than one option?

Select one:

- a. <select type=multiValue>
<option> P </option>
<option> G </option>
<option> S </option>
</select>
- b. <select type=multiple>
<option> P </option>
<option> G </option>
<option> S </option>
</select>
- c. <select name='type' multiValue>
<option> P </option>
<option> G </option>
<option> S </option>
</select>
- d. <select name='type' multiple>
<option> P </option>
<option> G </option>
<option> S </option>
</select> ✓

Your answer is correct.

The correct answer is: <select name='type' multiple>
<option> P </option>
<option> G </option>
<option> S </option>
</select>

Question 39

Correct

Mark 1 out of 1

Which of the following attribute is used by a HTML tag to apply inline style? Choose most appropriate option.

Select one:

- a. id
- b. class
- c. style ✓
- d. styleclass

Your answer is correct.

The correct answer is: style

Question 40

Correct

Mark 1 out of 1

Johana wants to display "Welcome to JS!!" as a pop up message using JavaScript. Which of the following suits her requirement?

Select one:

- a. alertmsg("Welcome to JS!!");
- b. alert("Welcome to JS!!"); ✓
- c. alert(Welcome to JS!!);
- d. alertBox("Welcome to JS!!");

The correct answer is: alert("Welcome to JS!!");

Question 41

Correct

Mark 1 out of 1

Which of the following is the correct html form element to create the checkbox in a web page? Choose most appropriate option.

Select one:

- a. <input type="checkbox">
- b. <input checkbox>
- c. <input=checkbox>
- d. <checkbox>

The correct answer is: <input type="checkbox">

Question 42

Correct

Mark 1 out of 1

Which of the following is not a method of document object? Choose most appropriate option.

Select one:

- a. getElementById(String)
- b. write(String)
- c. getElementByTagName(String)
- d. print(String)

The correct answer is: print(String)

Question 43

Correct

Mark 1 out of 1

Which of the following statements is TRUE for CSS?

- A. An external style sheet is ideal when the style is applied to many pages
- B. An inline style created for a html tag can be reused for other tags in same page.

Choose most appropriate option.

Select one:

- a. Only A
- b. Only B
- c. Both A and B
- d. Neither A nor B

The correct answer is: Only A

Question 44

Correct

Mark 1 out of 1

Identify the CORRECT statements with respect to CSS.

- a) CSS is used for giving style for HTML content
- b) External style sheet can be used only for one HTML page in a website

Choose most appropriate option.

Select one:

- a. only a
- b. only b
- c. neither a nor b
- d. both a and b

The correct answer is: only a

Question 45

Correct

Mark 1 out of 1

Which of the following is correct syntax to refer an external java script file called "formValidation.js"? Choose most appropriate option.

Select one:

- a. <script name = "formValidation.js"></script>
- b. <script href = "formValidation.js"></script>
- c. <script source = "formValidation.js"></script>
- d. <script src = "formValidation.js"></script>

The correct answer is: <script src = "formValidation.js"></script>

Question 46

Incorrect

Mark 0 out of 1

Identify the CORRECT HTML code to define the state of the hyperlink. The requirement is to display the hyperlink "Click" in RED color if user has already visited "https://portal.accenture.com". Choose most appropriate option.

Select one:

- a. <html>
<body>
 Click
</body>
</html>
- b. <html>
<body vlink="red" >
Click
</body>
</html>
- c. <html>
<body link="red" >
 Click
</body>
</html>
- d. <html>
<body>
 Click
</body>
</html>

The correct answer is: <html>
<body vlink="red" >
Click
</body>
</html>

Question 47

Correct

Mark 1 out of 1

Which method is used to remove focus from the specified object? Choose most appropriate option.

Select one:

- a. onfocus()
- b. onclick()
- c. onsubmit()
- d. onblur()

The correct answer is: onblur()

**Question
48**

Correct

Mark 1 out of 1

Consider the HTML code given below.

```
<html>
<head>
<script>
var key=10;
function add(){
    var key=20;
    window.key=key+1;
    document.write(key);
    document.write(" ");
    print();
}
function print(){
    document.write(key);
}
</script>
</head>
<body>
<form>
<input type="submit" onclick="add()" />
</form>
</body>
</html>
```

What will be displayed after executing the above code?

Choose the most appropriate option.

Select one:

- a. 20 21 ✓
- b. 21 21
- c. 11 11
- d. 11 10

Your answer is correct.

The correct answer is: 20 21



Question 49

Correct

Mark 1 out of 1

What would be the output of the Javascript code given below?

```
<html>
<body>
<script>
var num1=100;
function test(){
    num2=200;
    var num1=300;
    num1=num2;
}
test();
document.write(num1 +"-"+num2);
</script>
</body>
</html>
```

Select one:

- a. 300-200
- b. 200-200
- c. 100-200 ✓
- d. 300-100

Your answer is correct.

The correct answer is: 100-200



Question 50

Correct

Mark 1 out of 1

Consider the javascript code given below. What would be the print values from line 1 and line 2 on execution?

```
<html>
<body>
<p id="id1"></p><!-- line 1-->
<p id="id2"></p><!-- line 2-->
<script>
var y=10;
myFunction();
document.getElementById("id1").innerHTML = y;
document.getElementById("id2").innerHTML = window.y;
function myFunction() {
y=20;
y=y+window.y
}
</script>
</body>
</html>
```

Choose the most appropriate option.

Select one:

- a. 40 40 ✓
- b. 10 40
- c. 10 30
- d. 10 10

Your answer is correct.

The correct answer is: 40 40

Started on Friday, 12 June 2020, 5:24 PM

State Finished

Completed on Friday, 12 June 2020, 6:22 PM

Time taken 57 mins 39 secs

Grade 41 out of 50 (82%)

Question 1

Correct

Mark 1 out of 1

Which is the CORRECT SQL statement to add the new column "DateOfJoining" to an existing table "Employee"? Choose most appropriate option.

Select one:

- a. ALTER TABLE Employee UPDATE DateOfJoining DATE;
- b. ALTER TABLE Employee ADD DateOfJoining DATE; ✓
- c. CREATE TABLE Employee ADD DateOfJoining DATE;
- d. ALTER TABLE Employee MODIFY DateOfJoining DATE;

The correct answer is: ALTER TABLE Employee ADD DateOfJoining DATE;

Question 2

Correct

Mark 1 out of 1

The employee tables contains EmployeeId,EmployeeName and DeptCode Columns. Which is the CORRECT SQL query to display the EmployeeId and EmployeeName of employees who are working in DeptCode 10 OR 20?

- (i) SELECT EmployeeId,EmployeeName FROM Employee WHERE DeptCode IN (10,20);
 - (ii) SELECT EmployeeId,EmployeeName FROM Employee WHERE DeptCode = 10 OR DeptCode = 20;
- Choose most appropriate option.

Select one:

- a. Both (i) and (ii) ✓
- b. Neither (i) nor (ii)
- c. Only (ii)
- d. Only (i)

The correct answer is: Both (i) and (ii)

Question 3

Correct

Mark 1 out of 1

The employee table contains EmployeeNumber, EmployeeName, Salary and DeptCode Columns. Which is the CORRECT SQL query to display DeptCode and average salary of each department? Choose most appropriate option.

Select one:

- a. SELECT DeptCode,avg(salary) FROM Employee GROUP BY EmployeeNumber;
- b. SELECT DeptCode,avg(salary) FROM Employee GROUP BY DeptCode; ✓
- c. SELECT DeptCode,avg(salary) FROM Employee GROUP BY Salary;
- d. SELECT DeptCode,avg(salary) FROM Employee;

The correct answer is: SELECT DeptCode,avg(salary) FROM Employee GROUP BY DeptCode;



Question 4

Correct

Mark 1 out of 1

Identify the CORRECT SQL statement(s) to remove ONLY the data from "Employee" table?

- (i) DROP TABLE Employee;
- (ii) DELETE FROM Employee;
- (iii) TRUNCATE TABLE Employee;

Choose most appropriate option.

Select one:

- a. Both (ii) and (iii) ✓
- b. Both (i) and (iii)
- c. Both (i) and (ii)
- d. (i), (ii) and (iii)

The correct answer is: Both (ii) and (iii)

Question 5

Correct

Mark 1 out of 1

Consider a table Account(accountId, balance).

Observe the below statements. Few queries results in same output. Identify those queries. (Choose two).

Select one or more:

- a. SELECT * FROM Account WHERE balance > 1000 AND balance < 5000;
- b. SELECT * FROM Account WHERE balance >= 1000 AND balance <= 5000; ✓
- c. SELECT * FROM Account WHERE balance between 1000 AND 5000; ✓
- d. SELECT * FROM Account WHERE balance >= 1000 OR balance <= 5000;

The correct answers are: SELECT * FROM Account WHERE balance >= 1000 AND balance <= 5000; SELECT * FROM Account WHERE balance between 1000 AND 5000;

Question 6

Correct

Mark 1 out of 1

Which of the following can be created as a table level constraint?

- (i) primary Key
- (ii) foreign key
- (iii) unique

Choose most appropriate option.

Select one:

- a. (i) and (iii)
- b. (i) only
- c. (i) and (ii)
- d. (i), (ii) and (iii) ✓

The correct answer is: (i), (ii) and (iii)

Question 7

Incorrect

Mark 0 out of 1

Consider table Students(studentId, branchid). Identify the CORRECT SQL statement to retrieve the branches which has more than 3 students. Choose most appropriate option.

Select one:

- a. SELECT branchid FROM Students GROUP BY branchid HAVING COUNT(*) > 3;
- b. SELECT branchid FROM Students HAVING COUNT(*) > 3;
- c. SELECT branchid FROM Students WHERE COUNT(*) > 3 GROUP BY branchid;
- d. SELECT branchid FROM Students GROUP BY studentId HAVING COUNT(*) > 3; ✗

Question 8

Correct

Mark 1 out of 1

Consider table Item(itemId, category, unitprice). Identify the appropriate SQL statement to display item id and discount in the ascending order of discount. [Note: Discount should be 10% of unitprice] Choose most appropriate option.

Select one:

- a. select itemId, discount=unitprice*0.1 from Item order by discount;
- b. select itemId, unitprice*0.1 as discount from Item order by itemId;
- c. select itemId, unitprice*0.1 as discount from Item order by discount; ✓
- d. select itemId, discount from Item order by discount;

The correct answer is: select itemId, unitprice*0.1 as discount from Item order by discount;

Question 9

Correct

Mark 1 out of 1

Consider the table Products(pid,pname,pcost). Identify the appropriate SQL statement to rename the table to ProductsInfo . Choose most appropriate option.

Select one:

- a. ALTER TABLE Products UPDATE TO ProductsInfo;
- b. ALTER TABLE Products RENAME ProductsInfo;
- c. ALTER TABLE Products RENAME TO ProductsInfo; ✓
- d. ALTER TABLE RENAME Products TO ProductsInfo;

The correct answer is: ALTER TABLE Products RENAME TO ProductsInfo;

Question 10

Correct

Mark 1 out of 1

Which of the following SQL commands is used to remove table "EMPLOYEE" present in the database? Choose most appropriate option.

Select one:

- a. TRUNCATE TABLE EMPLOYEE;
- b. DROP TABLE EMPLOYEE; ✓
- c. DELETE TABLE EMPLOYEE;
- d. REMOVE TABLE EMPLOYEE;

The correct answer is: DROP TABLE EMPLOYEE;

Question 11

Correct

Mark 1 out of 1

Consider the table employee(empname,salary) with some records. Identify a correct SQL statement to retrieve unique combination of empname and salary. Choose most appropriate option.

Select one:

- a. select distinct empname,distinct salary from employee;
- b. select distinct empname,salary from employee; ✓
- c. select empname,salary from employee;
- d. select empname,distinct salary from employee;

The correct answer is: select distinct empname,salary from employee;



Question 12

Correct

Mark 1 out of 1

Which of the following statement(s) is/are TRUE?

- (i) In a subquery, the inner query is responsible for giving result.
- (ii) In a subquery, the outer query is responsible to display output.

Choose most appropriate option

Select one:

- a. Only (ii)
- b. Only (i)
- c. Both (i) and (ii) ✓
- d. Neither (i) nor (ii)

The correct answer is: Both (i) and (ii)

Question 13

Correct

Mark 1 out of 1

Assume that table Asset(assetId number(2)) is created and 2 records are already inserted and saved.

```
COMMIT;  
DELETE FROM ASSET;  
ROLLBACK;  
INSERT INTO ASSET VALUES(5);  
COMMIT;
```

What would be the output of the below SQL statement after executing the above statements sequentially.

```
SELECT COUNT(*) FROM Asset;
```

Select one:

- a. 3 ✓
- b. 0
- c. 2
- d. 1

Your answer is correct.

The correct answer is: 3



Question 14

Correct

Mark 1 out of 1

Consider the tables given below.

Customer(customerId,(customerName)
Book(bookId, bookName)
Purchase(purchaseId, bookId, customerId)

bookId and customerId in purchase table are foreign keys referring to Book and Customer tables respectively.

Which is the CORRECT SQL statement to retrieve customer name and book name for all books purchased by customers.

Select one:

- a. SELECT c.customerName,b.bookName
FROM customer c INNER JOIN purchase p
ON c.customerId=p.customerId
INNER JOIN book b
ON b.bookid=p.bookid; ✓
- b. SELECT c.customerName,b.bookName
FROM customer c INNER JOIN purchase p
INNER JOIN book b
ON b.bookid=p.bookid AND c.customerId=p.customerId;
- c. SELECT c.customerName,b.bookName
FROM customer c INNER JOIN purchase p
ON c.customerId=p.customerId
SELF JOIN book b
ON b.bookid=p.bookid;
- d. SELECT c.customerName,b.bookName
FROM customer c INNER JOIN purchase p
ON c.customerId=p.customerId;

Your answer is correct.

The correct answer is: SELECT c.customerName,b.bookName
FROM customer c INNER JOIN purchase p
ON c.customerId=p.customerId
INNER JOIN book b
ON b.bookid=p.bookid;

Question 15

Correct

Mark 1 out of 1

Consider Project table given below.

PROJECTID EMPLOYEEID

PROJECTID	EMPLOYEEID
1	10
2	11
1	13

Identify the correct SQL statement to display the projectId which has more than one employee.

Select one:

- a. SELECT DISTINCT projectid FROM project WHERE projectid IN(SELECT projectid FROM project GROUP BY projectid WHERE COUNT(employeeId)>1);
- b. SELECT DISTINCT projectid FROM project WHERE projectid IN(SELECT projectid FROM project GROUP BY projectid HAVING COUNT(employeeId)>1); ✓
- c. SELECT DISTINCT projectid FROM project WHERE projectid IN(SELECT projectid FROM project WHERE COUNT(employeeId)>1);
- d. SELECT DISTINCT projectid FROM project WHERE projectid IN(SELECT projectid FROM project HAVING COUNT(employeeId)>1);

Your answer is correct.

The correct answer is: SELECT DISTINCT projectid FROM project WHERE projectid IN(SELECT projectid FROM project GROUP BY projectid HAVING COUNT(employeeId)>1);

Question 16

Correct

Mark 1 out of 1

Identify the appropriate relationship between the classes House and Room. Assume that getter and setter methods for all instance variables are implemented

```
class Room
{
    private int length;
    private float width;
}

class House
{
    private float area;
    private Room room;
    public House()
    {
        room=new Room();
    }
}
```

Choose the most appropriate option

Select one:

- a. Composition ✓
- b. No relationship exists between class House and class Room
- c. Aggregation
- d. Specialization

The correct answer is: Composition

Question 17

Correct

Mark 1 out of 1

If Employee class is created inside com.test package, what could be the first line in class? Choose most appropriate option.

Select one:

- a. package com.test ✓
- b. class Employee{}
- c. packages com.test
- d. package com.test.Employee

The correct answer is: package com.test

Question 18

Correct

Mark 1 out of 1

Consider the Java code given below. How many times "1" will be printed when the code is executed?

```
public class ApplicationTester
{
    public static void main(String[] args)
    {
        int i = -1;
        while( ++i <= 1)
        {
            System.out.println("1");
            i++;
        }
    }
}
```

Choose the most appropriate option.

Select one:

- a. 3 times
- b. 1 time ✓
- c. Nothing will be printed.
- d. 2 times

The correct answer is: 1 time



Question 19

Correct

Mark 1 out of 1

Consider the Java code given below. How many times "Accenture" will be printed when the code is executed?

```
public class Tester
{
    public static void main(String[] args)
    {
        for(int i=0; i <5; i++)
        {
            System.out.println("Accenture");
            i++;
        }
    }
}
```

Choose the most appropriate option.

Select one:

- a. 4 times
- b. 2 times
- c. 3 times ✓
- d. 1 time

The correct answer is: 3 times

Question 20

Correct

Mark 1 out of 1

What will be the output of the following Java code?

```
public class ApplicationTester
{
    public static void main(String[] args)
    {
        String s1 = "One";
        String s2 = "One";
        System.out.println((s1==s2) + " " + s1.equals(s2));
    }
}
```

Choose the most appropriate option.

Select one:

- a. true false
- b. true true ✓
- c. false false
- d. false true

The correct answer is: true true

Question 21

Correct

Mark 1 out of 1

which of the following represents correct order from the most to least restrictive? Choose most appropriate option.

Select one:

- a. private,protected,default,public
- b. public,protected,default,private
- c. private,default,protected,public ✓
- d. protected,private,default,public

The correct answer is: private,default,protected,public

Question 22

Correct

Mark 1 out of 1

What will be the output of the following Java code?

```
class Vehicle
{
    public Vehicle()
    {
        System.out.print("Default ");
    }
}
class Car extends Vehicle
{
    public Car(String carName)
    {
        System.out.print(carName + "");
    }
}
public class InheritanceTester
{
    public static void main(String[] args)
    {
        Car car=new Car("Ford");
    }
}
```

Choose the most appropriate option.

Select one:

- a. Ford Default
- b. Default Ford ✓
- c. Compilation error: Parent class 'Vehicle' does not have parameterized constructor
- d. Ford

The correct answer is: Default Ford

Question 23

Incorrect

Mark 0 out of 1

Observe the below code,

```
public class MyClass
{
    public int display(int num1,float num2)
    {
        return 0;
    }
    public double display(String name, int salary)
    {
        return 0.0;
    }
//Line 1
}
```

Which of the below function can be inserted at line 1 so that the code compiles successfully.

Select one:

- a. public float display(int num1,float num2){ return 0.0f; } ✗
- b. public String display(String name, int salary){ return success; }
- c. public void display(int num1,String num2){ }
- d. public double display(String empName, int empld){ return 0.0; }

The correct answer is: public void display(int num1,String num2){ }

Question 24

Correct

Mark 1 out of 1

What will be the output of the following Java code?

```
public class Employee
{
    private static int employeeCount;
    public Employee()
    {
        employeeCount++;
        //Line-1
    }
    public static int getEmployeeCount()
    {
        return Employee.employeeCount;
    }
}
public class StaticTester
{
    public static void main(String[] args)
    {
        Employee emp1 = new Employee();
        Employee emp2 = new Employee();
        Employee emp3 = new Employee();
        System.out.println(Employee.getEmployeeCount());
    }
}
```

Choose the most appropriate option.

Select one:

- a. 0
- b. 3 ✓
- c. 1
- d. Compilation error at Line-1: Cannot use static member 'employeeCount' in a non-static context

The correct answer is: 3

Question 25

Incorrect

Mark 0 out of 1

Predict the line of code

```
Abstract class Base1
{
    protected void getDetails()
    {
        System.out.println("Base method");
    }
    public Abstract void demomethod();
}
Abstract class Base2 extends Base1
{
    public Abstract void samplmethod();
}
class Derived extends Base2
{
    //Line1
}
```

Select one:

- a. only "samplmethod" need to overrided in Dervied class
- b. Error: abstract class can't extends other abstract class ✗
- c. none of the option
- d. Derived class need to override both "samplmethod" and "demomethod"

The correct answer is: Derived class need to override both "samplmethod" and "demomethod"

Question 26

Correct

Mark 1 out of 1

What is the output expected for the below code ?

```
public class ConstructorTest
{
    private ConstructorTest(int w) // line 2
    {

        System.out.println(w);
    }
    public static ConstructorTest() // line 6
    {

        System.out.println(10);
    }
    public static void main(String args[])
    {
        ConstructorTest obj = new ConstructorTest(50);
    }
}
```

Choose most appropriate option.

Select one:

- a. 10
- b. 50
- c. Won't compile because of line (6) constructor can't be static ✓
- d. 10 50

The correct answer is: Won't compile because of line (6) constructor can't be static

Question 27

Incorrect

Mark 0 out of 1

What will be the output of the following Java code?

```
public class ApplicationTester
{
    public static void main(String[] args)
    {
        int i=1, j=1;
        while(i <= 3)
        {
            j=1;
            do
            {
                System.out.println("Java");
                i++;
                j++;
            }while(j <= 2);
        }
    }
}
```

Choose the most appropriate option.

Select one:

- a. "Java" will be displayed 2 times
- b. "Java" will be displayed 3 times ✗
- c. "Java" will be displayed 4 times
- d. "Java" will be displayed 6 times

The correct answer is: "Java" will be displayed 4 times



Question 28

Correct

Mark 1 out of 1

What will be the output of the following Java code?

```
public class ApplicationTester
{
    public static void main(String[] args)
    {
        int[] array = {11,22,33,44,55,11};
        int searchNumber = 11, position=999;
        for(int index=0; index < array.length; index++)
        {
            if(searchNumber == array[index])
            {
                position = index;
            }
        } System.out.println(position);
    }
}
```

Choose the most appropriate option.

Select one:

- a. 5 ✓
- b. 1
- c. 0
- d. 6

The correct answer is: 5

Question 29

Incorrect

Mark 0 out of 1

What will be the output of the following Java code?

```
public class IfTester
{
    public static void main(String[] args)
    {
        int number1 = 10, number2;
        if(number1 == 10)
        {
            number2 = 20;
        }
        if (number1 != 10)
        {
            number2 = 30;
        }
        System.out.println("Number2 :" + number2);
    }
}
```

Choose the most appropriate option.

Select one:

- a. Number2 :20 ✗
- b. Number2 :30
- c. Compilation Error: The local variable number2 may not have been initialized
- d. Number2 :0

The correct answer is: Compilation Error: The local variable number2 may not have been initialized



Question 30

Correct

Mark 1 out of 1

Analyse the following pseudo code and identify the CORRECT output.

Note: Assume that the input given for Basic is 12000 and Allowances is 3000

1. input Basic, Allowances
2. Gross_Salary= Basic + Allowances
3. if (Gross_Salary > 10000) then
4. Tax = 0.1 * Gross_Salary
5. Net_Salary = Gross_Salary - Tax
6. else
7. Net_Salary = Gross_Salary
8. end-if
9. display Net_Salary

Choose the most appropriate option.

Select one:

- a. 15000
- b. 14985
- c. 13500 ✓
- d. 14000

The correct answer is: 13500

Question 31

Incorrect

Mark 0 out of 1

What will be the output of the following Java code?

```
public class MyClass
{
    public static void main (String[] args)
    {
        int value1=33;
        int value2=--value1;
        int value3=value1++;
        System.out.println(value1+" "+value2+" "+value3);
    }
}
```

Choose the most appropriate option.

Select one:

- a. 32 32 32
- b. 33 32 32
- c. 32 32 33 ✗
- d. 32 33 32

The correct answer is: 33 32 32

**Question
32**

Correct

Mark 1 out of 1

What will be the output of the following Java code?

```
public class MyClass
{
    private static int data;
    static
    {
        MyClass.data = 999;
    }
    public static int getData()
    {
        return data;
    }
    public static void setData(int data)
    {
        MyClass.data = data;
    }
}
public class ApplicationTester
{
    public static void main(String[] args)
    {
        MyClass ref1 = new MyClass();
        MyClass ref2 = new MyClass();
        System.out.print(ref1.getData());
        ref2.setData(111);
        System.out.println(" " + ref1.getData());
    }
}
```

Choose the most appropriate option.

Select one:

- a. 999 999
- b. 0 111
- c. 999 111 ✓
- d. 111 111

The correct answer is: 999 111



Question 33

Incorrect

Mark 0 out of 1

What is the output of the following code?

```
class Account
{
    int balance;
    public void createAccount()
    {
        balance = 1000;
    }
    public int getMinimumBalance()
    {
        return balance;
    }
}
class SalaryAccount extends Account
{
private String companyName;
public SalaryAccount(String companyName)
{
this.companyName = companyName;
}
public void createAccount()
{
balance = 500;
}
public void checkCompany()
{
if (companyName.equalsIgnoreCase("Accenture"))
{
balance = 0;
}
}
}
public class MainClass
{
    public static void main(String[] args)
    {
        Account account = new SalaryAccount("Accenture");
        account.createAccount();
        System.out.println("Balance : " + account.getMinimumBalance());
        account.checkCompany();
        System.out.println("Balance : " + account.getMinimumBalance());
    }
}
```

Choose the most appropriate option.

Select one:

- a. Balance: 1000 Balance: 0
- b. Balance: 500 Balance: 0 X
- c. Compilation Error: The method checkCompany() is undefined for the type Account
- d. Balance: 1000 Balance: 500

The correct answer is: Compilation Error: The method checkCompany() is undefined for the type Account



Question 34

Correct

Mark 1 out of 1

What will be the output of the following Java code?

```
class Base
{
    protected void getDetails()
    {
        System.out.println("Base method");
    }
}
class Derived extends Base
{
    private void getDetails()
    {
        System.out.println("Derived method");
    }
}
public class Main
{

    public static void main(String[] args)
    {
        Base obj=new Derived();
        obj.getDetails();

    }
}
```

Select one:

- a. prints both "Base method" "Derived method"
- b. compilation error :weaker access privileges ✓
- c. Prints "Dervied method"
- d. Prints "Base method"

The correct answer is: compilation error :weaker access privileges

Question 35

Correct

Mark 1 out of 1

What will be the output of the following Java code?

```
public class ApplicationTester
{
    public static void main(String[] args)
    {
        int[] array = {-9,-11-8,-100,-78};
        int minimum = 0;
        for(int index=0; index < array.length; index++)
        {
            if(minimum < array[index])
            { minimum = array[index];
            }
        }
        System.out.println(minimum);
    }
}
```

Choose the most appropriate option.

Select one:

- a. -100
- b. null
- c. -8
- d. 0 ✓

The correct answer is: 0

Question 36

Incorrect

Mark 0 out of 1

What will be the output of the following Java code?

```
Employee.java public class Employee
{
    private double salary;
    public Employee()
    {
        this.salary = 10000.0;
    }
    public static void updateSalary(Employee emp)
    {
        emp.salary = emp.salary + 10000.0;
        //Line-1
    }
    public double getSalary()
    {
        return this.salary;
    }
}
ApplicationTester .java public class ApplicationTester
{
    public static void main(String[] args)
    {
        Employee emp1 = new Employee();
        Employee emp2 = new Employee();
        Employee.updateSalary(emp1);
        System.out.println(emp1.getSalary() + " " + emp2.getSalary());
    }
}
```

Choose the most appropriate option.

Select one:

- a. 20000.0 10000.0
- b. 0.0 10000.0
- c. 10000.0 10000.0
- d. Compilation error at Line-1: Cannot 'emp.salary' in a static context ✘

The correct answer is: 20000.0 10000.0

Question 37

Correct

Mark 1 out of 1

Refer the incomplete code given below.

```
<style>
    #firstname {
        background-color: yellow;
        color:red;
    }
</style>

<input type=text <strong>__Blank1__</strong>='firstname'>
```

Choose the CORRECT attribute which if replaces '__Blank1__' will apply the CSS to text box.

Choose most appropriate option.

Select one:

- a. style
- b. styleclass
- c. class
- d. id ✓

Your answer is correct.

The correct answer is: id

Question 38

Correct

Mark 1 out of 1

Which of the following attribute is used by a HTML tag to apply inline style? Choose most appropriate option.

Select one:

- a. id
- b. class
- c. styleclass
- d. style ✓

Your answer is correct.

The correct answer is: style

Question 39

Correct

Mark 1 out of 1

Which of the following CSS code is the correct one to apply style to tag 'p'? Choose most appropriate option.

Select one:

- a. p { color:red; text-align:center; }
- b. p { color:red, text-align:center; }
- c. p { color:red; text-align:center; } ✓
- d. p (color:red; text-align:center;)

Your answer is correct.

The correct answer is: p { color:red; text-align:center; }

Question 40

Correct

Mark 1 out of 1

Johana wants to display "Welcome to JS!!" as a pop up message using JavaScript. Which of the following suits her requirement?

Select one:

- a. alertBox("Welcome to JS!!");
- b. alert("Welcome to JS!!"); ✓
- c. alert(Welcome to JS!!);
- d. alertmsg("Welcome to JS!!");

The correct answer is: alert("Welcome to JS!!");

Question 41

Correct

Mark 1 out of 1

Identify the CORRECT statements with respect to CSS.

- a) CSS is used for giving style for HTML content
 - b) External style sheet can be used only for one HTML page in a website
- Choose most appropriate option.

Select one:

- a. only a ✓
- b. neither a nor b
- c. only b
- d. both a and b

The correct answer is: only a

Question 42

Correct

Mark 1 out of 1

Which method is used to remove focus from the specified object? Choose most appropriate option.

Select one:

- a. onclick()
- b. onblur() ✓
- c. onfocus()
- d. onsubmit()

The correct answer is: onblur()

Question 43

Correct

Mark 1 out of 1

What would be the color of the text "Bengaluru" and "India" while executing the below html and css code? Assume that "Black" is the default color if there is no style applied.

```
<html>
<head>
<style>
p{ color:red; } .c1{ color:green; }
</style>
</head>
<body>
<p> Bengaluru </p> <p class="c1"> India </p>
</body>
</html>
```

Choose most appropriate option.

Select one:

- a. Bengaluru - Red,India - Red
- b. Bengaluru - Red,India - Black
- c. Bengaluru - Red,India - Green ✓
- d. Bengaluru - Black,India - Black

The correct answer is: Bengaluru - Red,India - Green

Question 44

Correct

Mark 1 out of 1

Which of the following is correct syntax to refer an external java script file called "formValidation.js"? Choose most appropriate option.

Select one:

- a. <script src = "formValidation.js"></script> ✓
- b. <script source = "formValidation.js"></script>
- c. <script name = "formValidation.js"></script>
- d. <script href = "formValidation.js"></script>

The correct answer is: <script src = "formValidation.js"></script>



Question 45

Correct

Mark 1 out of 1

What would be the output of the following Java Script?

```
<html>
<body>
<script>
var key1=1; document.write(typeof(key1) + " ");
var key2=null; document.write(typeof(key2));
</script>
</body>
</html>
```

Choose most appropriate option.

Select one:

- a. int undefined
- b. number object ✓
- c. int object
- d. number undefined

The correct answer is: number object

Question 46

Correct

Mark 1 out of 1

In HTML, Which of the following is used to merge columns in a table? Choose most appropriate option.

Select one:

- a. columns-span
- b. colspan ✓
- c. columnspan
- d. cspan

The correct answer is: colspan

Question 47

Correct

Mark 1 out of 1

Which of the following statements is TRUE for CSS?

- A. An external style sheet is ideal when the style is applied to many pages
 - B. An inline style created for a html tag can be reused for other tags in same page.
- Choose most appropriate option.

Select one:

- a. Neither A nor B
- b. Both A and B
- c. Only B
- d. Only A ✓

The correct answer is: Only A

**Question
48**

Incorrect

Mark 0 out of 1

What would be the output of the Javascript code given below?

```
<html>
<body>
<script>
var num1=100;
function test(){
    num2=200;
    var num1=300;
    num1=num2;
}
test();
document.write(num1 +"-"+num2);
</script>
</body>
</html>
```

Select one:

- a. 200-200 ✗
- b. 300-100
- c. 300-200
- d. 100-200

Your answer is incorrect.

The correct answer is: 100-200

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Question 49

Correct

Mark 1 out of 1

Consider the HTML code given below.

```
<html>
<head>
<script>
var key=10;
function add(){
    var key=20;
    window.key=key+1;
    document.write(key);
    document.write(" ");
    print();
}
function print(){
    document.write(key);
}
</script>
</head>
<body>
<form>
<input type="submit" onclick="add()" />
</form>
</body>
</html>
```

What will be displayed after executing the above code?

Choose the most appropriate option.

Select one:

- a. 21 21
- b. 11 11
- c. 11 10
- d. 20 21 ✓

Your answer is correct.

The correct answer is: 20 21



Question 50

Correct

Mark 1 out of 1

How many cells will be created after executing the below HTML code?

```
<html>
<body>
<table border="1">
<tr> <td colspan="3"> Jack </td> </tr>
<tr> <td colspan="2"> Tom </td> <td> Mark </td> </tr>
<tr> <td rowspan="2"> John</td> <td> James</td> <td> Mary</td> </tr>
<tr> <td> Helen</td> <td> Sam </td> </tr>
</table>
</body>
</html>
```

Select one:

- a. 9
- b. 7
- c. 8 ✓
- d. 10

Your answer is correct.

The correct answer is: 8

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Olympians Mock 3 MCQ / MCQ / Quiz

Started on Tuesday, 18 February 2020, 3:24 PM

State Finished

Completed on Tuesday, 18 February 2020, 4:28 PM

Time taken 1 hour 3 mins

Grade 37.00 out of 50.00 (74%)

Question 1

Correct

Mark 1.00 out of
1.00

What is the term used to define the values that are common across all instances of a class ?

Select one:

- a. Attribute
- b. Property
- c. Static
- d. Interface

The correct answer is: Static

~~incorrect~~

Mark 0.00 out of
1.00

Select the true statement ?

Select one:

- a. Aggregation forms the is-a type of relationship between classes.
- b. Aggregation forms a is-a part of relationship between classes. Composition is the stronger form of Aggregation.
- c. Aggregation is the stronger form of Inheritance.
- d. Inheritance forms a is-a part of relationship between classes.

✗

The correct answer is: Aggregation forms a is-a part of relationship between classes. Composition is the stronger form of Aggregation.

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~~incorrect~~

Mark 0.00 out of
1.00

What defines the state of an object ?

Select one:

- a. Using the class Id
- b. Using the class identity
- c. Using the behavior
- d. Using the value of the class properties

The correct answer is: Using the value of the class properties

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~~Correct~~

Mark 1.00 out of
1.00

Select the diagram used to depict the building blocks and the static structure of the system ?

Select one:

- a. Sequence Diagram
- b. Interaction Diagram
- c. Class Diagram
- d. Component Diagram

The correct answer is: Class Diagram

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~~Correct~~

Mark 1.00 out of
1.00

Select the principle that best describes the given scenario. An air-condition can be operated using the button or remote control.

Select one:

- a. Hierarchy
- b. Encapsulation
- c. Abstraction
- d. Polymorphism

The correct answer is: Encapsulation

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~~Correct~~

Mark 1.00 out of
1.00

Select the principle that best describes the given scenario. The wind is called a breeze if it is gentle. The wind is called a storm if it is harsh.

Select one:

- a. Aggregation
- b. Abstraction
- c. Typing
- d. Polymorphism

The correct answer is: Polymorphism

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Correct

Mark 1.00 out of
1.00

_____ is not the exact code for solving the problem but it would give us an idea of how the problem is going to be solved.

Select one:

- a. Programming code
- b. Structure code
- c. object code
- d. Pseudocode



Your answer is correct.

The correct answer is: Pseudocode

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~~Correct~~

Mark 1.00 out of
1.00

Enhancements made to the developed software is called as

.....

Select one:

- a. Testing
- b. Analysis
- c. Maintenance
- d. Design

The correct answer is: Maintenance

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Correct

Mark 1.00 out of
1.00

State true or false.

Configuration management is important only during the coding phase

Select one:

- True
- False ✓

The correct answer is 'False'.

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~~Correct~~

Mark 1.00 out of
1.00

After the development of online website for global pharmacy , it was found that there were interface errors in few of the modules. In which level of testing these errors would be identified.

Select one:

- a. Integration Testing
- b. System Testing
- c. Acceptance Testing
- d. Unit Testing

The correct answer is: Integration Testing

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~~Correct~~

Mark 1.00 out of
1.00

A Software needs to be developed for a Sterlin Hospital to monitor the radiations given for cancer patients. Even a very minute deviation would result in the risk of the life of the patient. Which would be the appropriate life cycle model used to implement the given scenario

Select one:

- a. Prototyping
- b. Spiral
- c. Agile
- d. Water fall

The correct answer is: Spiral

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incorrect

Mark 0.00 out of
1.00

ERD Example: Consider the given scenario. ZEE public school Library. A Library has many books. Each Book has many chapters. Identify the cardinality between Chapter and Book

Select one:

- a. m..m
- b. 0..0
- c. m..1
- d. 0..m



The correct answer is: m..1

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~~Correct~~

Mark 1.00 out of
1.00

Pipes are Used to combine two or more commands. The symbol used for representing pipe is _____

Select one:

- a. ;;
- b. |
- c. >>
- d. ||

The correct answer is: |

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~~Correct~~

Mark 1.00 out of
1.00

Which of the following is not a feature of UNIX?

Select one:

- a. User friendly
- b. Multiuser
- c. Multitasking
- d. Portability

The correct answer is: User friendly

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Correct

Mark 1.00 out of
1.00

Consider the sample.txt file and predict the output

Unix is an operating system.

Unix is open source.

Linux is also a powerful OS.

What is the output of grep -c "Unix" sample.txt command?

Select one:

a. 4

b. 2

c. 3

d. 0

The correct answer is: 2

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~~Correct~~

Mark 1.00 out of
1.00

Every entry in the UNIX directory file has the following component(s).

Select one:

- a. Filename and Inode number
- b. Filename
- c. File Sixe
- d. Inode number

The correct answer is: Filename and Inode number

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incorrect

Mark 0.00 out of
1.00

which of the following option can be used ,in order to quit vi editor without saving the work done ?

Select one:

- a. :c
- b. :q!
- c. :w
- d. :q

The correct answer is: :q!

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~~Correct~~

Mark 1.00 out of
1.00

Which of the following should be used to print lines containing 'manager' in emp.lst?

Select one:

- a. awk '/manager { print }' emp.lst
- b. awk 'manager { print }' emp.lst
- c. awk '/manager/ { print }' emp.lst
- d. awk '/manager/ { print }' emp.lst



The correct answer is: awk '/manager/ { print }' emp.lst

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Correct

Mark 1.00 out of
1.00

Comment in XML document is given by

Select one:

a. <!-- --!>

b. </-- -- >

c. <!-- -->

d. <?-- -->

The correct answer is: <!-- -->

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~~incorrect~~

Mark 0.00 out of
1.00

Which of the following fragments of XML are well-formed

Select one:

- a. <?xml version="1.0"?>
- b. <?xml encoding="JIS" version="File1"?>
✗
- c. <?xml encoding="Master"?>
- d. <?xml?>

The correct answer is: <?xml version="1.0"?>

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~~incorrect~~

Mark 0.00 out of
1.00

Which of the following xml prolog is according to syntax of XML

Select one:

- a. <?xml version="1.0" encoding="UTF-8">
- b. <?xml version="1.0" version="UTF-8"?>
✖
- c. <?xml version="1.0" encoding="UTF-8"?>
- d. <?xml version="1.0" encoding="UTF-18"?>

The correct answer is: <?xml version="1.0" encoding="UTF-8"?>

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~~incorrect~~

Mark 0.00 out of
1.00

Find out the well-formed xml file

Select one:

- a. <book category="Web">
 <bname>XML Tutorials</bname>
 <pages>100</pages>
 <price>\$300.00</Price>
 </book>
- b. <book category=Web>
 <bname>XML Tutorials</bname>
 <pages>100</pages>
 <price>\$300.00</price>
 </book>
- c. <book category="Web">
 <bname>XML Tutorials</bname>
 <pages>100</pages>
 <price>\$300.00</price>
 </book>
- d. <book category="Web">
 <bname>XML Tutorials</BNAME>
 <pages>100</pages>
 <price>\$300.00<price>
 </book>

The correct answer is: <book category="Web">
 <bname>XML Tutorials</bname>
 <pages>100</pages>
 <price>\$300.00</price>
 </book>

Correct

Mark 1.00 out of
1.00

What will be the output of the following Java code?

```
class StringSample
{
    public StringSample(String string)
    {
        System.out.println("The string is " + string);
    }
}
public class ConstructorTester1
{
    public static void main(String[] args)
    {
        StringSample stringSample = new StringSample();
        StringSample stringSample1 = new StringSample("Test
String");
    }
}
```

Choose the most appropriate option.

Select one:

- a. The string is Test String
- b. The string is null
- c. The string is null The string is Test String
- d. Compilation Error: The constructor StringSample() is undefined

The correct answer is: Compilation Error: The constructor StringSample() is undefined

~~incorrect~~

Mark 0.00 out of
1.00

Consider the Java code given below. How many times "1" will be printed when the code is executed?

```
public class ApplicationTester
{
    public static void main(String[] args)
    {
        int i = -1;
        while( ++i <= 1)
        {
            System.out.println("1");
            i++;
        }
    }
}
```

Choose the most appropriate option.

Select one:

- a. 2 times
- b. 1 time
- c. Nothing will be printed.
- d. 3 times

The correct answer is: 1 time

Correct

Mark 1.00 out of
1.00

What will be the output of the following Java code?

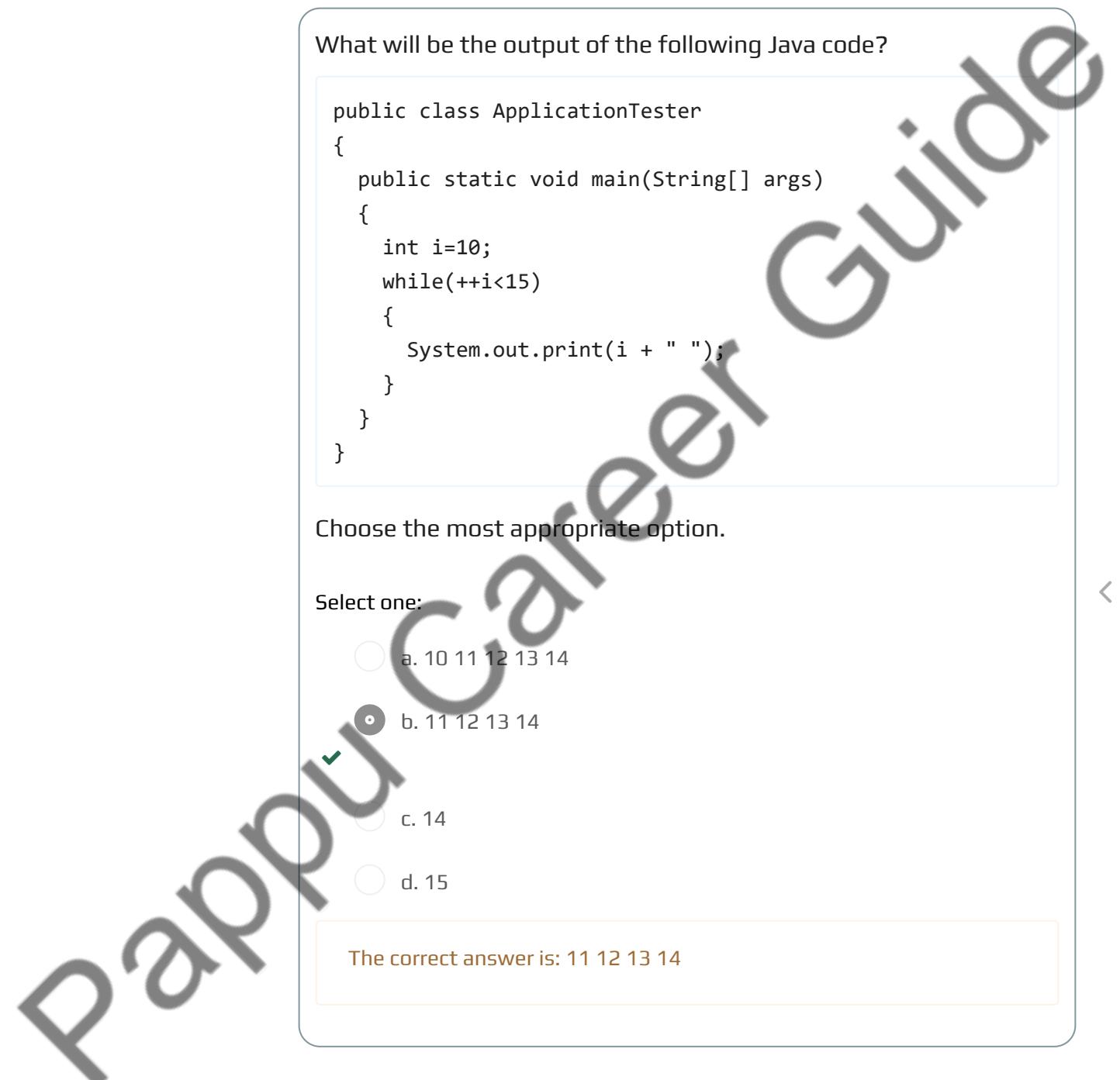
```
public class ApplicationTester
{
    public static void main(String[] args)
    {
        int i=10;
        while(++i<15)
        {
            System.out.print(i + " ");
        }
    }
}
```

Choose the most appropriate option.

Select one:

- a. 10 11 12 13 14
- b. 11 12 13 14
- c. 14
- d. 15

The correct answer is: 11 12 13 14



~~Correct~~

Mark 1.00 out of
1.00

What will be the output of the following Java code?

```
public class StringTester
{
    public static void main(String[] args)
    {
        String s1=new String("Accenture");
        String s2=new String("India Limited");
        s1.concat(s2);
        System.out.println(s1);
    }
}
```

Choose the most appropriate option.

Select one:

- a. Accenture
- b. Accenture India
- c. India Limited
- d. Accenture India Limited

The correct answer is: Accenture

~~Correct~~

Mark 1.00 out of
1.00

Which of the following statement/statements is/are FALSE?

- (i) 'package' statement can appear anywhere in the Java code
- (ii) In a Java code, one can write only one 'import' statement

Choose the most appropriate option.

Select one:

- a. Only (i) is FALSE
- b. Both (i) and (ii) are FALSE
- c. Only (ii) is FALSE
- d. Both (i) and (ii) are TRUE

The correct answer is: Both (i) and (ii) are FALSE

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~~Correct~~

Mark 1.00 out of
1.00

Given the following code, which option, if used to replace //INSERT CODE HERE, will correctly calculate the sum of all the even numbers in the array num and store it in the variable sum?

```
public class Test
{
    public static void main(String[] args)
    {
        int num[] = {10, 15, 2, 17};
        int sum = 0;
        for (int i=0; i<num.length;i++)
        {
            //INSERT CODE HERE
            sum=sum+num[i];
        }
    }
}
```

Select one:

a. if (number % 2 != 0) continue;



b. if (number % 2 == 0) break;

c. if (number % 2 != 0) break;

d. if (number % 2 == 0) continue;

Question 29**Correct**Mark 1.00 out of
1.00**What will be the output of the following Java code?**

```
public class ApplicationTester
{
    public static void main(String[] args)
    {
        for(int i=0; i<=10; i++)
        {
            if(i>6)
                break;
        }
        System.out.println(i); //Line-1
    }
}
```

Choose most appropriate option.**Select one:**

- a. Compilation error at Line-1: i cannot be resolved to a variable
- b. 5
- c. 6
- d. null

The correct answer is: Compilation error at Line-1: i cannot be resolved to a variable

incorrect

Mark 0.00 out of
1.00

What will be the output of the following Java code?

```
Employee.java public class Employee
{
    private double salary;
    public Employee()
    {
        this.salary = 10000.0;
    }
    public static void updateSalary(Employee emp)
    {
        emp.salary = emp.salary + 10000.0;
        //Line-1
    }
    public double getSalary()
    {
        return this.salary;
    }
}
ApplicationTester .java public class ApplicationTester
{
    public static void main(String[] args)
    {
        Employee emp1 = new Employee();
        Employee emp2 = new Employee();
        Employee.updateSalary(emp1);
        System.out.println(emp1.getSalary() + " " +
emp2.getSalary());
    }
}
```

Choose the most appropriate option.

Select one:

a. 0.0 10000.0

b. Compilation error at Line-1: Cannot 'emp.salary' in a static context

d. 10000.0 10000.0

The correct answer is: 20000.0 10000.0

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incorrect

Mark 0.00 out of
1.00

What will be the output of the following Java code?

```
class Base
{
    protected void getDetails()
    {
        System.out.println("Base method");
    }
}
class Derived extends Base
{
    private void getDetails()
    {
        System.out.println("Derived method");
    }
}
public class Main
{
    public static void main(String[] args)
    {
        Base obj=new Derived();
        obj.getDetails();
    }
}
```

Select one:

- a. Prints "Base method"
- b. compilation error :weaker access privileges
- c. prints both "Base method" "Derived method"
- d. Prints "Dervied method"



Question 32**Correct**Mark 1.00 out of
1.00

Which is the CORRECT SQL statement to add the new column "DateOfJoining" to an existing table "Employee"? Choose most appropriate option.

Select one:

- a. ALTER TABLE Employee UPDATE DateOfJoining DATE;
- b. ALTER TABLE Employee MODIFY DateOfJoining DATE;
- c. ALTER TABLE Employee ADD DateOfJoining DATE;
- d. CREATE TABLE Employee ADD DateOfJoining DATE;

The correct answer is: ALTER TABLE Employee ADD DateOfJoining DATE;

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Incorrect

Mark 0.00 out of
1.00

Consider the following tables:

Vendor (VendorId, VendorName, PhoneNumber).

Here VendorId is the primary key.

Item (ItemCode, UnitPrice, QuantityOnHand, VendorId)

Here ItemCode is the primary key and VendorId is the foreign key referencing the VendorId in Vendor Table.

Which is the CORRECT SQL query to display ItemCode, UnitPrice, VendorName for all Items. It should also display the details of the Item which is not having any vendor?

Choose most appropriate option

Select one:

- a. SELECT Item.ItemCode, Item.UnitPrice, Vendor.VendorName FROM Item INNER JOIN Vendor ON Item.VendorId = Vendor.VendorId;
- b. SELECT Item.ItemCode, Item.UnitPrice, Vendor.VendorName FROM Item LEFT OUTER JOIN Vendor ON Item.VendorId = Vendor.VendorId;
- c. SELECT Item.ItemCode, Item.UnitPrice, Vendor.VendorName FROM Item, Vendor WHERE Item.VendorId = Vendor.VendorId;
- d. SELECT Item.ItemCode, Item.UnitPrice, Vendor.VendorName FROM Item INNER JOIN Vendor ON Item.VendorId = Vendor.VendorId AND Item.VendorId IS NULL;

x

The correct answer is: SELECT
Item.ItemCode, Item.UnitPrice, Vendor.VendorName FROM Item LEFT
OUTER JOIN Vendor ON Item.VendorId = Vendor.VendorId;

Correct

Mark 1.00 out of
1.00

The following statement is True/False?

Is it mandatory for foreign key column to have the same data type of primary key in case of writing the query of join to fetch data from multiple tables.

Select one:

- a. True
 b. False

The correct answer is: True

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~~Correct~~

Mark 1.00 out of
1.00

What would be the output of the SQL statement given below?
`SELECT SUBSTR("Accenture",3,4) FROM DUAL;` Choose most appropriate option.

Select one:

a. cent



b. entu

c. ntur

d. centu

The correct answer is: cent

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incorrect

Mark 0.00 out of
1.00

Consider table Customer(cid NUMBER(4), cname VARCHAR2(10)) is created in the database and has no records. Refer to the below statements.

```
COMMIT;  
INSERT INTO Customer VALUES(101,'John');  
INSERT INTO Customer VALUES(102,'James');  
DELETE FROM Customer WHERE cid=101;  
INSERT INTO Customer VALUES(103,'Mark');  
ROLLBACK;  
COMMIT;
```

How many records will be available in the customer table if the above statements are executed in sequential order. Choose the most appropriate option.

Select one:

- a. 0
- b. 2
- c. 1
- d. 3

 Your answer is incorrect.

The correct answer is: 0

Correct

Mark 1.00 out of
1.00

Assume that table Asset(assetId number(2)) is created and 2 records are already inserted and saved.

```
COMMIT;  
DELETE FROM ASSET;  
ROLLBACK;  
INSERT INTO ASSET VALUES(5);  
COMMIT;
```

What would be the output of the below SQL statement after executing the above statements sequentially.

```
SELECT COUNT(*) FROM Asset;
```

Select one:

- a. 0
- b. 2
- c. 1
- d. 3

Your answer is correct.

The correct answer is: 3

~~Correct~~

Mark 1.00 out of
1.00

which of the following code creates a list box from which user can select more than one option?

Select one:

- a. <select name='type' multiple>
<option> P </option>
<option> G </option>
<option> S </option>
</select>



- b. <select type=multiValue>
<option> P </option>
<option> G </option>
<option> S </option>
</select>

- c. <select type=multiple>
<option> P </option>
<option> G </option>
<option> S </option>
</select>

- d. <select name='type' multiValue>
<option> P </option>
<option> G </option>
<option> S </option>
</select>

Your answer is correct.

The correct answer is: <select name='type' multiple>
<option> P </option>
<option> G </option>
<option> S </option>
</select>

~~Correct~~

Mark 1.00 out of
1.00

Refer to the below code:

```
<script>
function helloMessage(){
    var jsName = //Line1 alert('Hello '+jsName+' !')
}
</script>
<form>
Enter First Name : <input type="text" name="firstName"
id="first"><br>
<input type="button" value="Click Here!">
onclick="helloMessage()"
</form>
```

Which is the CORRECT code to be inserted at "Line1" to make the JavaScript run properly? Choose most appropriate option

Select one:

- a. document.getElementByName('first').value;
- b. document.getElement('first').value;
- c. document.getElementById.first.value;
- d. document.getElementById('first').value;

The correct answer is: document.getElementById('first').value;

~~Correct~~

Mark 1.00 out of
1.00

Which of the following attribute is used by a HTML tag to apply inline style? Choose most appropriate option.

Select one:

- a. styleclass
- b. id
- c. style
- d. class

The correct answer is: style

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Correct

Mark 1.00 out of
1.00

Refer the incomplete code given below.

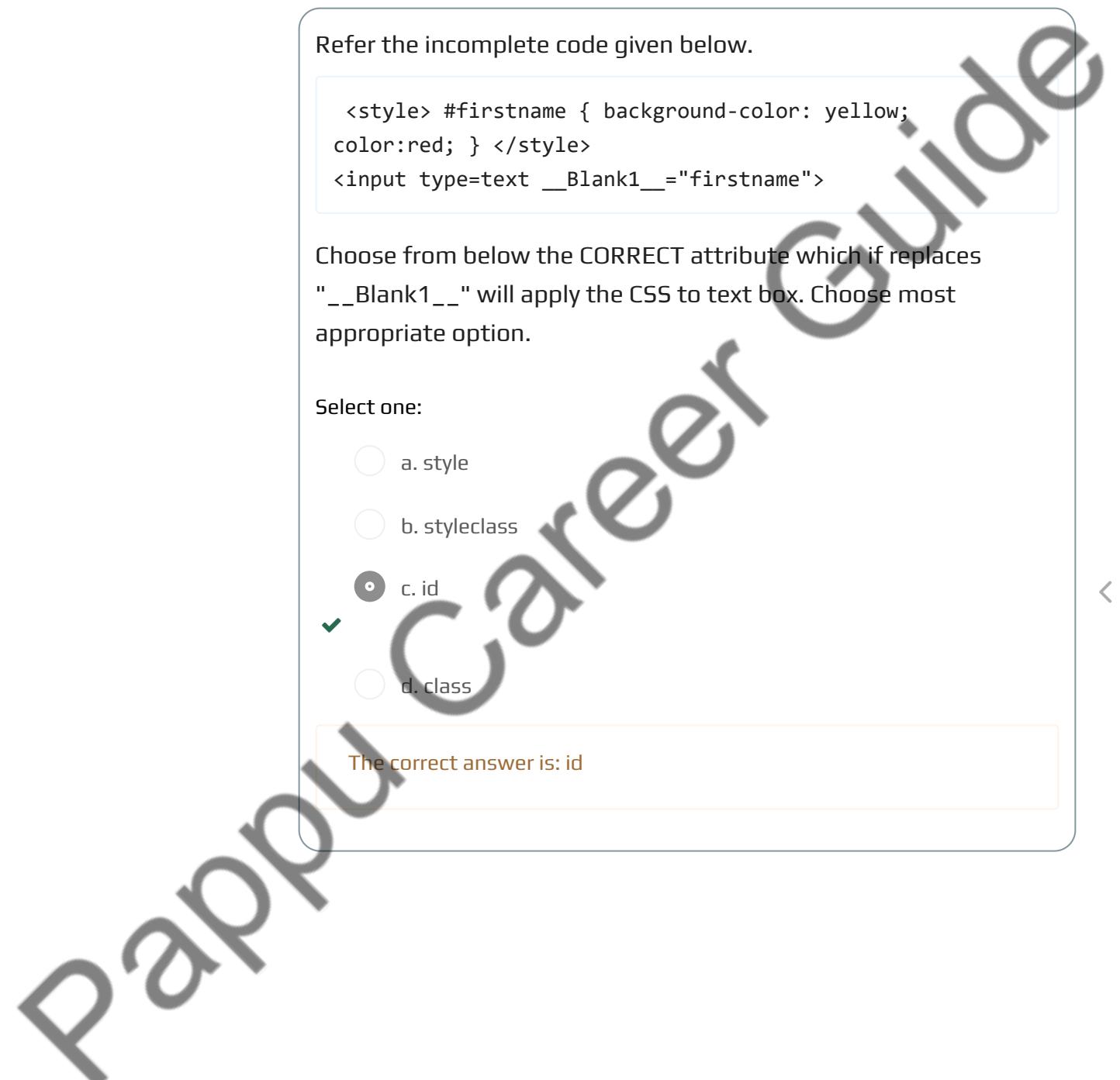
```
<style> #firstname { background-color: yellow;  
color:red; } </style>  
<input type=text __Blank1__="firstname">
```

Choose from below the CORRECT attribute which if replaces
"__Blank1__" will apply the CSS to text box. Choose most
appropriate option.

Select one:

- a. style
- b. styleclass
- c. id
- d. class

The correct answer is: id



~~Correct~~

Mark 1.00 out of
1.00

Refer the incomplete HTML Code given below

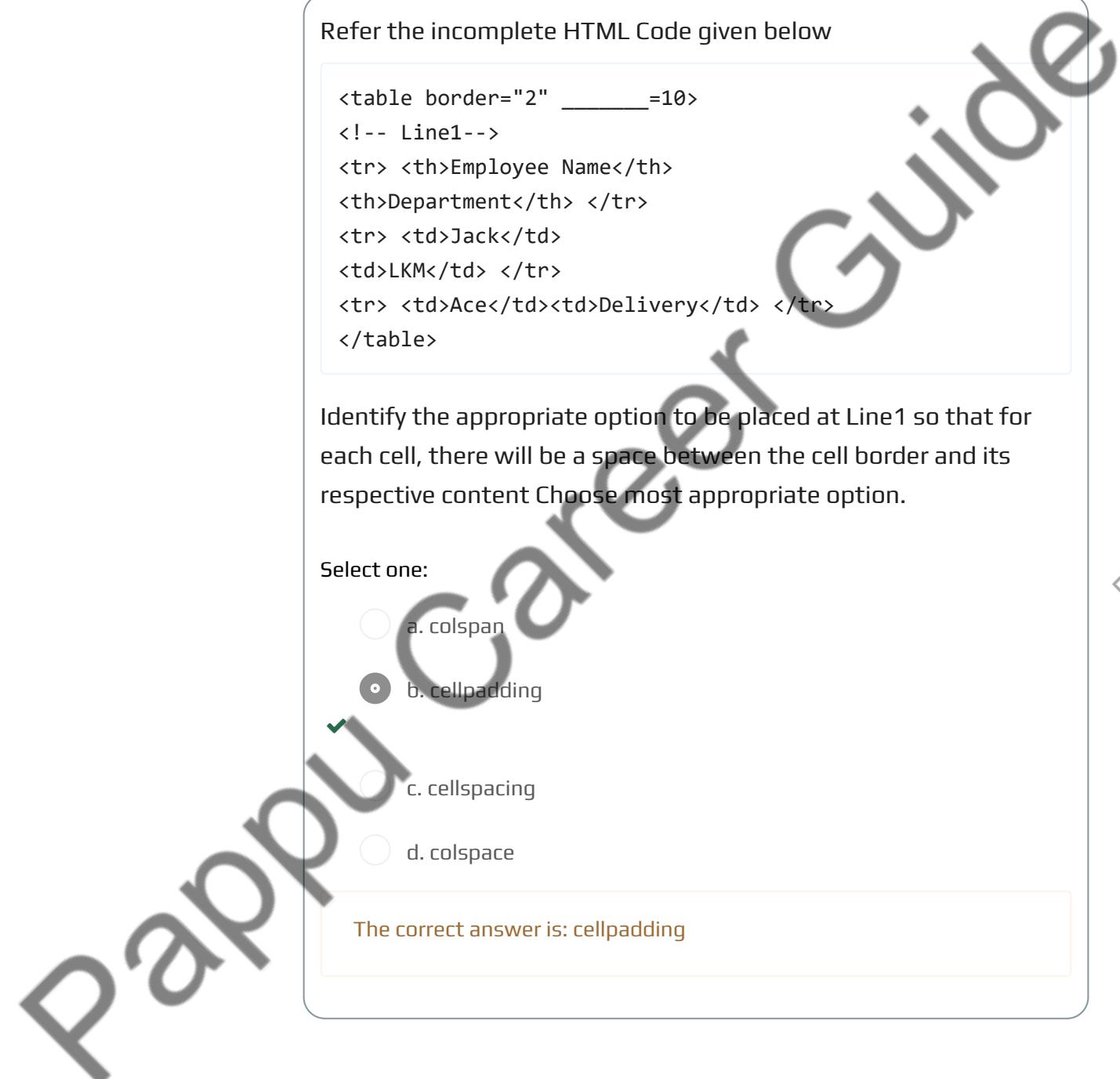
```
<table border="2" _____=10>
<!-- Line1-->
<tr> <th>Employee Name</th>
<th>Department</th> </tr>
<tr> <td>Jack</td>
<td>LKM</td> </tr>
<tr> <td>Ace</td><td>Delivery</td> </tr>
</table>
```

Identify the appropriate option to be placed at Line1 so that for each cell, there will be a space between the cell border and its respective content Choose most appropriate option.

Select one:

- a. colspan
- b. cellpadding
- c. cellspacing
- d. colspace

The correct answer is: cellpadding



Correct

Mark 1.00 out of
1.00

What would be the output of the Javascript code given below?

```
<html>
<body>
<script>
var num1=100;
function test(){
    num2=200;
    var num1=300;
    num1=num2;
}
test();
document.write(num1 + "-" + num2);
</script>
</body>
</html>
```

Select one:

a. 200-200

b. 300-200

c. 100-200



d. 300-100

Your answer is correct.

The correct answer is: 100-200

QUESTION**Correct****Mark 1.00 out of****1.00****SPOT THE ERROR:**

Observe the below algorithm to find the average of three numbers.

Step1: Start

Step2: Get num1, num2, num3

Step3: Add num1, num2, num3 and store it in Sum

Step4: Average=sum%3

Step5: Display Sum and Average

Step6: Stop

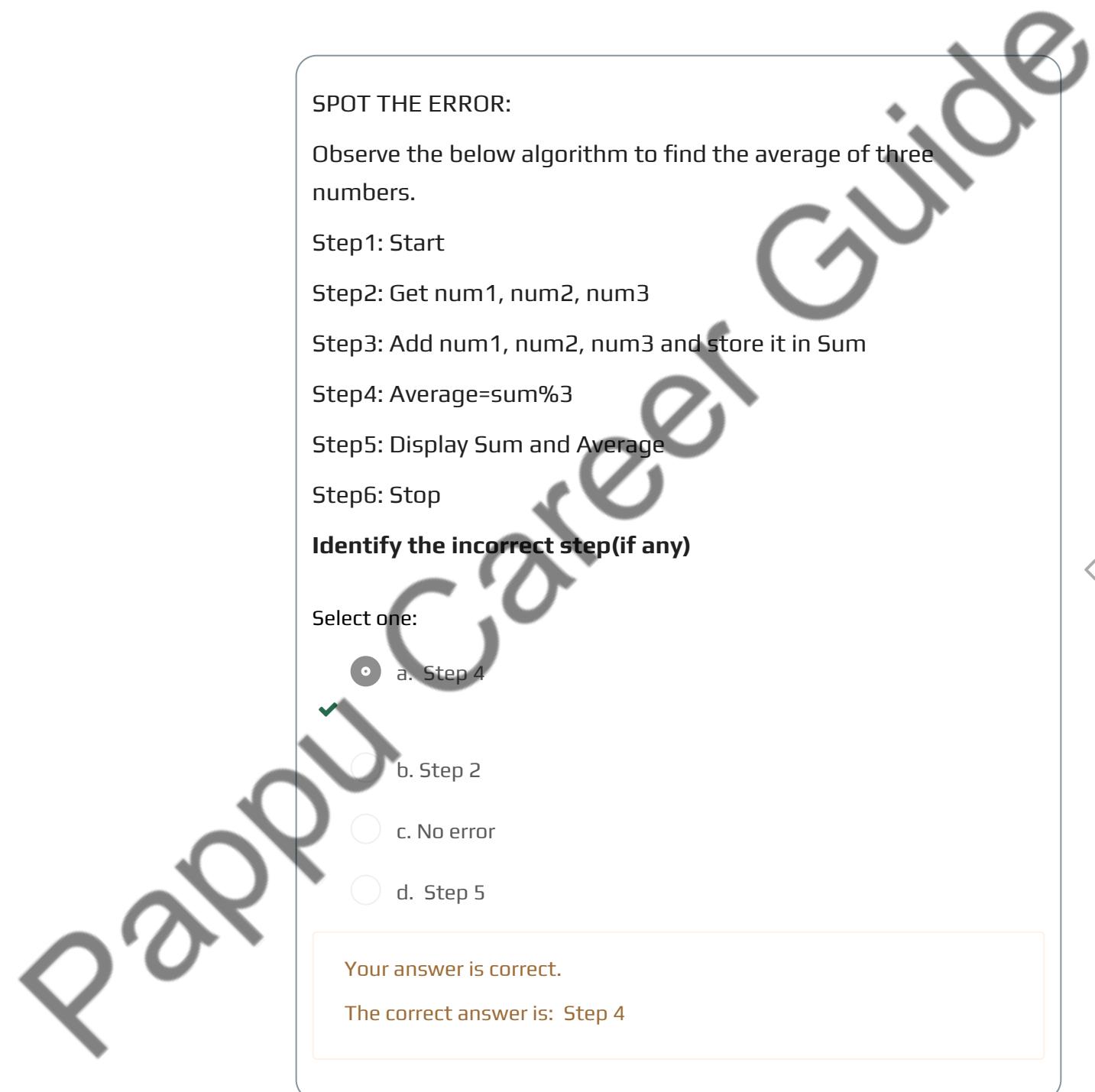
Identify the incorrect step(if any)

Select one:

- a. Step 4
- b. Step 2
- c. No error
- d. Step 5

Your answer is correct.

The correct answer is: Step 4



~~incorrect~~

Mark 0.00 out of
1.00

The given snippet describes _____-

```
BEGIN
    DECLARE marks[10]
    DECLARE number
    SET number TO 0
    FOR index=0 TO 9
        INPUT array[index]
        END FOR
        number= marks[0]
        FOR index=0 TO 9
            IF marks[index] > number THEN
                number =marks[index]
            END IF
        END FOR
        PRINT number
    END
```

Select one:

- a. Sample Pseudocode to find out the maximum number among 10 numbers.
- b. Sample Pseudocode to search an element among 10 numbers.
- c. Sample Pseudocode to find out the minimum number among 10 numbers.
- d. Sample Pseudocode to sort the given array of 10 numbers

✗

The correct answer is: Sample Pseudocode to find out the maximum number among 10 numbers.

~~Correct~~

Mark 1.00 out of
1.00

Carefully read the question and answer accordingly. From the list of input elements one element is taken during each iteration to find its corresponding position. This idea of sorting is said to be
-----.

Select one:

- a. Bubble Sort
- b. selection Sort
- c. Merge sort
- d. insertion sort

 The correct answer is: insertion sort

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~~Correct~~

Mark 1.00 out of
1.00

Carefully read the question and answer accordingly. What operation is processed for each element in the list

Select one:

- a. Sorting
- b. Traversal
- c. Merging
- d. Inserting

The correct answer is: Traversal

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Correct

Mark 1.00 out of
1.00

An algorithm which executes on constant time period can be denoted as

Select one:

- a. $O(n \log n)$
- b. $O(n)$
- c. $O(1)$
- d. $O(n^2)$

The correct answer is: $O(1)$

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~~Correct~~

Mark 1.00 out of
1.00

Which algorithm is the best sorting method in-place with no quadratic worst-case scenarios?

Select one:

a. Quick Sort

b. Heap Sort



c. Bubble Sort

d. Selection Sort

The correct answer is: Heap Sort

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~~Correct~~

Mark 1.00 out of
1.00

What is the time complexity of below function?

```
void cal_fun(int m,int a[])
{
    int i=0,j=0;
    for(;i<m;++)
        while(j<m && a[i] < a[j])
            j++;
}
```

Select one:

a. $O(n \log n)$

b. $O(n^2)$

c. $O(n)$

d. $O(1)$

The correct answer is: $O(n)$

Spartans Mock 1

Question 1

Incorrect

Mark 0.00 out of 1.00

Flag question

Question text

Choose all the statement(s) that are valid.

Select one or more:

- a. A super class is an incomplete class that requires further specification
- b. Two classes in two different packages can have the same name.
- c. There is only single copy of member function in memory when a class is loaded
- d. Static data member have same copy, each associated with the object of class

Feedback

The correct answers are: Two classes in two different packages can have the same name., There is only single copy of member function in memory when a class is loaded, Static data member have same copy, each associated with the object of class

Question 2

Correct

Mark 1.00 out of 1.00

Flag question

Question text

Predict the output:

```
class A
{
    public static void main (String[] args) throws java.lang.Exception
    {
        String str="Two";
        switch (str) {
            case "One":
                System.out.print(1);
            case "Two": System.out.print(3);
            case "Three": System.out.print(4);
```

```
        break;  
    }  
  
}  
}
```

Select one:

- a. error
- b. 34
- c. 4
- d. 134

Feedback

The correct answer is: 34

Question 3

Correct

Mark 1.00 out of 1.00

Flag question

Question text

Identify whether the below statement is True or False: The hierarchy of Reader/Writer class is character-oriented and InputStream/OutputStream class is byte-oriented.

Select one:

- True
- False

Feedback

The correct answer is 'True'.

Question 4

Correct

Mark 1.00 out of 1.00

Flag question

Question text

Predict the output:

```
public class Topper
{
    public static void check() {
        this.display();
    }
    public static void display() {
        System.out.println("Welcome to Java");
    }
    public static void main(String args []) {
        check();
    }
}
```

Select one:

- a. Compile time error
- b. Runtime error
- c. An exception is raised stating that the variable this can only be used within an instance
- d. Welcome to Java

Feedback

The correct answer is: Compile time error

Question 5

Correct

Mark 1.00 out of 1.00

Flag question

Question text

predict the output:

```
public class TestExec {
    public static void main(String args[])
    {
        try
        {
            int avg=0;
            for (int i = -1; i < 3 ;++i)
                avg += (avg / i);
        }
        catch(Exception e)
```

```
{  
    System.out.print("Exception Caught ");  
}  
catch(ArithmeticException e)  
{  
    System.out.print("Arithmetic Exception caught");  
}  
    System.out.print(avg);  
}  
}
```

Select one:

- a. Exception Caught
- b. Compilation Error
- c. 0
- d. Arithmetic Exception caught

Feedback

The correct answer is: Compilation Error

Question 6

Incorrect

Mark 0.00 out of 1.00

Flag question

Question text

```
int disp()  
{  
    int no1,no2=25,no3=25;  
    no1=(no2==no3);  
    System.out.println(no1);  
    return 0;  
}
```

What will be output of the above code?

Select one:

- a. FALSE
- b. TRUE
- c. 25
- d. Complie Time error

Feedback

The correct answer is: Complie Time error

Question 7

Incorrect

Mark 0.00 out of 1.00

[Flag question](#)

Question text

Predict the output:

```
class One
{
    void calculate(int a, int b)
    {
        System.out.println("Class One");
    }
}

class Two extends One
{
    @Override
    void calculate(int a, int b)
    {
        System.out.println("Class Two");
    }
}

class Three extends Two
{
    @Override
    void calculate(int a, int b)
    {
        System.out.println("Class Three");
    }
}

public class Test
{
    public static void main(String[] args)
    {
        One one = new Two();

        one.calculate(10, 20);

        Two two = (Two) one;

        two.calculate(50, 100);
    }
}
```

```
        Three three = (Three) two;  
  
        three.calculate(100, 200);  
    }  
}
```

Select one:

- a. Class One
Class Two
java.lang.ClassCastException
- b. Class One
Class Two
Class Three
- c. java.lang.ClassCastException
- d. Class Two
Class Two
java.lang.ClassCastException

Feedback

The correct answer is: Class Two
Class Two
java.lang.ClassCastException

Question 8

Incorrect

Mark 0.00 out of 1.00

Flag question

Question text

Given the following classes defined in separate files, what will be the effect of compiling and running this class Test? Predict the output:

```
class Shape {  
public void draw() {  
System.out.println("All Shapes");  
}}  
  
class Square extends Shape {  
public void draw() {  
System.out.println("Only Square");  
}}  
  
public class Test
```

```
{  
    public static void main (String args []) {  
        Shape v;  
        Square c;  
        v = new Shape();  
        c = new Square();  
        v.draw();  
        c.draw();  
        v = c;  
        v.draw();  
    }  
}
```

Select one:

- a. All Shapes
Only Square
All Shapes
- b. All Shapes
All Shapes
Only Square
- c. Generates runtime error on the statement v= c;
- d. All Shapes
Only Square
Only Square

Feedback

The correct answer is: All Shapes
Only Square
Only Square

Question 9

Incorrect

Mark 0.00 out of 1.00

Flag question

Question text

```
String str= new String("Hello World");
```

Which of the following calls are valid?

- (A) str.trim()
- (B) str.replace('o', 'A')
- (C) str.substring(3)
- (D) str.toUpperCase()
- (E) str.setCharAt(1,'A')

(F) str.append("xyz")

Select one:

- a. (C), (D) & (E)
- b. (A), (B) & (C)
- c. (A), (C), (D) & (E)
- d. (D) & (E)
- e. (A), (B), (C) & (D)

Feedback

The correct answer is: (A), (B) & (C)

Question 10

Correct

Mark 1.00 out of 1.00

Flag question

Question text

What is the approach of OO ?

Select one:

- a. bundle data seperated from method
- b. bundle data only for security
- c. bundle data and method
- d. bundle method seperated from data

Feedback

The correct answer is: bundle data and method

Question 11

Incorrect

Mark 0.00 out of 1.00

Flag question

Question text

Select the true statement ?

Select one:

- a. Aggregation forms the is-a type of relationship between classes.
- b. Aggregation forms a is-a part of relationship between classes. Composition is the stronger form of Aggregation.
- c. Aggregation is the stronger form of Inheritance.
- d. Inheritance forms a is-a part of relationship between classes.

Feedback

The correct answer is: Aggregation forms a is-a part of relationship between classes. Composition is the stronger form of Aggregation.

Question 12

Incorrect

Mark 0.00 out of 1.00

Flag question

Question text

Select the principle that best describes the given scenario. The airline ticket booking clerk manages the available seats, dates, passenger information, etc while the mechanic maintains information like flight performance, fuel consumption, service intervals, etc

Select one:

- a. Abstraction
- b. Encapsulation
- c. Typing
- d. Polymorphism

Feedback

The correct answer is: Abstraction

Question 13

Incorrect

Mark 0.00 out of 1.00

Flag question

Question text

Select the true statements about Use Case diagram ?

Select one or more:

- a. Captures attributes and methods
- b. Captures dynamic aspects of the system
- c. Captures users of the system
- d. Depicts the boundary of the system

Feedback

The correct answers are: Depicts the boundary of the system, Captures users of the system, Captures dynamic aspects of the system

Question 14

Incorrect

Mark 0.00 out of 1.00

Flag question

Question text

Select the benefits of OOP ?

Select one or more:

- a. Testing
- b. Ease of design
- c. code deployment
- d. Resuability

Feedback

The correct answers are: Ease of design, Resuability

Question 15

Correct

Mark 1.00 out of 1.00

Flag question

Question text

Select the diagram used to depict the building blocks and the static structure of the system ?

Select one:

- a. Class Diagram
- b. Interaction Diagram
- c. Component Diagram
- d. Sequence Diagram

Feedback

The correct answer is: Class Diagram

Question 16

Incorrect

Mark 0.00 out of 1.00

Flag question

Question text

The properties of good program must have_____

Select one:

- a. Poor Design for change
- b. Modules tightly connected
- c. Component dependence
- d. Fault Prevention and fault tolerance

Feedback

Your answer is incorrect.

The correct answer is:

Fault Prevention and fault tolerance

Question 17

Incorrect

Mark 0.00 out of 1.00

Flag question

Question text

A program is said to be _____, if it optimizes the amount of memory and processing time.

Select one:

- a. efficient
- b. modular
- c. robust
- d. documented

Feedback

The correct answer is: efficient

Question 18

Correct

Mark 1.00 out of 1.00

Flag question

Question text

SPOT THE ERROR:

Observe the below algorithm to find the average of three numbers.

Step1: Start

Step2: Get num1, num2, num3

Step3: Add num1, num2, num3 and store it in Sum

Step4: Average=sum%3

Step5: Display Sum and Average

Step6: Stop

Identify the incorrect step(if any)

Select one:

- a.
Step 2
- b.
Step 4
- c. No error
- d.
Step 5

Feedback

Your answer is correct.

The correct answer is:
Step 4

Question 19

Correct

Mark 1.00 out of 1.00

Flag question

Question text

Carefully read the question and answer accordingly. From the list of input elements one element is taken during each iteration to find its corresponding position. This idea of sorting is said to be _____.

Select one:

- a. selection Sort
- b. Merge sort
- c. Bubble Sort
- d. insertion sort

Feedback

The correct answer is: insertion sort

Question 20

Correct

Mark 1.00 out of 1.00

Flag question

Question text

Carefully read the question and answer accordingly. One of the best application of Stack is

Select one:

- a. Radix sort
- b. Recursion
- c. Breadth First Search
- d. Array

Feedback

The correct answer is: Recursion

Question 21

Correct

Mark 1.00 out of 1.00

Flag question

Question text

What is the time complexity of find_count()?

```
int find_count(int i)
{
    int c=0;
    for(int m=0;m<l;m++)
        for(int n=m;n>0;n--)
            c=c+1;
    return c;
}
```

Select one:

- a. theta(n)
- b. theta(n*logn)
- c. theta(n²)
- d. theta(nlognlogn)

Feedback

The correct answer is: theta(n^2)

Question 22

Incorrect

Mark 0.00 out of 1.00

Flag question

Question text

Which algorithm is the best sorting method in-place with no quadratic worst-case scenarios?

Select one:

- a. Quick Sort
- b. Bubble Sort
- c. Heap Sort
- d. Selection Sort

Feedback

The correct answer is: Heap Sort

Question 23

Correct

Mark 1.00 out of 1.00

Flag question

Question text

Carefully read the question and answer accordingly. Which of the following options are correct?

Select one or more:

- a. A tree which does not have any node other than root node is called a null tree
- b. A tree with n nodes has exactly n branches or degree.
- c. None of the options.
- d. A tree which does not have any node other than root node has depth of zero.

Feedback

The correct answers are: A tree which does not have any node other than root node is called a null tree, A tree which does not have any node other than root node has depth of zero.

Question 24

Correct

Mark 1.00 out of 1.00

Flag question

Question text

In which of the given SDLC model, unclear requirements are considered?

Select one:

- a. Spiral Model
- b. Waterfall Model
- c. Prototyping Model
- d. Agile Model

Feedback

The correct answer is: Prototyping Model

Question 25

Correct

Mark 1.00 out of 1.00

Flag question

Question text

The SRS document should be

Select one:

- a. Modifiable
- b. Consistent
- c. All the options
- d. Unambiguous

Feedback

The correct answer is: All the options

Question 26

Incorrect

Mark 0.00 out of 1.00

Flag question

Question text

FlipFlip Shopping cart expects a huge hit ratio to their website, by its customers ,during the festive reason in a month ahead. Anticipating this requirement they would want to replicate the servers to better serve their customer. What type of maintenance is carried out to implement the given scenario?

Select one:

- a. Adaptive Maintenance
- b. Corrective Maintenance
- c. Perfective Maintenance
- d. Preventive Maintenance

Feedback

The correct answer is: Preventive Maintenance

Question 27

Correct

Mark 1.00 out of 1.00

Flag question

Question text

A website for Flight Booking was developed and given to the testing team for testing. It has various fields to enter the data, out of which one of the input field will take the birth year from the user ranging from 1980 to 2060. The boundary values for testing this field are?

Select one:

- a. 0, 1959, 1960, 1961, 1994, 1995, 1996
- b. 1959, 1960, 1994, 1995
- c. 0,2000,2050,2020,1981
- d. 1979,2030,1980,2060,2061
- e. 1979,1980,2060,2061

Feedback

The correct answer is: 1979,1980,2060,2061

Question 28

Correct

Mark 1.00 out of 1.00

Flag question

Question text

Tom and his team uses the SVN(Configuration Management Tool) to do versioning of source code. Tom has pulled out the code from the SVN server to his local machine, updated his task partially and wanted to update the work back to the SVN server. What is the actual process Tom has performed with the SVN server.

Select one:

- a. check out/check in
- b. commit/rollback
- c. fork/join
- d. check in/check out

Feedback

The correct answer is: check out/check in

Question 29

Correct

Mark 1.00 out of 1.00

Flag question

Question text

Predict the output of the below query .

Create view studentdetails select ID, address, name from student;

Select one:

- a. Creates a view named ID with 2 attributes
- b. Query has syntax error
- c. Creates a view named studentdetails with 3 attributes
- d. Creates a view named studentdetails with 1 attribute

Feedback

The correct answer is: Query has syntax error

Question 30

Incorrect

Mark 0.00 out of 1.00

Flag question

Question text

Term used to represent a Table, Record and field in relational database are

Select one:

- a. Attribute, Tuple and Relation
- b. Tuple, Relation and Attribute
- c. Relation, Tuple & Attribute
- d. Relation , Attribute & Tuple

Feedback

The correct answer is: Relation, Tuple & Attribute

Question 31

Correct

Mark 1.00 out of 1.00

Flag question

Question text

Which clause is used with SELECT command to eliminate redundant or duplicate rows?

Select one:

- a. Different
- b. Distinctive
- c. Unique
- d. Distinct

Feedback

The correct answer is: Distinct

Question 32

Correct

Mark 1.00 out of 1.00

Flag question

Question text

Which of the following is not a built in aggregate function in Oracle?

Select one:

- a. Max
- b. Total
- c. Count
- d. Avg

Feedback

The correct answer is: Total

Question 33

Correct

Mark 1.00 out of 1.00

Flag question

Question text

In order to grant 'SELECT' on Employee table to User1, which one of following statement is correct?

Select one:

- a. Grant select to Employee on User1;
- b. Grant select on Employee to User1;
- c. Grant select from Employee to User1;
- d. Grant select to Employee to User1;

Feedback

The correct answer is: Grant select on Employee to User1;

Question 34

Correct

Mark 1.00 out of 1.00

Flag question

Question text

What statements are true with respect to delete and truncate command?

Select one:

- a. Both the commands work in same manner
- b. Both the commands can be reversed
- c. Both the commands cannot be reversed
- d. Delete command can be reversed but truncate cannot be reversed

Feedback

The correct answer is: Delete command can be reversed but truncate cannot be reversed

Question 35

Correct

Mark 1.00 out of 1.00

Flag question

Question text

Which of the following should be used to print lines containing 'manager' in emp.lst?

Select one:

- a. awk 'manager { print }' emp.lst
- b. awk '/manager/ { print }' emp.lst
- c. awk '/manager/ { print }' emp.lst
- d. awk '/manager { print }' emp.lst

Feedback

The correct answer is: awk '/manager/ { print }' emp.lst

Question 36

Correct

Mark 1.00 out of 1.00

Flag question

Question text

Which command in UNIX displays the list of all the users who have logged into the Unix server?

Select one:

- a. users
- b. List users
- c. Who am i
- d. Who

Feedback

The correct answer is: Who

Question 37

Correct

Mark 1.00 out of 1.00

Flag question

Question text

Which of the following is not a feature of UNIX?

Select one:

- a. Portability
- b. User friendly
- c. Multiuser
- d. Multitasking

Feedback

The correct answer is: User friendly

Question 38

Correct

Mark 1.00 out of 1.00

Flag question

Question text

Unix Terminals are called Dummy terminals as they do not have _____ capability.

Select one:

- a. Processing
- b. Output
- c. Input
- d. Display

Feedback

The correct answer is: Processing

Question 39

Correct

Mark 1.00 out of 1.00

Flag question

Question text

Which of the following layer acts as an interface between user and kernel ?

Select one:

- a. Hardware
- b. Shell
- c. Kernel
- d. System Calls

Feedback

The correct answer is: Shell

Question 40

Correct

Mark 1.00 out of 1.00

Flag question

Question text

Consider the sample.txt file and predict the output

Unix is an operating system.

Unix is open source.

Linux is also a powerful OS.

What is the output of grep -c "Unix" sample.txt command?

Select one:

- a. 4
- b. 0
- c. 3
- d. 2

Feedback

The correct answer is: 2

Question 41

Incorrect

Mark 0.00 out of 1.00

Flag question

Question text

What is the output of the following code?

```
<script type="text/javascript">  
var s = "6718654 or 70101?";  
var pattern = /\d{4}/;  
var output = s.match(pattern);  
document.write(output);  
</script>
```

Select one:

- a. 671701
- b. 70101
- c. 6718
- d. 6718654

Feedback

The correct answer is: 6718

Question 42

Correct

Mark 1.00 out of 1.00

Flag question

Question text

What is used in an HTML page to give instruction to the web browser about the version of HTML being used?

Select one:

- a. HEAD
- b. TITLE
- c. DOCTYPE
- d. DOCUMENT

Feedback

The correct answer is: DOCTYPE

Question 43

Correct

Mark 1.00 out of 1.00

Flag question

Question text

In CSS, styles are written under _____ tag which is the child of _____ tag

Select one or more:

- a. style
- b. head
- c. script
- d. body

Feedback

The correct answers are: head, style

Question 44

Correct

Mark 1.00 out of 1.00

Flag question

Question text

What are the new form elements introduced in HTML5

Select one or more:

- a. optgroup
- b. output
- c. datalist
- d. button
- e. keygen

Feedback

The correct answers are: output, keygen, datalist

Question 45

Incorrect

Mark 0.00 out of 1.00

Flag question

Question text

What does the following selector do ?

`$("div")`

Select one:

- a. Selects all div elements within a `<p>` tag
- b. selects the first div element inside a `<p>` tag
- c. Selects all div elements
- d. Selects the first div element

Feedback

The correct answer is: Selects all div elements

Question 46
Correct
Mark 1.00 out of 1.00

[Flag question](#)

Question text

What is the CSS code to remove an underline from all hyperlinks

Select one:

- a. a {text: no-underline;}
- b. a {text-decoration: no-underline;}
- c. a {text-style: no-underline;}
- d. a {text-decoration:none;}

Feedback

The correct answer is: a {text-decoration:none;}

Question 47
Correct
Mark 1.00 out of 1.00

[Flag question](#)

Question text

Identify the well-formed XML code

Select one:

- a. <bookstore>
 <book category="children">
 <title>Harry Potter</title>
 <author>J K. Rowling</author>
 <year>2005</year>
 <price>29.99 </book>
 </bookstore>
- b. <bookstore>
 <book category="children">
 <title>Harry Potter</title>
 <author>J K. Rowling</author>
 <year>2005</year>

- ```
<price>29.99</price>
</bookstore>
```
- c. <bookstore>  
    <book category="children">  
        <title>Harry Potter</title>  
        <author>J K. Rowling</author>  
        <year>2005</year>  
        <price>29.99</price>  
    </book>  
</bookstore>
- d. <bookstore>  
    <book category="children">  
        <title>Harry Potter</title>  
        <author>J K. Rowling</author>  
        <year>2005</year>  
        <price>29.99</price>  
    </book>  
</bookstore>

Feedback

The correct answer is: <bookstore>  
    <book category="children">  
        <title>Harry Potter</title>  
        <author>J K. Rowling</author>  
        <year>2005</year>  
        <price>29.99</price>  
    </book>  
</bookstore>

Question 48

Correct

Mark 1.00 out of 1.00

Flag question

Question text

Which is the correct way to define an empty book element

Select one:

- a. <book>NULL</book>
- b. <book>
- c. <book>empty</book>
- d. <book></book>

Feedback

The correct answer is: <book></book>

Question 49

Correct

Mark 1.00 out of 1.00

Flag question

Question text

Identify the predicate which selects the last Employee element that is the child of the Company element?

Select one:

- a. /Company/Employee[first()-1]
- b. /Company/Employee[last()]
- c. /Company/Employee[first-1]
- d. /Company/Employee[1]

Feedback

The correct answer is: /Company/Employee[last()]

Question 50

Correct

Mark 1.00 out of 1.00

Flag question

Question text

Which is not true about XML

Select one:

- a. All XML Elements Must Have a Closing Tag
- b. XML must be wellformed
- c. XML Tags are not Case Sensitive
- d. XML Elements Must be Properly Nested

Feedback

The correct answer is: XML Tags are not Case Sensitive

# Spartans Mock 2

Question 1

Correct

Mark 1 out of 1

Flag question

Question text

Consider the table Student(StudentId, StudentName, Email, PercentageOfMarks). Which is the CORRECT query to display the details in the ascending order (lowest to highest) of PercentageOfMarks and in the descending order of StudentId in case PercentageOfMarks is the same. Choose most appropriate option

Select one:

- a. SELECT StudentId, StudentName, Email, PercentageOfmarks FROM Student ORDER BY PercentageOfMarks DESC, StudentId DESC;
- b. SELECT StudentId, StudentName, Email, PercentageOfmarks FROM Student ORDER BY StudentId DESC, PercentageOfMarks;
- c. SELECT StudentId, StudentName, Email, PercentageOfmarks FROM Student ORDER BY PercentageOfMarks DESC, StudentId;
- d. SELECT StudentId, StudentName, Email, PercentageOfmarks FROM Student ORDER BY PercentageOfMarks, StudentId DESC;

Feedback

The correct answer is: SELECT StudentId, StudentName, Email, PercentageOfmarks FROM Student ORDER BY PercentageOfMarks, StudentId DESC;

Question 2

Correct

Mark 1 out of 1

Flag question

Question text

The employee tables contains EmployeeId, EmployeeName and DeptCode Columns. Which is the CORRECT SQL query to display the EmployeeId and EmployeeName of employees who are working in DeptCode 10 OR 20?

- (i) SELECT EmployeeId, EmployeeName FROM Employee WHERE DeptCode IN (10,20);
- (ii) SELECT EmployeeId, EmployeeName FROM Employee WHERE DeptCode = 10 OR DeptCode = 20;

Choose most appropriate option.

Select one:

- a. Both (i) and (ii)
- b. Neither (i) nor (ii)
- c. Only (ii)
- d. Only (i)

Feedback

The correct answer is: Both (i) and (ii)

Question 3

Incorrect

Mark 0 out of 1

Flag question

Question text

Which is the CORRECT SQL Query to display names of employees which has only 3 letters that starts with 'A' and ends with 'e'? Choose most appropriate option.

Select one:

- a. SELECT EmployeeName FROM Employee WHERE EmployeeName LIKE 'A%e';
- b. SELECT EmployeeName FROM Employee WHERE EmployeeName LIKE '\_\_e';
- c. SELECT EmployeeName FROM Employee WHERE EmployeeName LIKE 'A\_e';
- d. SELECT EmployeeName FROM Employee WHERE EmployeeName = 'A\_e';

Feedback

The correct answer is: SELECT EmployeeName FROM Employee WHERE EmployeeName LIKE 'A\_e';

Question 4

Correct

Mark 1 out of 1

Flag question

Question text

Which is the CORRECT SQL statement to add the new column "DateOfJoining" to an existing table "Employee"? Choose most appropriate option.

Select one:

- a. ALTER TABLE Employee ADD DateOfJoining DATE;
- b. ALTER TABLE Employee MODIFY DateOfJoining DATE;
- c. ALTER TABLE Employee UPDATE DateOfJoining DATE;
- d. CREATE TABLE Employee ADD DateOfJoining DATE;

Feedback

The correct answer is: ALTER TABLE Employee ADD DateOfJoining DATE;

Question 5

Incorrect

Mark 0 out of 1

Flag question

Question text

Assume that table Employee is created with foreign key column managerid referring to empid column of same table and the following records are inserted.

| EMPID | EMPNAME | MANAGERID |
|-------|---------|-----------|
| 1001  | James   | NULL      |
| 1002  | Mark    | 1001      |
| 1003  | Mary    | 1002      |
| 1004  | Mark    | 1001      |

How many rows will be deleted after executing the below DML statement? DELETE FROM employee WHERE empid=1001; Choose most appropriate option.

Select one:

- a. 3
- b. Error: Integrated constraint violated. Child record found
- c. 1
- d. 2

Feedback

The correct answer is: Error: Integrated constraint violated. Child record found

**Question 6**

Correct

Mark 1 out of 1

[Flag question](#)**Question text**

Consider table Students(sid NUMBER(3),sname VARCHAR2(10),scontact NUMBER(10) ) is already created in the database.

It is required to change the data type of the column "scontact" to VARCHAR2(15).

Which of the following is Correct for the above requirement?

Note: sid column is primary key. Choose most appropriate option.

Select one:

- a. There are no criteria to be followed. We can change the datatype of the column irrespective of the data
- b. It is not possible to change the data type of a column
- c. To change the data type of a column, it is important to ensure that the corresponding column is not having data for any of the record
- d. Data type can be changed only for primary key column

**Feedback**

The correct answer is: To change the data type of a column, it is important to ensure that the corresponding column is not having data for any of the record

**Question 7**

Partially correct

Mark 1 out of 1

[Flag question](#)**Question text**

Assume that table Project is created using the DDL statement given below and has no records.

```
CREATE TABLE Project(projectId VARCHAR2(4) CONSTRAINT proj_pk PRIMARY KEY,
 projectName VARCHAR2(10) DEFAULT 'NA' CONSTRAINT proj_nn NOT NULL);
```

Identify the INSERT statements which would successfully insert record into Project table. Choose two most appropriate options.

Select one or more:

- a. INSERT INTO project(projectName,projectId) VALUES('NA','P4' );
- b. INSERT INTO project(projectId) VALUES('P2');
- c. INSERT INTO project(projectId, projectName) VALUES('P3', Null);
- d. INSERT INTO project VALUES('P1');

Feedback

The correct answers are: INSERT INTO project(projectName,projectId) VALUES('NA','P4' );, INSERT INTO project(projectId) VALUES('P2');

Question 8

Correct

Mark 1 out of 1

Flag question

Question text

Which of the following statement(s) is/are TRUE?

- (i) In a subquery, the inner query is responsible for giving result.
- (ii) In a subquery, the outer query is responsible to display output.

Choose most appropriate option

Select one:

- a. Only (i)
- b. Neither (i) nor (ii)
- c. Only (ii)
- d. Both (i) and (ii)

Feedback

The correct answer is: Both (i) and (ii)

Question 9

Incorrect

Mark 0 out of 1

[Flag question](#)

Question text

Consider table Customer(cid NUMBER(4), cname VARCHAR2(10)) has some records. Identify the appropriate ALTER statements (choose 2) which executes on table Customer [ Note: There is no null value for any column]

Select one or more:

- a. ALTER TABLE Customer MODIFY cname VARCHAR2(15);
- b. ALTER TABLE Customer MODIFY cid NUMBER(2);
- c. ALTER TABLE Customer ADD dob DATE DEFAULT '30-Jun-1995';
- d. ALTER TABLE Customer ADD CONSTRAINT cust\_name NOT NULL(cname);

[Feedback](#)

The correct answers are: ALTER TABLE Customer ADD dob DATE DEFAULT '30-Jun-1995';, ALTER TABLE Customer MODIFY cname VARCHAR2(15);

Question 10

Incorrect

Mark 0 out of 1

[Flag question](#)

Question text

Consider the Tables given below:

Product(productId,productName)

ProductOrder(orderId,productId,quantity)

productId column of ProductOrder is a Foreign key referring to Product Table

Identify the appropriate SQL statement which will fetch the productId,productName and orderId for all the Products ordered. If no orders exist for a product, display those product id and productname with value for orderId column as "Yet to be Ordered".

Choose appropriate query for the above requirement.

Select one:

- a. SELECT p1.productId,p1.productName,NVL("Yet to be Ordered",p2.orderId) FROM Product p1 LEFT OUTER JOIN ProductOrder p2 ON p1.productId=p2.productId;

- b. SELECT p1.productId,p1.productName,NVL(p2.orderId,"Yet to be Ordered") FROM Product p1 RIGHT OUTER JOIN ProductOrder p2 ON p1.productId=p2.productId;
- c. SELECT p1.productId,p1.productName,NVL(p2.orderId,"Yet to be Ordered") FROM Product p1 INNER JOIN ProductOrder p2 ON p1.productId=p2.productId;
- d. SELECT p1.productId,p1.productName,NVL(p2.orderId,"Yet to be Ordered") FROM Product p1 LEFT OUTER JOIN ProductOrder p2 ON p1.productId=p2.productId;

Feedback

The correct answer is: SELECT p1.productId,p1.productName,NVL(p2.orderId,"Yet to be Ordered") FROM Product p1 LEFT OUTER JOIN ProductOrder p2 ON p1.productId=p2.productId;

Question 11

Correct

Mark 1 out of 1

Flag question

Question text

Which of the following can be created as a table level constraint?

- (i) primary Key
- (ii) foreign key
- (iii) unique

Choose most appropriate option.

Select one:

- a. (i) and (iii)
- b. (i), (ii) and (iii)
- c. (i) and (ii)
- d. (i) only

Feedback

The correct answer is: (i), (ii) and (iii)

Question 12

Correct

Mark 1 out of 1

Flag question

#### Question text

Consider table Department(deptId,deptName). Which of the following query is used to display the department details whose deptname has second letter as 'a' and second last letter as 'e'? Choose most appropriate option.

Select one:

- a. SELECT \* FROM department WHERE deptname LIKE "\_a%e\_";
- b. SELECT \* FROM department WHERE deptname LIKE "a%e\_";
- c. SELECT \* FROM department WHERE deptname LIKE "a%e%";
- d. SELECT \* FROM department WHERE deptname LIKE "%a%e\_";

#### Feedback

The correct answer is: SELECT \* FROM department WHERE deptname LIKE "\_a%e\_";

#### Question 13

Incorrect

Mark 0 out of 1

Flag question

#### Question text

Consider a table with the name Project is created using the SQL statement given below

```
CREATE TABLE Project(
projectid VARCHAR2(10) CONSTRAINT pkey PRIMARY KEY,
projectname VARCHAR2(10) CONSTRAINT pnull NOT NULL,
employeecount NUMBER(2) DEFAULT 0);
```

Which of the following statements insert record successfully to the Project table [Choose 2]

Select one or more:

- a. INSERT INTO project(projectid,employeecount) VALUES('P3',10);
- b. INSERT INTO project(projectid,projectname) VALUES('P2','Finance');
- c. INSERT INTO project VALUES('P1','Finance',20);
- d. INSERT INTO project VALUES('P1','Finance');

#### Feedback

Your answer is incorrect.

The correct answers are: INSERT INTO project VALUES('P1','Finance',20);, INSERT INTO project(projectid,projectname) VALUES('P2','Finance');

#### Question 14

Incorrect

Mark 0 out of 1

Flag question

Question text

Consider the below tables.

Event(eventId,eventName) – eventId is primary key

Employee(empld, empName, eventId) – empld is primary key and eventId is foreign key referring to Event table.

Identify the correct SQL statement to retrieve empid, empname and eventName for all employees. If employee has not registered for an event then it should display 'Not Registered'.

Select one:

- a. SELECT e1.empld, e1.empName, NVL(e2.eventName,'Not Registered') FROM event e2 INNER JOIN employee e1 ON e2.eventId=e1.eventId;
- b. SELECT e1.empld, e1.empName, NVL(e2.eventName,'Not Registered') FROM employee e1 RIGHT OUTER JOIN event e2 ON e1.eventId=e2.eventId;
- c. SELECT e1.empld, e1.empName, NVL(e2.eventName,'Not Registered') FROM event e2 LEFT OUTER JOIN employee e1 ON e2.eventId=e1.eventId;
- d. SELECT e1.empld, e1.empName, NVL(e2.eventName,'Not Registered') FROM employee e1 LEFT OUTER JOIN event e2 ON e1.eventId=e2.eventId;

Feedback

Your answer is incorrect.

The correct answer is: SELECT e1.empld, e1.empName, NVL(e2.eventName,'Not Registered') FROM employee e1 LEFT OUTER JOIN event e2 ON e1.eventId=e2.eventId;

Question 15

Correct

Mark 1 out of 1

Flag question

Question text

Consider Project table given below.

PROJECTID EMPLOYEEID

-----  
1

-----  
10

|   |    |
|---|----|
| 2 | 11 |
| 1 | 13 |

Identify the correct SQL statement to display the projectId which has more than one employee.

Select one:

- a. SELECT DISTINCT projectId FROM project WHERE projectId IN( SELECT projectId FROM project GROUP BY projectId WHERE COUNT(employeeId)>1);
- b. SELECT DISTINCT projectId FROM project WHERE projectId IN( SELECT projectId FROM project WHERE COUNT(employeeId)>1);
- c. SELECT DISTINCT projectId FROM project WHERE projectId IN( SELECT projectId FROM project HAVING COUNT(employeeId)>1);
- d. SELECT DISTINCT projectId FROM project WHERE projectId IN( SELECT projectId FROM project GROUP BY projectId HAVING COUNT(employeeId)>1);

Feedback

Your answer is correct.

The correct answer is: SELECT DISTINCT projectId FROM project WHERE projectId IN( SELECT projectId FROM project GROUP BY projectId HAVING COUNT(employeeId)>1);

Question 16

Incorrect

Mark 0 out of 1

Flag question

Question text

What will be the output of the following Java code?

```
public class ApplicationTester
{
 public static void main(String[] args)
 {
 String s1 = "One";
 String s2 = "One";
 System.out.println((s1==s2) + " " + s1.equals(s2));
 }
}
```

Choose the most appropriate option.

Select one:

- a. true false
- b. false true
- c. true true

d. false false

Feedback

The correct answer is: true true

Question 17

Incorrect

Mark 0 out of 1

[Flag question](#)

Question text

What will be the output of the following Java code?

```
public class ApplicationTester
{
 public static void main(String[] args)
 {
 int i;
 for(i = 1; i <=3; i++);
 {
 System.out.println(i);
 }
 System.out.println(i);
 }
}
```

Choose the most appropriate option.

Select one:

- a. 4 will be displayed twice on the console
- b. 1 to 3 will be displayed on the console
- c. 3 will be displayed twice on the console
- d. 1 to 4 will be displayed on the console

Feedback

The correct answer is: 4 will be displayed twice on the console

Question 18

Correct

Mark 1 out of 1

Flag question

Question text

What will be the output of the following Java code?

```
public class Rectangle
{
 private int length;
 private int width;
 public static void main(String[] args)
 {
 Rectangle rectangle1 = new Rectangle();
 rectangle1.length=10;
 rectangle1.width=5;
 Rectangle rectangle2 = rectangle1;
 System.out.println("Length : "+rectangle2.length);
 System.out.println("Width : "+rectangle2.width);
 }
}
```

Choose the most appropriate option.

Select one:

- a. Length : 10 Width : 5
- b. Length: 5 Width: 10
- c. Length : null Width : null
- d. Length : 0 Width : 0

Feedback

The correct answer is: Length : 10 Width : 5

Question 19

Incorrect

Mark 0 out of 1

Flag question

Question text

What will be the output of the following Java code?

```
public class StringTester
```

```
{
public static void main(String[] args)
{
 String player1 = new String ("virat kohli");
 String player2 = new String("GAYLE");
 player1.toUpperCase();
 String newPlayer=player1.substring(6);
 newPlayer = newPlayer + player2.toLowerCase();
 System.out.println(newPlayer);
}
}
```

Choose the most appropriate option.

Select one:

- a. KOHLI gayle
- b. kohligayle
- c. kohliGAYLE
- d. KOHLLgayle

Feedback

The correct answer is: kohligayle

Question 20

Incorrect

Mark 0 out of 1

Flag question

Question text

What will be the output of the following Java code?

```
class Vehicle
{
 public Vehicle()
 {
 System.out.print("Default ");
 }
}
class Car extends Vehicle
{
 public Car(String carName)
 {
 System.out.print(carName + "");
 }
}
public class InheritanceTester
```

```
{
 public static void main(String[] args)
 {
 Car car=new Car("Ford");
 }
}
```

Choose the most appropriate option.

Select one:

- a. Default Ford
- b. Ford Default
- c. Compilation error: Parent class 'Vehicle' does not have parameterized constructor
- d. Ford

Feedback

The correct answer is: Default Ford

Question 21

Correct

Mark 1 out of 1

Flag question

Question text

Consider the Java code given below. How many times "Hello "; will be printed when the code is executed?

```
public class ApplicationTester
{
 public static void main(String[] args)
 {
 int i = 0;
 do
 {
 System.out.println("Hello");
 i++;
 } while(i <= 1);
 }
}
```

Choose the most appropriate option.

Select one:

- a. 1 time
- b. 2 times

- c. Nothing will be printed
- d. 3 times

Feedback

The correct answer is: 2 times

Question 22

Correct

Mark 1 out of 1

Flag question

Question text

Which of the following statement/s is/are TRUE?

- (1) Abstract method can have body
  - (2) Abstract class cannot be instantiated
  - (3) Abstract class can have constructor
- Choose the most appropriate option.

Select one:

- a. Both (2) and (3) are TRUE
- b. Only (2) is TRUE
- c. Both (1) and (3) are TRUE
- d. Both (1) and (2) are TRUE

Feedback

The correct answer is: Both (2) and (3) are TRUE

Question 23

Correct

Mark 1 out of 1

Flag question

Question text

class Test

```
{
static
{
 System.out.println("A");
}
}
public class Demo
{
static
{
 System.out.println("B");
}
public static void main(String[] args)
{
 Test t=new Test();
}
static
{
 System.out.println("D");
}
}
```

Choose the most appropriate option.

Select one:

- a. A B D
- b. B A D
- c. A D B
- d. B D A

Feedback

The correct answer is: B D A

Question 24

Incorrect

Mark 0 out of 1

Flag question

Question text

What will be the output of the following Java code?

```
public class Employee
{
 private static int employeeCount;
 public Employee()
 {
```

```
 employeeCount++;
 //Line-1
 }
 public static int getEmployeeCount()
 {
 return Employee.employeeCount;
 }
}
public class StaticTester
{
 public static void main(String[] args)
 {
 Employee emp1 = new Employee();
 Employee emp2 = new Employee();
 Employee emp3 = new Employee();
 System.out.println(Employee.getEmployeeCount());
 }
}
```

Choose the most appropriate option.

Select one:

- a. 3
- b. Compilation error at Line-1: Cannot use static member 'employeeCount' in a non-static context
- c. 1
- d. 0

Feedback

The correct answer is: 3

Question 25

Incorrect

Mark 0 out of 1

Flag question

Question text

Accenture developed a Java based Application (Vendor Management System) for New Codington city. The product was delivered to New Codington after successful testing on Windows platform. New Codington wants to run the application on their desktop which has Linux platform. What are the MINIMUM resources needed to successfully run the application? Choose the most appropriate option.

Select one:

- a. JDK on Windows
- b. JVM on Linux

- c. JDK on Linux
- d. JVM on Windows

Feedback

The correct answer is: JVM on Linux

Question 26

Correct

Mark 1 out of 1

Flag question

Question text

What will be the output of the following Java code?

```
public class ApplicationTester
{
 public static void main(String[] args)
 {
 int[] array = {11,22,33,44,55,11};
 int searchNumber = 11, position=999;
 for(int index=0; index < array.length; index++)
 {
 if(searchNumber == array[index])
 {
 position = index;
 }
 } System.out.println(position);
 }
}
```

Choose the most appropriate option.

Select one:

- a. 0
- b. 1
- c. 5
- d. 6

Feedback

The correct answer is: 5

Question 27

Correct

Mark 1 out of 1

Flag question

Question text

What will be the output of the following Java code?

```
public class Tester
{
 public static void main(String[] args)
 {
 int array[] ={1,2,4,2,5,2,6};
 int pos=-1; int value=2;
 int itr;
 for (itr = 0; itr < array.length; itr++)
 {
 if(array[itr]!=value)
 {
 continue;
 } pos=itr;
 }
 System.out.println(pos);
 }
}
```

Choose the most appropriate option.

Select one:

- a. -1
- b. 6
- c. 1
- d. 5

Feedback

The correct answer is: 5

Question 28

Correct

Mark 1 out of 1

Flag question

Question text

What is the output of the below code?

```
public class Calculator
{
 public static void main(String[] args)
 {
 int result = 0;
 Calculator calculator = new Calculator();
 calculator.add(10, 20, result);
 System.out.println("Result : " + result);
 }
 public void add(int num1, int num2, int result)
 {
 result = num1 + num2;
 }
}
```

Choose the most appropriate option.

Select one:

- a. Result: 20
- b. Result : null
- c. Result : 30
- d. Result : 0

Feedback

The correct answer is: Result : 0

Question 29

Correct

Mark 1 out of 1

Flag question

Question text

Predict the line of code

```
Abstract class Base1
{
 protected void getDetails()
 {
 System.out.println("Base method");
 }
 public Abstract void demomethod();
}
Abstract class Base2 extends Base1
{
```

```
 public Abstract void samplmethod();
}
class Derived extends Base2
{
 //Line1
}
```

Select one:

- a. only "samplmethod" need to overrided in Dervied class
- b. Derived class need to override both "samplmethod" and "demomethod"
- c. none of the option
- d. Error: abstract class can't extends other abstract class

Feedback

The correct answer is: Derived class need to override both "samplmethod" and "demomethod"

Question 30

Correct

Mark 1 out of 1

Flag question

Question text

Predict the output of the following Java code.

```
public class Customer
{
 public void getCustomer(String customer_name)
 {
 System.out.println("Customer name is : "+customer_name);
 }
 public void getCustomer(int customerId, String customer_location)
 {
 System.out.println("Customer location : "+customer_location+ " & Customer Id : "+customerId);
 }
 public void getCustomer(int customerId, float reward_points)
 {
 System.out.println("Customer Id : "+customerId+ " & reward points till date is "+reward_points);
 }
 public static void main(String[] args)
 {
 Customer c = new Customer();
 c.getCustomer("Smith");
 }
}
```

```
 c.getCustomer(1232,560.0f);
 c.getCustomer(1232, "Florida");
 }
}
```

Choose the most appropriate option.

Select one:

- a. Compilation Error. The method getCustomer(int, String) in the type Customer is not applicable for the arguments (int, float)
- b. Customer name is : Smith  
Customer Id : 1232 & reward points till date is :560.0  
Customer location : Florida & Customer Id : 1232
- c. Customer name is : Smith  
Customer location : Florida & Customer Id : NULL  
Customer Id : NULL & reward points till date is :560
- d. Customer name is : Smith  
Customer location : Florida reward points till date is :560  
Customer location : Florida & Customer Id : 1232

Feedback

The correct answer is: Customer name is : Smith  
Customer Id : 1232 & reward points till date is :560.0  
Customer location : Florida & Customer Id : 1232

Question 31

Incorrect

Mark 0 out of 1

Flag question

Question text

What will be the output of the following Java code?

```
public class MyClass
{
 private static int count;
 static
 {
 MyClass.count = 100;
 //Line-1
 int count = 100;
 //Line-2
 }
 public MyClass()
 {
 count++ ;
```

```
 }
 public static int getCount()
 {
 return count;
 }
}
public class StaticTester
{
 public static void main(String[] args)
 {
 MyClass ref1 = new MyClass();
 MyClass ref2 = new MyClass();
 System.out.println(ref1.getCount());
 }
}
```

Choose the most appropriate option.

Select one:

- a. 2
- b. 102
- c. Compilation error at Line-2: Duplicate variable 'count'
- d. Compilation error at Line-1: Invalid variable reference 'MyClass.count'

Feedback

The correct answer is: 102

Question 32

Incorrect

Mark 0 out of 1

Flag question

Question text

Consider the Java code given below. After the execution of the code what will be the content of "array2" ?

```
public class Tester
{
 public static void main(String[] args)
 {
 int array1[] = {71,12,23,34};
 int array2[] = new int[4];
 int count = 0;
 for (int i = 0; i < array2.length; i++)
 {
 if(array1[i]%2==0)
 {

```

```
 array2[count]=array1[i];
 count++;
 }
}
}
```

Choose the most appropriate option.

Select one:

- a. 12 0 34 0
- b. 12 34 0 0
- c. 0 0 12 34
- d. 12 34

Feedback

The correct answer is: 12 34 0 0

Question 33

Correct

Mark 1 out of 1

Flag question

Question text

What will be the output of the following Java code?

```
class Base
{
 protected void getDetails()
 {
 System.out.println("Base method");
 }
}
class Derived extends Base
{
 private void getDetails()
 {
 System.out.println("Derived method");
 }
}
public class Main
{

 public static void main(String[] args)
 {
 Base obj=new Derived();
```

```
 obj.getDetails();
 }
}
```

Select one:

- a. prints both "Base method" "Derived method"
- b. compilation error :weaker access privileges
- c. Prints "Dervied method"
- d. Prints "Base method"

Feedback

The correct answer is: compilation error :weaker access privileges

Question 34

Incorrect

Mark 0 out of 1

Flag question

Question text

What will be the output of the following Java code?

```
Employee.java public class Employee
{
 private double salary;
 public Employee()
 {
 this.salary = 10000.0;
 }
 public static void updateSalary(Employee emp)
 {
 emp.salary = emp.salary + 10000.0;
 //Line-1
 }
 public double getSalary()
 {
 return this.salary;
 }
}
ApplicationTester .java public class ApplicationTester
{
 public static void main(String[] args)
 {
 Employee emp1 = new Employee();
```

```
Employee emp2 = new Employee();
Employee.updateSalary(emp1);
System.out.println(emp1.getSalary() + " " + emp2.getSalary());
}
}
```

Choose the most appropriate option.

Select one:

- a. 10000.0 10000.0
- b. 20000.0 10000.0
- c. 0.0 10000.0
- d. Compilation error at Line-1: Cannot 'emp.salary' in a static context

Feedback

The correct answer is: 20000.0 10000.0

Question 35

Correct

Mark 1 out of 1

Flag question

Question text

What will be the output of the following Java code?

```
public class ApplicationTester
{
 public static void main(String[] args)
 {
 int[] array = {-9,-11-8,-100,-78};
 int minimum = 0;
 for(int index=0; index < array.length; index++)
 {
 if(minimum < array[index])
 { minimum = array[index];
 }
 }
 System.out.println(minimum);
 }
}
```

Choose the most appropriate option.

Select one:

- a. 0
- b. -8
- c. null
- d. -100

Feedback

The correct answer is: 0

Question 36

Correct

Mark 1 out of 1

Flag question

Question text

Given the below code. What is output ?

```
class Currency
{
 private String country = "Canada";
 public String getC()
 {
 return country;
 }
}
class JapeneseYen extends Currency
{
 public String getC()
 {
 return super.country; //Line 12
 }
}
public class AustralianDollar extends Currency
{
 public String getC(int x)
 {
 return super.getC();
 }
 public static void main(String[] args)
 {
 System.out.print(new JapeneseYen().getC() + " " + new AustralianDollar().getC());
 }
}
```

Choose most appropriate option.

Select one:

- a. null null
- b. Canada null
- c. null Canada
- d. Canada Canada
- e. Compilation fails due to an error on line 12 ";country is not visible ";

Feedback

The correct answer is: Compilation fails due to an error on line 12 ";country is not visible ";

Question 37

Incorrect

Mark 0 out of 1

Flag question

Question text

Refer the incomplete code given below.

```
<style>
 #firstname {
 background-color: yellow;
 color:red;
 }
</style>
<input type=text __Blank1__='firstname'>
```

Choose the CORRECT attribute which if replaces '\_\_Blank1\_\_' will apply the CSS to text box.

Choose most appropriate option.

Select one:

- a. class
- b. style
- c. id
- d. styleclass

Feedback

Your answer is incorrect.

The correct answer is: id

Question 38

Incorrect

Mark 0 out of 1

Flag question

Question text

which of the following code creates a list box from which user can select more than one option?

Select one:

a. <select type="multiValue"><br /><option> P </option><br /><option> G </option><br /><option> S </option><br /></select>

b. <select name='type' multiple><br /><option> P </option><br /><option> G </option><br /><option> S </option><br /></select>

c. <select name='type' multiValue><br /><option> P </option><br /><option> G </option><br /><option> S </option><br /></select>

d. <select type="multiple"><br /><option> P </option><br /><option> G </option><br /><option> S </option><br /></select>

Feedback

Your answer is incorrect.

The correct answer is: <select name='type' multiple><br /><option> P </option><br /><option> G </option><br /><option> S </option><br /></select>

Question 39

Correct

Mark 1 out of 1

Flag question

Question text

'link', 'vlink' and 'alink' are attributes of which HTML tag?

Choose the most appropriate option.

Select one:

- a. <head>
- b. <a>
- c. <img>
- d. <body>

Feedback

Your answer is correct.

The correct answer is: <body>

Question 40

Correct

Mark 1 out of 1

Flag question

Question text

which of the following is block level html tags?

Select one:

- a. <h6>
- b. <b>
- c. <i>
- d. <a>

Feedback

Your answer is correct.

The correct answer is: <h6>

Question 41  
Correct  
Mark 1 out of 1

Flag question

Question text

```
<!DOCTYPE html>
<html>
<body>
<script>
var x = (3 + 3) + 4 + "6"; alert(x); //line 1
</script>
</body>
</html>
```

What will be printed in alert box in line 1? Choose most appropriate option.

Select one:

- a. 16
- b. 646
- c. 3346
- d. 106

Feedback

The correct answer is: 106

Question 42  
Incorrect  
Mark 0 out of 1

Flag question

Question text

Refer the incomplete HTML Code given below

```
<table border="2" _____=10>
<tr> <th>Employee Name</th>
<th>Department</th> </tr>
<tr> <td>Jack</td>
<td>LKM</td> </tr>
<tr> <td>Ace</td><td>Delivery</td> </tr>
```

</table>

Identify the appropriate option to be placed in the spaceso that for each cell, there will be a space between the cell border and its respective content Choose most appropriate option.

Select one:

- a. cellpadding
- b. cellspacing
- c. colspan
- d. colspace

Feedback

The correct answer is: cellpadding

Question 43

Correct

Mark 1 out of 1

Flag question

Question text

In HTML, Which of the following is used to merge columns in a table? Choose most appropriate option.

Select one:

- a. colspan
- b. cspan
- c. columns-span
- d. columnspan

Feedback

The correct answer is: colspan

Question 44

Correct

Mark 1 out of 1

Flag question

Question text

What would be the Output of the below java script Code?

```
<html> <body>
<script>
 var x = 5; var d = (x != "5");
document.write(d + "--");
d = (x === "5"); document.write(d);
</script> </body>
</html>
```

Choose most appropriate option.

Select one:

- a. true--true
- b. false--false
- c. false--true
- d. true--false

Feedback

The correct answer is: false--false

Question 45

Incorrect

Mark 0 out of 1

Flag question

Question text

What would be the color of the text "Bengaluru" and "India" while executing the below html and css code?  
Assume that "Black" is the default color if there is no style applied.

```
<html>
 <head>
 <style>
 p{ color:red; } .c1{ color:green; }
 </style>
 </head>
 <body>
 <p> Bengaluru </p> <p class="c1"> India </p>
 </body>
</html>
```

Choose most appropriate option.

Select one:

- a. Bengaluru - Red,India - Green

- b. Bengaluru - Red,India - Red
- c. Bengaluru - Red,India - Black
- d. Bengaluru - Black,India - Black

Feedback

The correct answer is: Bengaluru - Red,India - Green

Question 46

Correct

Mark 1 out of 1

Flag question

Question text

Refer the code below:

```
<table border="2">
<tr> <th colspan="3"> Employee Details</th></tr>
<tr> <th>Employee Name</th> <th>Department</th> </tr>
<tr> <td>Jack</td> <td>LKM</td> </tr>
<tr> <td>Ace</td><td rowspan="2">Delivery</td> </tr>
<tr> <td>Justin</td> </tr>
</table>
```

How many cells will be displayed when the page is displayed on the browser? Choose most appropriate option.

Select one:

- a. 10
- b. 8
- c. 7
- d. 9

Feedback

The correct answer is: 8

Question 47

Incorrect

Mark 0 out of 1

Flag question

Question text

Which of the following is not a method of document object? Choose most appropriate option.

Select one:

- a. write(String)
- b. print(String)
- c. getElementById(String)
- d. getElementByTagName(String)

Feedback

The correct answer is: print(String)

Question 48

Correct

Mark 1 out of 1

Flag question

Question text

How many cells will be created after executing the below HTML code?

```
<html>
<body>
<table border="1">
<tr> <td colspan="3"> Jack </td> </tr>
<tr> <td colspan="2"> Tom </td> <td> Mark </td> </tr>
<tr> <td rowspan="2"> John</td> <td> James</td> <td> Mary</td> </tr>
<tr> <td> Helen</td> <td> Sam </td> </tr>
</table>
</body>
</html>
```

Select one:

- a. 7
- b. 8
- c. 10
- d. 9

Feedback

Your answer is correct.

The correct answer is: 8

Question 49

Correct

Mark 1 out of 1

Flag question

Question text

What would be the output of the Javascript code given below?

```
<html>
<body>
<script>
var num1=100;
function test(){
 num2=200;
 var num1=300;
 num1=num2;
}
test();
document.write(num1 + "-" +num2);
</script>
</body>
</html>
```

Select one:

- a. 200-200
- b. 100-200

- c. 300-200
- d. 300-100

Feedback

Your answer is correct.

The correct answer is: 100-200

Question 50

Correct

Mark 1 out of 1

Flag question

Question text

Consider the HTML code given below.

```
<html>
<head>
<script>
 var key=10;
 function add(){
 var key=20;
 window.key=key+1;
 document.write(key);
 document.write(" ");
 print();
 }
 function print(){
 document.write(key);
 }
</script>
</head>
<body>
<form>
 <input type="submit" onclick="add()" />
</form>
```

```
</body>
</html>
```

What will be displayed after executing the above code?

Choose the most appropriate option.

Select one:

- a. 11 10
- b. 11 11
- c. 20 21
- d. 21 21

Feedback

Your answer is correct.

The correct answer is: 20 21

Pappu Career Guide

# Spartans Mock 3

## Question 1

Incorrect

Mark 0.00 out of 1.00

Flag question

### Question text

What is the term used to define the values that are common across all instances of a class ?

Select one:

- a. Attribute
- b. Interface
- c. Static
- d. Property

### Feedback

The correct answer is: Static

## Question 2

Correct

Mark 1.00 out of 1.00

Flag question

### Question text

What is the diagram that depicts the interaction between objects by arranging the objects in time sequence ?

Select one:

- a. Use Case Diagram
- b. Component Diagram
- c. Activity Diagram
- d. Sequence Diagram

### Feedback

The correct answer is: Sequence Diagram

Question 3

Correct

Mark 1.00 out of 1.00

Flag question

Question text

What defines the state of an object ?

Select one:

- a. Using the class Id
- b. Using the class identity
- c. Using the value of the class properties
- d. Using the behavior

Feedback

The correct answer is: Using the value of the class properties

Question 4

Incorrect

Mark 0.00 out of 1.00

Flag question

Question text

Select the benefits of OOP ?

Select one or more:

- a. Ease of design
- b. Resuability
- c. code deployment
- d. Testing

Feedback

The correct answers are: Ease of design, Resuability

**Question 5**

Correct

Mark 1.00 out of 1.00

Flag question

**Question text**

Select the true statements about Use Case diagram ?

Select one or more:

- a. Captures users of the system
- b. Depicts the boundary of the system
- c. Captures dynamic aspects of the system
- d. Captures attributes and methods

**Feedback**

The correct answers are: Depicts the boundary of the system, Captures users of the system, Captures dynamic aspects of the system

**Question 6**

Correct

Mark 1.00 out of 1.00

Flag question

**Question text**

How does the different section of an application communicate in an OO approach ?

Select one:

- a. Different sections of the application interact through file system
- b. In OO approach, the different sections run in isolation so they will NOT interact
- c. Different sections of the application interact through database
- d. The objects created during runtime by different sections of the application interact through messages

**Feedback**

The correct answer is: The objects created during runtime by different sections of the application interact through messages

Question 7

Correct

Mark 1.00 out of 1.00

Flag question

Question text

A program is said to be \_\_\_\_\_, if it optimizes the amount of memory and processing time.

Select one:

- a. robust
- b. documented
- c. efficient
- d. modular

Feedback

The correct answer is: efficient

Question 8

Correct

Mark 1.00 out of 1.00

Flag question

Question text

Enhancements made to the developed software is called as .....

Select one:

- a. Analysis
- b. Testing
- c. Maintenance
- d. Design

Feedback

The correct answer is: Maintenance

Question 9

Correct

Mark 1.00 out of 1.00

Flag question

Question text

Which of the option gives the number of independent paths in the program

Select one:

- a. Equivalence Partitioning
- b. Error Guessing
- c. Mc Cabes number
- d. Boundary Value analysis

Feedback

The correct answer is: Mc Cabes number

Question 10

Incorrect

Mark 0.00 out of 1.00

Flag question

Question text

Tom and his team uses the SVN(Configuration Management Tool) to do versioning of source code. Tom has pulled out the code from the SVN server to his local machine, updated his task partially and wanted to update the work back to the SVN server. What is the actual process Tom has performed with the SVN server.

Select one:

- a. check in/check out
- b. fork/join
- c. commit/rollback
- d. check out/check in

Feedback

The correct answer is: check out/check in

Question 11

Incorrect

Mark 0.00 out of 1.00

Flag question

Question text

Identify the McCabe's number for the below code:

```
public class Testing{
 public static void main(String[] args) {
 int var1 = 10;
 int var2 = 20;
 if ((var1 > 8) && (var2 > 8))
 { System.out.println("Greater than 8");
 }
 if ((var1 > 10) || (var2 > 10))
 { System.out.println("Greater than 10"); }
 }
}
```

Select one:

- a. 3
- b. 5
- c. 4
- d. 6

Feedback

The correct answer is: 5

Question 12

Correct

Mark 1.00 out of 1.00

Flag question

Question text

ERD Example: Consider the given scenario. ZEE public school Library. A Library has many books. Each Book has many chapters. Identify the cardinality between Chapter and Book

Select one:

- a. 0..m
- b. m..1
- c. m..m
- d. 0..0

Feedback

The correct answer is: m..1

Question 13

Correct

Mark 1.00 out of 1.00

Flag question

Question text

Unix Terminals are called Dummy terminals as they do not have \_\_\_\_\_ capability.

Select one:

- a. Output
- b. Processing
- c. Input
- d. Display

Feedback

The correct answer is: Processing

Question 14

Correct

Mark 1.00 out of 1.00

Flag question

Question text

What does the below Unix command accomplish?

```
$ vi sample
```

Select one:

- a. open file named sample
- b. edit file named sample
- c. delete a file named sample
- d. open file if it exists else creates a new file

Feedback

The correct answer is: open file if it exists else creates a new file

Question 15

Correct

Mark 1.00 out of 1.00

Flag question

Question text

Which of the following layer acts as an interface between user and kernel ?

Select one:

- a. Hardware
- b. Kernel
- c. System Calls
- d. Shell

Feedback

The correct answer is: Shell

Question 16

Incorrect

Mark 0.00 out of 1.00

Flag question

Question text

What does the below Unix command accomplish?

```
$ sed 's/ABC/ZYX/' file.txt
```

Select one:

- a. Only matches and displays the occurrence of the pattern
- b. Replaces all occurrences 'ABC' with 'ZYX'
- c. Replaces only first occurrence of 'ABC' with 'ZYX'
- d. Replaces first occurrence in every line 'ABC' with 'ZYX'

Feedback

The correct answer is: Replaces first occurrence in every line 'ABC' with 'ZYX'

Question 17

Correct

Mark 1.00 out of 1.00

Flag question

Question text

What is the purpose of using -a option with ls command ?

Select one:

- a. for showing executables
- b. for showing directories
- c. for showing hidden files
- d. for multi columnar output

Feedback

The correct answer is: for showing hidden files

Question 18

Incorrect

Mark 0.00 out of 1.00

Flag question

Question text

which of the following option can be used ,in order to quit vi editor without saving the work done ?

Select one:

- a. :q!
- b. :q
- c. :w
- d. :c

Feedback

The correct answer is: :q!

Question 19

Correct

Mark 1.00 out of 1.00

Flag question

Question text

Which is the correct way to define an empty book element

Select one:

- a. <book></book>
- b. <book>NULL</book>
- c. <book>
- d. <book>empty</book>

Feedback

The correct answer is: <book></book>

Question 20

Correct

Mark 1.00 out of 1.00

Flag question

Question text

What is the correct way of declaring an XML namespace?

Select one:

- a. xmlns-prefix="URI"
- b. xmlns:prefix,"URI"
- c. xmlns:prefix=URI
- d. xmlns:prefix="URI"

Feedback

The correct answer is: xmlns:prefix="URI"

Question 21

Correct

Mark 1.00 out of 1.00

Flag question

Question text

What is the correct XPATH that selects all the state elements that have a "speak" attribute with a value of "HIN"

Select one:

- a. //state[@speak,'HIN']
- b. //state[@speak='HIN']
- c. //state[speak='HIN']
- d. //state[@speak=HIN]

Feedback

The correct answer is: //state[@speak='HIN']

Question 22

Correct

Mark 1.00 out of 1.00

Flag question

Question text

Identify the well-formed XML code

Select one:



a. <bookstore>  
  <book category="children">  
    <title>Harry Potter</title>  
    <author>J K. Rowling</author>  
    <year>2005</year>  
    <price>29.99 </price>  
  </book>  
</bookstore>



b. <bookstore>  
  <book category="children">  
    <title>Harry Potter</title>  
    <author>J K. Rowling</author>  
    <year>2005</year>  
    <price>29.99</price>  
  </bookstore>



c. <bookstore>  
  <book category="children">  
    <title>Harry Potter</title>  
    <author>J K. Rowling</author>  
    <year>2005</year>  
    <price>29.99</price>  
  </book>  
</bookstore>



d. <bookstore>  
  <book category=children>  
    <title>Harry Potter</title>  
    <author>J K. Rowling</author>  
    <year>2005</year>  
    <price>29.99</price>  
  </book>  
</bookstore>

#### Feedback

The correct answer is: <bookstore>  
  <book category="children">  
    <title>Harry Potter</title>  
    <author>J K. Rowling</author>  
    <year>2005</year>  
    <price>29.99</price>  
  </book>  
</bookstore>

#### Question 23

Incorrect

Mark 0.00 out of 1.00

Flag question

#### Question text

which of the following represents correct order from the most to least restrictive? Choose most appropriate option.

Select one:

- a. private,default,protected,public
- b. protected,private,default,public
- c. public,protected,default,private
- d. private,protected,default,public

Feedback

The correct answer is: private,default,protected,public

Question 24

Correct

Mark 1.00 out of 1.00

Flag question

Question text

What will be the output of the following Java code?

```
public class ApplicationTester
{
 public static void main(String[] args)
 {
 int i=0;
 for(i=0; i<10; i++)
 {
 if(i == 5)
 {
 continue;
 }
 i++;
 System.out.print(i + " ");
 }
 }
}
```

Choose the most appropriate option.

Select one:

- a. 1 2 3 4 5 6 7 8 9
- b. 1 3 5 7 9
- c. 1 2 3 4 6 7 8 9



- d. 1 2 3 4 and then program will get into infinite loop

Feedback

The correct answer is: 1 3 5 7 9

Question 25

Correct

Mark 1.00 out of 1.00

Flag question

Question text

Which of the following statement/s is/are TRUE?

- (1) Abstract method can have body
  - (2) Abstract class cannot be instantiated
  - (3) Abstract class can have constructor
- Choose the most appropriate option.

Select one:

- a. Both (1) and (3) are TRUE
- b. Only (2) is TRUE
- c. Both (2) and (3) are TRUE
- d. Both (1) and (2) are TRUE

Feedback

The correct answer is: Both (2) and (3) are TRUE

Question 26

Correct

Mark 1.00 out of 1.00

Flag question

Question text

Chaining What is the output for the below code ?

```
class A
{
 public A()
```

```
{
 System.out.print("A ");
}
public A(int i)
{
 System.out.print(i+" ");
}
}
class B extends A
{
public B ()
{
 super();
 System.out.print("B ");
}

public B (int i)
{
 super(i);
 System.out.print(i+3+" ");
}
}

public class Test
{
 public static void main (String[] args)
 {
 new B(5);
 }
}
```

Choose most appropriate option.

Select one:

- a. 5 8
- b. B 8 A 5
- c. A B 5
- d. A B 8

Feedback

The correct answer is: 5 8

Question 27

Incorrect

Mark 0.00 out of 1.00

Flag question

Question text

What will be the output of the following Java code?

```
public interface MyInterface
{
 int MY_DATA = 100; public void display();
}
public class MyClass implements MyInterface
{
public MyClass()
{
MyInterface.MY_DATA = 200;
//Line-1
}
public void display()
{
System.out.println(MyInterface.MY_DATA);
}
}
public class ApplicationTester
{
 public static void main(String[] args)
 {
 MyInterface ref = new MyClass();
 //Line-2 ref.display();
 }
}
```

Choose the most appropriate option.

Select one:

- a. 100
- b. Compilation error at Line-2: Invalid reference type 'MyInterface '
- c. 200
- d. Compilation error at Line-1: The final field MyInterface.MY\_DATA cannot be assigned

Feedback

The correct answer is: Compilation error at Line-1: The final field MyInterface.MY\_DATA cannot be assigned

Question 28

Correct

Mark 1.00 out of 1.00

Flag question

Question text

Consider the Java code given below. After the execution of the code what will be the content of "array2" ?

```
public class Tester
{
 public static void main(String[] args)
 {
 int array1[] = {71,12,23,34};
 int array2[] = new int[4];
 int count = 0;
 for (int i = 0; i < array2.length; i++)
 {
 if(array1[i]%2==0)
 {
 array2[count]=array1[i];
 count++;
 }
 }
 }
}
```

Choose the most appropriate option.

Select one:

- a. 12 34 0 0
- b. 12 34
- c. 12 0 34 0
- d. 0 0 12 34

Feedback

The correct answer is: 12 34 0 0

Question 29

Correct

Mark 1.00 out of 1.00

Flag question

Question text

What is the output of the following code?

```
class Account
{
 int balance;
 public void createAccount()
 {
 balance = 1000;
 }
}
```

```
public int getMinimumBalance()
{
 return balance;
}
}
class SalaryAccount extends Account
{
private String companyName;
public SalaryAccount(String companyName)
{
this.companyName = companyName;
}
public void createAccount()
{
balance = 500;
}
public void checkCompany()
{
if (companyName.equalsIgnoreCase("Accenture"))
{
balance = 0;
}
}
}
public class MainClass
{
 public static void main(String[] args)
 {
 Account account = new SalaryAccount("Accenture");
 account.createAccount();
 System.out.println("Balance : " + account.getMinimumBalance());
 account.checkCompany();
 System.out.println("Balance : " + account.getMinimumBalance());
 }
}
```

Choose the most appropriate option.

Select one:

- a. Balance: 1000 Balance: 500
- b. Balance: 1000 Balance: 0
- c. Compilation Error: The method checkCompany() is undefined for the type Account
- d. Balance: 500 Balance: 0

Feedback

The correct answer is: Compilation Error: The method checkCompany() is undefined for the type Account

Question 30

Correct

Mark 1.00 out of 1.00

Flag question

Question text

What will be the output of the following Java code?

```
public class ApplicationTester {
 public static void main(String[] args) {
 int [] array1 = {10,20,30,40,50};
 int [] array2 = array1;
 for(int index1=0,index2=3; index2<array2.length&&index1<array1.length; index1++,++index2)
 {
 array1[index1]++;
 System.out.print(array2[index2]+ " ");
 }
 }
}
```

Select one:

- a. 41 51
- b. Array Index Out Of Bounds Exception
- c. 0 0
- d. 40 50

Feedback

The correct answer is: 40 50

Question 31  
Correct  
Mark 1.00 out of 1.00

Flag question

Question text

What will be the output of the following Java code?

```
public class ApplicationTester
{
 public static void main(String[] args)
 {
 for(int i=0; i<=10; i++)
 {
 if(i>6)
 break;
 }
 System.out.println(i); //Line-1
 }
}
```

Choose most appropriate option.

Select one:

- a. 5
- b. 6
- c. null
- d. Compilation error at Line-1: i cannot be resolved to a variable

Feedback

The correct answer is: Compilation error at Line-1: i cannot be resolved to a variable

Question 32

Correct

Mark 1.00 out of 1.00

Flag question

Question text

The employee table contains EmployeeNumber, EmployeeName, Salary and DeptCode Columns. Which is the CORRECT SQL query to display DeptCode and average salary of each department? Choose most appropriate option.

Select one:

- a. SELECT DeptCode,avg(salary) FROM Employee;
- b. SELECT DeptCode,avg(salary) FROM Employee GROUP BY EmployeeNumber;
- c. SELECT DeptCode,avg(salary) FROM Employee GROUP BY DeptCode;
- d. SELECT DeptCode,avg(salary) FROM Employee GROUP BY Salary;

Feedback

The correct answer is: SELECT DeptCode,avg(salary) FROM Employee GROUP BY DeptCode;

Question 33

Incorrect

Mark 0.00 out of 1.00

Flag question

Question text

Identify the CORRECT SQL statement(s) to remove ONLY the data from "Employee" table?

- (i) DROP TABLE Employee;
  - (ii) DELETE FROM Employee;
  - (iii) TRUNCATE TABLE Employee;
- Choose most appropriate option.

Select one:

- a. Both (i) and (iii)
- b. Both (i) and (ii)
- c. Both (ii) and (iii)
- d. (i), (ii) and (iii)

Feedback

The correct answer is: Both (ii) and (iii)

Question 34

Incorrect

Mark 0.00 out of 1.00

Flag question

Question text

Consider the table Student(StudentId, StudentName, Email, PercentageOfMarks).

Which is the CORRECT query to display the details in the ascending order (lowest to highest) of PercentageOfMarks and in the descending order of StudentId in case PercentageOfMarks is the same.

Choose most appropriate option

Select one:

- a. SELECT StudentId, StudentName, Email, PercentageOfmarks FROM Student ORDER BY StudentId DESC, PercentageOfMarks;
- b. SELECT StudentId, StudentName, Email, PercentageOfmarks FROM Student ORDER BY PercentageOfMarks DESC, StudentId;
- c. SELECT StudentId, StudentName, Email, PercentageOfmarks FROM Student ORDER BY PercentageOfMarks, StudentId DESC;
- d. SELECT StudentId, StudentName, Email, PercentageOfmarks FROM Student ORDER BY PercentageOfMarks DESC, StudentId DESC;

Feedback

The correct answer is: SELECT StudentId, StudentName, Email, PercentageOfmarks FROM Student ORDER BY PercentageOfMarks, StudentId DESC;

Question 35

Incorrect

Mark 0.00 out of 1.00

Flag question

Question text

which command help us to get back the permission of accessing the table.

Select one:

- a. rollback
- b. revoke
- c. commit
- d. grant

Feedback

The correct answer is: revoke

Question 36

Correct

Mark 1.00 out of 1.00

Flag question

Question text

Consider Project table given below.

PROJECTID EMPLOYEEID

-----	-----
1	10
2	11
1	13

Identify the correct SQL statement to display the projectId which has more than one employee.

Select one:

- a. SELECT DISTINCT projectid FROM project WHERE projectid IN( SELECT projectid FROM project HAVING COUNT(employeeId)>1);
- b. SELECT DISTINCT projectid FROM project WHERE projectid IN( SELECT projectid FROM project WHERE COUNT(employeeId)>1);
- c. SELECT DISTINCT projectid FROM project WHERE projectid IN( SELECT projectid FROM project GROUP BY projectid WHERE COUNT(employeeId)>1);
- d. SELECT DISTINCT projectid FROM project WHERE projectid IN( SELECT projectid FROM project GROUP BY projectid HAVING COUNT(employeeId)>1);

Feedback

Your answer is correct.

The correct answer is: SELECT DISTINCT projectid FROM project WHERE projectid IN( SELECT projectid FROM project GROUP BY projectid HAVING COUNT(employeeId)>1);

Question 37

Incorrect

Mark 0.00 out of 1.00

Flag question

Question text

Consider the tables given below.

Emp(empid, empname,salary,deptid)

Dept(deptid,deptname)

Note: deptid column of table Emp referring to deptid column of table Dept.

Identify the correct SQL statement to retrieve employees who are getting more than 25000 salary and working in "FINANCE" department.

Choose most appropriate option.

Select one:

- a. SELECT \* FROM Emp WHERE deptid=(SELECT \* FROM Dept WHERE deptname='FINANCE' AND salary > 25000);

- b. SELECT \* FROM Emp WHERE deptid=(SELECT deptid FROM Dept WHERE deptname='FINANCE') AND salary>25000;
- c. SELECT \* FROM Emp WHERE deptid=(SELECT deptid FROM Dept WHERE deptname='FINANCE' AND salary>25000);
- d. SELECT \* FROM Emp WHERE deptid=(SELECT \* FROM Dept WHERE deptname='FINANCE') AND salary>25000;

Feedback

Your answer is incorrect.

The correct answer is: SELECT \* FROM Emp WHERE deptid=(SELECT deptid FROM Dept WHERE deptname='FINANCE') AND salary>25000;

Question 38

Incorrect

Mark 0.00 out of 1.00

Flag question

Question text

Which of the following CSS code is the correct one to apply style to tag 'p'? Choose most appropriate option.

Select one:

- a. p { color:red; text-align:center; }
- b. p { color=red; text-align=center; }
- c. p ( color:red; text-align:center; )
- d. p { color:red, text-align:center; }

Feedback

Your answer is incorrect.

The correct answer is: p { color:red; text-align:center; }

Question 39

Incorrect

Mark 0.00 out of 1.00

Flag question

Question text

Assume abc.html is existing and a valid HTML page. Refer the code below:

```
<form action="abc.html">
 First Name: <input type="text"/>

 Last Name: <input type="text"/>

 Password: <input type="hidden"/>

<input type="submit" value="Submit"/>
</form>
```

How many HTML controls will be displayed on the browser, when the above page is run on browser?  
Choose most appropriate option

Select one:

- a. 4
- b. 5
- c. 7
- d. 3

Feedback

The correct answer is: 3

Question 40

Incorrect

Mark 0.00 out of 1.00

Flag question

Question text

Assume abc.html is existing and a valid HTML page. Refer the code below:

```
<form action="abc.html">
 First Name: <input type="text"/>

 Last Name: <input type="text"/>

 Password: <input type="hidden"/>

<input type="submit" value="Submit"/>
</form>
```

How many HTML controls will be displayed on the browser, when the above page is run on browser?  
Choose most appropriate option

Select one:

- a. 7
- b. 3
- c. 5
- d. 4

## Feedback

The correct answer is: 3

### Question 41

Correct

Mark 1.00 out of 1.00

[Flag question](#)

## Question text

Choose from below the valid syntax to show "Welcome to JS!!" to user in JavaScript using a pop up.  
Choose most appropriate option

Select one:

- a. alertBox("Welcome to JS!!");
- b. alert("Welcome to JS!!");
- c. alert(Welcome to JS!!);
- d. alertmsg("Welcome to JS!!");

## Feedback

The correct answer is: alert("Welcome to JS!!");

### Question 42

Incorrect

Mark 0.00 out of 1.00

[Flag question](#)

## Question text

Identify the CORRECT statements with respect to CSS.

- a) CSS is used for giving style for HTML content
  - b) External style sheet can be used only for one HTML page in a website
- Choose most appropriate option.

Select one:

- a. neither a nor b
- b. both a and b

- c. only b
- d. only a

Feedback

The correct answer is: only a

Question 43

Correct

Mark 1.00 out of 1.00

Flag question

Question text

How many cells will be created after executing the below HTML code?

```
<html>
<body>
<table border="1">
<tr> <td colspan="3"> Jack </td> </tr>
<tr> <td colspan="2"> Tom </td> <td> Mark </td> </tr>
<tr> <td rowspan="2"> John</td> <td> James</td> <td> Mary</td> </tr>
<tr> <td> Helen</td> <td> Sam </td> </tr>
</table>
</body>
</html>
```

Select one:

- a. 8
- b. 9
- c. 10
- d. 7

Feedback

Your answer is correct.

The correct answer is: 8

Question 44

Correct

Mark 1.00 out of 1.00

Flag question

Question text

Steve is learning to draw a flowchart to calculate the volume of a cuboid. Which of the options given below would fit into the process section of the flow chart?

Select one:

- a. check if l,b,h have positive value
- b. display the volume of the cuboid
- c. Volume=l\*b\*h
- d. Read the value of l,b,h(l represents the length, b represents the breadth, h represents the height)

Feedback

Your answer is correct.

The correct answer is: Volume=l\*b\*h

Question 45

Correct

Mark 1.00 out of 1.00

Flag question

Question text

The given snippet describes \_\_\_\_\_ -

```
BEGIN
 DECLARE marks[10]
 DECLARE number
 SET number TO 0
 FOR index=0 TO 9
 INPUT array[index]
 END FOR
 number= marks[0]
 FOR index=0 TO 9
 IF marks[index] > number THEN
 number =marks[index]
 END IF
 END FOR
 PRINT number
 END
```

Select one:

- a. Sample Pseudocode to search an element among 10 numbers.
- b. Sample Pseudocode to sort the given array of 10 numbers
- c. Sample Pseudocode to find out the minimum number among 10 numbers.
- d. Sample Pseudocode to find out the maximum number among 10 numbers.

Feedback

The correct answer is: Sample Pseudocode to find out the maximum number among 10 numbers.

Question 46

Correct

Mark 1.00 out of 1.00

Flag question

Question text

Carefully read the question and answer accordingly. Which data structure is said to be linear data structure?

Select one:

- a. Tree
- b. Arrays
- c. None of the listed options
- d. Graphs

Feedback

The correct answer is: Arrays

Question 47

Correct

Mark 1.00 out of 1.00

Flag question

Question text

Carefully read the question and answer accordingly. Find which list is not related to stacks?

Select one:

- a. Last In First Out
- b. Push-down
- c. First in First Out
- d. None of the options.

Feedback

The correct answer is: First in First Out

Question 48

Incorrect

Mark 0.00 out of 1.00

Flag question

Question text

Time complexity of an algorithm signifies the total time required by the algorithm to complete its execution with provided resources. State True or False.

Select one:

- True
- False

Feedback

The correct answer is 'True'.

Question 49

Incorrect

Mark 0.00 out of 1.00

Flag question

Question text

From the given options identify the appropriate algorithm that has the lowest worst-case complexity?

Select one:

- a. Selection Sort

- b. Quick Sort
- c. Merge Sort
- d. Bubble Sort

Feedback

The correct answer is: Merge Sort

Question 50

Correct

Mark 1.00 out of 1.00

Flag question

Question text

Which algorithm is the best sorting method in-place with no quadratic worst-case scenarios?

Select one:

- a. Selection Sort
- b. Heap Sort
- c. Bubble Sort
- d. Quick Sort

Feedback

The correct answer is: Heap Sort

**1. Consider the following Java Code (Assume that Employee is a valid Java class)**

```
public class ApplicationTester
{
 public static void main(String[] args)
 {
 Employee emp1 = newEmployee();
 Employee emp2 = newEmployee();
 Employee emp3 = newEmployee();
 Employee emp4 = emp1;
 emp1=emp3;
 emp4=null;
 emp2=emp4; //Line-1
 //some valid Java code
 }
}
```

With respect to the code, how many object/objects will be available for garbage collection after Line-1? Choose the most appropriate option

Ans- 2

**2. Choose the most appropriate option**

```
interface A
{
 public static final int DATA =3;
 void doWork(int t);
}
public class Main implements A
{
 public static void main(String[] args)
 {
 int x=5;
 new Main().doWork(++x);
 }
 void doWork(int s)
 {
 s=DATA+s;
 System.out.println("s "+s);
 }
}
```

Ans – Compile time error

```
Main.java:21: error: doWork(int) in Main cannot implement doWork(int) in A
 void doWork(int s)
 ^
attempting to assign weaker access privileges; was public
1 error
```

3. Refer to the below code and predict the output

```
public class Main
{
 public static void main(String[] args)
 {
 int i=10;
 boolean b=false;
 if((b==true) && ((i+=10)==20))
 {
 System.out.println("We are equal "+i);
 }
 else
 {
 System.out.println("Not equal! "+i);
 }
 }
}
```

Ans -

Not equal! 10

4. What is the output expected on the execution of the following code?

```
public class Main
{
 static int num=50;
 static void testMethod()
 {
 num=num+10;
 }
 public static void main(String[] args)
 {
 Main m=new Main();
 m.num=20;
 testMethod();
 System.out.println(num);
 }
}
```

Ans – 30

5. Consider the table Employee(emplId,jobBand)

What is the correct DML statement to update the job band of all employees to NULL?

ANS –

UPDATE TABLE employee SET jobBand is NULL;

UPDATE employee SET jobBand = NULL;

UPDATE TABLE employee SET jobBand = NULL;

UPDATE employee SET jobBand is NULL;

**6. Consider the table Employee(emplId,jobBand)**

**What is the correct SQL statement where all unique job band from employee table?**

**Ans –**

select jobBand DISTINCT from employee;

select DISTINCT jobBand,empid from employee;

select DISTINCT(jobBand) from employee; // gave right answer as well

**select DISTINCT jobBand from employee;**

**7. Consider table Account(accountId,balance) Identify the SQL queries which gives the same result**

**Ans –**

SELECT \* FROM Account WHERE balance>1000 and balance<5000;

SELECT \* FROM Account WHERE balance>=1000 OR balance<=5000;

**SELECT \* FROM Account WHERE balance between 1000 and 5000;**

**SELECT \* FROM Account WHERE balance>=1000 AND balance<=5000;**

**8. Refer the incomplete HTML Code given below**

```
<html>
<body>
<form action="abc.html" ____> <!--Line 1-->
First Name: <input type="text" name="f1"/>

Last Name: <input type="text" name="l1"/>

Password: <input type="password" name="p1"/>

<input type="submit" value="Submit"/>
</form>
</body>
</html>
```

Assume abc.html is existing and a valid HTML page. Identify the appropriate option to be placed at Line 1 so that values entered in the text boxes are not appended to URL while submitting to abc.html.

**Ans –**

method =” GET”

**method = “POST”**

submit = “GET”

submit =” POST”

9. What would be the output of the following Java Script

```
<html>
<body>
<script>
 var key1=1;
 document.write(typeof(key1)+" ");
 var key2=null;
 document.write(typeof(key2));
</script>
</body>
</html>
```

Ans –

number object

int object

number undefined

int undefined

10. Which of the following is not a part of SRS document

Ans –

Functional Requirement

Non-Functional Requirements

**Implementation Details**

Hardware Software specifications

11. Consider the following array (12,3,1,5,8) Tell us the number of steps that are required to sort the elements int the ascending order using insertion sort

Ans ~~4~~ 4 steps

12. Choose the appropriate option where prototype model is used

Ans –

For projects where requirements are clear

**For projects where requirements are unclear**

Projects where lot of risk factors needs to be considered

Projects with frequent changes

**13. Arrow symbols in the flowchart is used to show the sequence of steps and the relationship among them. State true or false**

Ans-

True

False

**14. Which command in UNIX is used for clearing the Screen?**

Ans-

clrscr

cls

clear

clearscreen

**15. What is the command to concatenate fname and lname with a space in between and display the output under the heading of "Full Name"?**

Employee(eid,fname,lname,salary)

Ans-

Select fname || " " || lname as 'Full Name' from employee;

Select fname || " " || lname 'Full Name' from employee;

Select fname & lname as 'Full Name' from employee;

Select fname & ' ' & lname 'Full Name' from employee;

**16. From the below list which files will be listed using the following command**

ls chap(^1-4)

Ans-

Chap4

Chap5

Chap6

Chap7

**17. What is an identity of an object?**

Ans-

Is the property that uniquely differentiates the object from other objects

Is the id given to the object by the class

Is the state of an object

Is the behavior of the object

**18. Consider the following table structure and write a query to display all the employees who have and don't have department assigned**

**Emp(fname,lname,dno)**

**Dept(deptid,dname)**

**Ans-**

Select fname,deptid from emp e, dept d where e.dno(\*)=d.deptid;

**Select fname,deptid,dname from emp e left outer join dept d on (e.dno=d.deptid);**

Select fname,deptid,dname from emp e, dept d where.dno = d.deptid(\*);

Select fname,deptid,dname from emp e full outer join dept d on (e.no=d.deptid);

**19. Refer the code and predict the output**

```
class Apartment
{
 Apartment()
 {
 System.out.print("b ");
 }
 Apartment(String name)
 {
 this();
 System.out.print("Hreeva "+name);
 }
}
public class Main extends Apartment
{
 Main()
 {
 System.out.print("A ");
 }
 Main(String name)
 {
 this();
 System.out.print("B "+name);
 }
 public static void main(String[] args)
 {
 new Main("C ");
 }
}
```

**Ans-**

**b A B C**

A B C

A B C b

B Hreeva A B C

20. given the following code snippet: which of the following are true

```
import java.util.List;
import java.util.ArrayList;
public class Main
{
 public static void main(String[] args)
 {
 List list=new ArrayList(3); //Line 1
 list.add(7);
 list.add("D");
 list.add(new Integer(7));
 System.out.print(list);
 }
}
```

Ans – the output will be [7 , D, 7 ]

21. Predict the output

Given two files

```
package A;
public class One
{
 int no1=50;
 protected int no2=60;
 public int no3=70;
}
```

```
package B;
import A.*;
public class Main
{
 public static void main(String[] args)
 {
 One o=new One();
 System.out.print(" "+o.no1);
 System.out.print(" "+o.no2);
 System.out.print(" "+o.no3);
 }
}
```

Ans – Compile time error

```
Main.java:16: error: no1 is not public in One; cannot be accessed from outside package
 System.out.print(" "+o.no1);
 ^
Main.java:17: error: no2 has protected access in One
```

```
System.out.print(" "+o.no2);
```

^

2 errors

**22. Identify the correct CSS representation for a paragraph**

Ans-

p{padding:25px;}

p{padding=25px;}

p=padding:25px;

p: padding: 25px;

**23. Which attribute is used to reference an xml schema in an xml document**

Ans-

xsi:schemaLocation

xsi:Location

xsd:schemaLocation

xsi=schemaLocation

**24. Two modules with more dependency is known as loosely coupled modules and two modules with less dependency is known as uncoupled modules state true or false**

Ans-

True

False

**25. Carefully read the question and answer accordingly. To execute the result of the last executed procedure, call recursive procedures use stacks. State true or false**

Ans-

True

False

**26. Path is used to locate file in Unix filesystem. The types of path supported are \_\_\_\_ and \_\_\_\_**

Ans-

Absolute  
Relative  
Reference  
Dynamic



**27. Predict the output**

**Step 1:** start the program

**Step 2:** Declare a variable count and set the count as 1

**Step 3:** Print the count

**Step 4:** Increment the count by 1

**Step 5:** Check whether count is greater than or equal to 1. If yes go to step 3. If no go to step 6

**Step 6:** Print the count

**Step 7:** Stop

**Ans-**

1 1

1 2

2 1

Loop runs indefinitely

**28. Below statement is an example of \_\_\_\_\_ path in Unix**

`&cd /home/course/CSE/C++`

**Ans-**

Absolute

Relative

Reference

Dynamic



**29. Predict the output of below command**

`grep "Atul" employee.txt || echo "not found"`

**Ans-**

Searches for Atul and echoes "not found"



Searches for Atul

Searches for Atul and displays

**Searched for Atul and echoes “not found” when not found**

**30. Consider the scenario. For an insurance, customer makes a claim. The claim can be a normal or a critical claim. The insurance company confirms the claim. What diagram can be used to understand the state changes of the component triggered by events and dynamic nature?**

Ans-

Sate chart diagram ✓

Sequence diagram

Activity diagram ✗

Interaction diagram

**31. Predict the output**

```
class Mammal
{
 String name="Dog";
 String makeNoise()
 {
 return "BOW WOW";
 }
}

class Cat extends Mammal
{
 String name="Cat";
 String makeNoise()
 {
 return "Meow";
 }
}

public class Main
{
 public static void main(String[] args)
 {
 new Main().go();
 }
 void go()
 {
 Mammal m=new Cat();
 System.out.println(m.name+m.makeNoise());
 }
}
```

Cat Meow

Dog BOW WOW

**Dog Meow**

Cat Bow Wow

**32. A team of employees is trying to analyze the root cause of the issues identified for the online Library Management. From the options identify the process that is carried out.**

Ans-

- Coding
- Testing
- Analysis
- Debugging**

**33. Information hiding is achieved through which OOP principle?**

Ans-

- Abstraction
- Encapsulation**
- Typing
- Hierarchy

**34. From the following options choose all the possible Exceptions for the above code**

Try{

```
Int check = Integer.parseInt("Five");
}
```

Ans-(class cast, number format)

ClassCastException

IllegalStateException

NumberFormatException

IllegalArgumentException

ExceptionInInitializerError

**35. Unix file system is a collection of files and directories organized in a \_\_\_\_\_ manner**

Ans- hierarchical

**36. Predict the output**

```
public class Main
{
 int x=50;

 public static void main(String[] args)
 {
 final Main f1=new Main();
 Main f2 = new Main();
 Main f3 = isValid(f1,f2);
 System.out.println((f1==f3)+" "+(f1.x==f3.x));
 }

 static Main isValid(Main x, Main y)
 {
 final Main z=x;
 z.x=60;
 return z;
 }
}
```

Ans- true true

### 37. Predict the output

```
import java.util.Iterator;
import java.util.Set;
import java.util.TreeSet;

public class TestMain
{
 public static void main(String[] args)
 {
 checkTest();
 }

 public static void checkTest()
 {
 Set set = new TreeSet();
 set.add("A");
 set.add(3);
 set.add("B");
 Iterator it=set.iterator();
 while (it.hasNext())
 {
 System.out.print(it.next()+"");
 }
 }
}
```

Ans-

A 3 B

A B

3

A followed by an exception

An exception is thrown at runtime

Exception in thread "main" java.lang.ClassCastException: java.lang.String cannot be cast to java.lang.Integer

### 38. What is true regarding State Chart Diagram?

Ans-

Depicts different states of an object during lifetime

Flow of activity

Chart diagram of objects

Static view of objects

### 39. Predict the output

```
public class TestMain extends Tree
{
 public static void main(String[] args)
 {
 new TestMain().go();
 }

 void go()
 {
 grow2(new Tree(),new TestMain());
 grow2((TestMain) new Tree(), new TestMain());
 }

 void grow2(Tree t1, TestMain r1)
 {
 TestMain r2 = (TestMain) t1;
 Tree t2=(Tree) r1;
 }
}

class Tree
{
}
```

An exception is thrown at runtime

The code compiles and runs with no output

CTE

- Exception in thread "main" java.lang.ClassCastException: Tree cannot be cast to TestMain

**40. Predict the output**

```
public class TestMain
{
 {
 index = 1;
 }
 int index;

 public static void main(String[] args)
 {
 new TestMain().find();
 }

 void find()
 {
 int[][] d={{7,8,9},{4,5,6},{0,1,2,3}};
 System.out.println(d[index++][index++]);
 }
}
```

Ans - 6 right answer=6

**41. Predict the output. Which statement can replace to allow the above code to compile and run.**

```
import java.util.ArrayList;
import java.util.List;

public class TestMain
{
 public static void main(String[] args)
 {
 //INSERT LIST DECLARATION HERE
 for (int i=0;i<=5;i++)
 {
 List<Integer> row=new ArrayList<Integer>();
 for(int j=0;j<=5;j++)
 row.add(i*j);
 db.add(row);
 }
 for(List<Integer> row : db)
 System.out.println(row);
 }
}
```

Ans -

List<List<Integer>> db = new ArrayList<List<Integer>>();  
List<List<Integer>> db = new List<List<Integer>>();  
List<List, Integer> db = new List<List, Integer>();  
[0, 0, 0, 0, 0, 0]  
[0, 1, 2, 3, 4, 5]  
[0, 2, 4, 6, 8, 10]  
[0, 3, 6, 9, 12, 15]  
[0, 4, 8, 12, 16, 20]  
[0, 5, 10, 15, 20, 25]

42. Carefully read the question and answer accordingly. In Linear search algorithm, if an item to be searched is found in the middle of an array then it is said to be \_\_\_\_\_

Ans-

Best case

Worst case

**Average case**

Null case

43. Which of the given phases consume more time during the Software life cycle

Ans-

Analysis

**Design** ~~X~~

Testing

Maintenance

44. If you are asked to do a modular software design, which combination of coupling and cohesion should you use for designing the software?

Ans-

High cohesion and high coupling

**High cohesion and low coupling**

Low cohesion and high coupling

Low cohesion and low coupling

45. What is the output of the following script

```
<script>var x=16+4+"100"
alert(x)</script>
```

Ans – 20100

46. Which jquery syntax hides all the paragraph elements

Ans-

`$("p").hide();`

`$(p).hide();`

`$("p")-hide();`

("p").hide();

**47. Match the following**

**DDL, DML, DCL, TCL**

**GRANT, COMMIT, SELECT, CREATE**

**Ans-**

**DDL – CREATE**

**DML – SELECT**

**DCL – GRANT**

**TCL – COMMIT**

**Note:**

**DDL (Data Definition Language) – Create, drop, alter, truncate, comment, rename**

**DQL (Data Query Language) – SELECT**

**DML (Data Manipulation Language) – Insert, update, delete**

**DCL (Data Control Language) - Grant, revoke**

**TCL (transaction Control Language) – Commit, rollback, savepoint, set transaction**

**48. Which is the root element of every XSD?**

**Ans-**

**Schema**

**Root**

**Schema xsd**

**Base**

**49. The kernel is the core part of UNIX operating system. Choose 3 tasks achieved by Kernel from the list below**

**Ans-**

**Performs disk operations**

**Manages I/O operations**

**Performs memory and processes management**

**Interfaces between user and operating system**

50. You must explicitly commit GRANT on tables. State true or false

Ans-

True

False

51. Which of the following algorithm(s) is/are said to be non-adaptive?

Ans-

Selection sort

both merge and selection sort

Merge sort

( if que is multiple choice then select both otherwise only merge)

Bubble sort

Insertion sort

52. Which of the following is more efficient in terms of memory utilization and execution speed?

Ans-

Recursion

Iteration

Sequential

Conditional

53. In HTML, what is the default min and max values for the input type called range?

Ans-

Min=0, max=100

Min=1, max=10

Min=0, max=10

Min=1, max=100

54. Root is a super user in Unix operating system and it is represented using \_\_\_\_\_

Ans-

\$

/

answer= /

>

~

55. Given

```
public class Main
{
 public static void main(String[] args) {
 check();
 check(10);
 check(10,20);
 }

 //insert code here
}
```

Which of the following statement can replace // insert code here, that will compile without any errors? Choose all that apply

Ans-

- static void check(int...checkArgs){}
- static void check(int[] checkArgs){}
- static void check(int...checkArgs,int y){}
- static void check(int checkArgs...){}
- static void check(int x,int...checkArgs){}

56. java.util.List allows you to grow or shrink its size and provides indexed access to its elements, but whose methods are not synchronized. State True or False

Ans-

- True X
- False

57. State true or false

White box testers require the working knowledge of the code being tested

Ans-

- True
- False

58. Carefully read the question and answer accordingly. In an array, if an item to be searched is found in the last element of the array or not found in the array then it is said to be \_\_\_\_\_

Ans-

Best case

**Worst case**

Average case

Null case

59. What does public String pattern() return?

Ans-

~~Returns the compiled version of boolean after matching the regular expression against the given~~

**Returns the compiled version of regular expression into a Pattern**

answer=B

Returns the pattern's source regular expression

Returns the compiled version of string into the pattern

60. What is the complexity of the given code

```
void cou(int m)
{
 int a,b,c=0;
 for(a=m/2;a<=m;a++)
 for(b=1;b<=m;b=b*2)
 c++;
}
```

Ans-

O(nlogn)

O(n^2)

O(n^2logn)

O(logn)

61. Choose the options which are true with respect to views in SQL?

Ans-

View is a virtue table that does not physically exist

Views are used for maintaining logical data independence

View do not maintain data integrity

View is database objects that physically exist

62. For developing a water plant application the following statements are captured in the SRS

- i) if the water level goes below 20%, then the application should raise an alarm for immediate action
- ii) if the water level goes below 15%, then the application should automatically switch on the power button to fill in water in the tank

Identify the issue with the requirement specified in the SRS

Ans-

**Contradicting requirements**

No issues with the requirements

Incomplete requirements

Unreliable requirement

63. Name the Unix command to perform safe shut down a Unix system

Ans-

Poweroff

Shutdown

Reboot

64. Predict the output

```
class Store
{
 String find(short shops)
 {
 return "a few ";
 }

 String find(short...shops)
 {
 return "many";
 }
}
public class Main
{
 public static void main(String[] args) {
 System.out.print(new Store().find(1));
 System.out.print(new Store().find(1,2));
 }
}
```

Ans-

A few many

A few

Many

**Compile time error - error: no suitable method found for find(int)**

65. Predict the output

```
public class Main
{
 {
 index=1;
 }
 int index;

 public static void main(String[] args) {
 new Main().find();
 }

 void find()
 {
 int[][] d={{7,8,9},{4,5,6},{0,1,2,3}};
 System.out.println(d[index++][index++]);
 }
}
```

Ans-

6 answer= 6

66. Predict the output

```
public class Main
{
 public void printVal(Integer i)
 {
 System.out.println("Integer "+i);
 }
 public void printVal(int i)
 {
 System.out.println("Int "+i);
 }
 public static void main(String[] args) {
 new Main().printVal(127);
 }
}
```

Ans-

Int 127

 67. When constructing looping statements, if the iteration condition is not terminated, it will result in infinite loop. State True or false

Ans-

True

False

 68. Predict the output

```
public class Milon
{
 Milon()
 {
 }
 Milon(Milon m)
 {
 m1=m;
 }

 Milon m1;

 public static void main(String[] args)
 {
 Milon m2=new Milon();
 Milon m3=new Milon(m2);
 m3.go();
 Milon m4=m3.m1;
 m4.go();
 Milon m5=m2.m1;
 m5.go();
 }

 void go()
 {
 System.out.print("hi");
 }
}
```

Hi hi followed by exception

Hi hi hi

Hi hi

Hi

Hi followed by exception

 69. Select the statements that are true about Persistence

Ans- Only 1 and 2

 Persistence is a way through which the life time of object exists even after the program terminates

 Java uses serialization for object persistence

Persistence is a way through which the life time of object is terminated as the program terminates

 Persistence of object is done by java runtime automatically

**70. Predict the output**

```
public class Main extends Count
{
 public static void main(String[] args)
 {
 Short no1=10;
 System.out.println(addCount(no1,8));
 }
}

class Count
{
 int addCount(int x,int y)
 {
 return x+y;
 }
}
```

Ans-

Compile time error

10

18

8

**71. Bonus calculated module was unit tested by the developer. Depending on the salary the bonus needs to be calculated. Assume if one of the salary-range is between 30000 to 40000 then the bonus should be 10%. From the given options identify the test cases for Equivalence Partitioning.**

Ans-

25000,35000,45000

25000,27000,29000

42000,43000,45000

32000,35000,39000

**72. Predict the output**

```
public class Main extends Animal
{
 public static String bark()
 {
 return "Bow Wow";
 }
 public static void main(String[] args)
 {
 Main t=new Main();
 Animal s=new Animal();
 System.out.println(t.bark()+" "+s.bark());
 }
}
class Animal
{
 public static String bark()
 {
 return "Roar";
 }
}
```

Ans-

Bow Wow

Roar

**Bow Wow Roar**

Compile time error

73. Choose the statement that true about Class?

Ans-

Class is a dynamic component

**Class is described using attributes and methods**

Change the class to change the state of an object

Class properties depends on object properties

74. Which xsd correctly defines a restriction on votingage element where the value is between 18 and 130

Ans-

Opt A

```
<xs:element name="votingage"><xs:simpleType><xs:restriction
base="xs:integer"><xs:minInclusive value="18"/><xs:maxInclusive
value="130"/></xs:restriction></xs:simpleType></xs:element>
```

75. Given

```
Public abstract Interface1 {public void method(String s);}
```

Which of the following is/are correct class implementation(s)

Ans- B E

a      Public abstract class Class1 implements Interface1{  
          Public abstract void method(String s){}  
          }

b      Public abstract class Class1 implements Interface1{}

answer=B and E

c      Public class Class1 extends Interface1{  
          Public void method(Integer i) {}  
          }

d      Public class Class1 implements Interface1{  
          Public void method(Integer i) {}  
          }

e      Public class Classs1 implements Interface1{  
          Public void method(String i) {}  
          Public void method(Integer s) {}  
          }

76. Predict the output

```
import java.util.*;
public class Main
{
 public static void main(String[] args)
 {
 String[] str={"Banana", "Apple", "Watermelon","Mango"};
 sortFruit o=new sortFruit();
 Arrays.sort(str,o);
 for(String s:str)
 System.out.print(s+" ");
 System.out.println(Arrays.binarySearch(str, "map"));
 }
 static class sortFruit implements Comparator<String>
 {
 public int compare(String str1,String str2)
 {
 return str2.compareTo(str1);
 }
 }
}
```

Ans-

Watermelon Mango Banana Apple -5

77. What is the relationship between these two Building has rooms

Ans-

Composition

Aggregation

Generalization

Hierarchy

78. If an element is to be retrieved from a specific location in an array, the array has to be \_\_\_\_\_

Ans-

Traversed from the first position until the element is found

Added in ascending order and compared with each element

Traversed from the last position to first until the element is found

Sorted in descending order and compared with each element.

79. Predict the output

```
class Main
{
 public static void main(String[] args)
 {
 Long x=40L;
 Long y=40L;
 System.out.print(" "+8+5+" ");
 System.out.print(print()+x+6+" ");
 System.out.println(x+y+print());
 }
 static String print()
 {
 return "Message";
 }
}
```

Ans-

~~80. In which of the given SDLC models' rapid changes are easily incorporated~~ 85 Message406 80 Message

80. In which of the given SDLC models' rapid changes are easily incorporated

Ans-

V-model

Agile model

Prototyping model

Waterfall model

81. What is the lifeline in a sequence diagram?

Ans-

Object's life time

Actor's life time

System's life time

Modelling life time

82. What are the best ways to ensure that a class implements the required behavior?

Ans- A, D

**Use Interface**

Method inside interface are public and abstract

Have a strict testing

✓ Use encapsulation

### 83. Predict the output

```
public class BlackBoard{
 public void finalize(){System.out.println("object
 is garbage collected");}

 short story=200;
 |
 BlackBoard write(BlackBoard bb)
 {
 bb=null;
 return bb;
 }

 public static void main(String args[]){
 BlackBoard b1=new BlackBoard();
 BlackBoard b2=new BlackBoard();
 BlackBoard b3=b1.write(b2);
 b1=null;
 System.gc();
 }
}
```

How many objects eligible or GC is reached, how many objects are eligible for Garbage Collection?

Ans – 1 (or 2)      1

only 1

### 84. Predict the output

```
import java.util.Iterator;
import java.util.Set;
import java.util.TreeSet;

public class Main
{
 public static void main(String[] args) {
 checkTest();
 }
 public static void checkTest()
 {
 Set set=new TreeSet();
 set.add("A");
 set.add(3);
 set.add("B");
 Iterator it=set.iterator();
 while(it.hasNext())
 System.out.print(it.next()+" ");
 }
}
```

Ans- An exception is thrown at runtime

#### 85. What are the types of Interaction Diagrams?

Ans-

Sequence diagram

Collaboration diagram

Activity diagram

State chart diagram

#### 86. A Team is allocated with a new project. All their work needs to be accessed and updated in the same repository. Which of the given options would help them achieve this?

Ans-

Software configuration management

Creating a common folder in the server

Creating a common folder local

Using IDE

87. Predict the output?

```
import java.util.*;

public class Main
{
 public static void main(String[] args) {
 Map<Tasks, String> m=new HashMap<Tasks, String>();
 Tasks t1=new Tasks("Jan");
 Tasks t2=new Tasks("Jan");
 Tasks t3=new Tasks("Apr");
 m.put(t1, "Design");
 m.put(t2, "Code");
 m.put(t3, "Develop");
 System.out.println(m.size());
 }
}
class Tasks
{
 String day;
 Tasks(String d)
 {
 day=d;
 }
 public boolean equals(Object o)
 {
 return ((Tasks) o).day==this.day;
 }
 public int hashCode() {return 0;}
}
```

Ans – 2

88. Choose the correct order in which the Oracle Server evaluate clauses

Ans-

Where, group by, having

FROM -> CONNECT BY -> WHERE -> GROUP BY ->  
HAVING -> SELECT -> ORDER BY

Where, having, group by

Having, where, group by

Group by, having, where

89. Carefully read the question and answer accordingly

Analysis of selection algorithm eliminates \_\_\_ number of elements each time

Ans-

n elements ~~X~~

Type something...

n/2 elements

**n / 2 elements**

n/4 elements

(n/2) +n elements

90. Predict the output

```
class Car
{
 public String name="Modial";
 public Car()
 {
 System.out.print("Car ");
 }
}

public class Ferrari extends Car
{
 public Ferrari()
 {
 System.out.print("Ferrari ");
 }
 void getModel()
 {
 name="Portofino";
 System.out.print(this.name+" "+super.name);
 }
 public static void main(String[] args)
 {
 new Ferrari().getModel();
 }
}
```

Ans- Car Ferrari Portofino Portofino

91. Software which controls radiation equipment for patients is best shut down, if it receives bad input for a radiation dosage. This is a best example for \_\_\_\_\_

Ans-

Correctness

**Robustness**

Verification

Validation

## 92. Predict the output

```
public class TestMain
{
 static String s="*";
 public static void main(String[] args)
 {
 new TestMain().s1();
 System.out.println(s);
 }
 void s1()
 {
 try
 {
 s2();
 }
 catch(Exception e)
 {
 s+="c";
 }
 }
 void s2() throws Exception
 {
 s3();
 s+="2";
 s3();
 s+="2b";
 }
 void s3() throws Exception
 {
 throw new Exception();
 }
}
```

Ans - \*c

## 93. Predict the output

```
class High
{
 public High(String s)
 {
 System.out.print("From High");
 }
}
public class TestMain extends High
{
 public TestMain(String s)
 {
 System.out.print("From Low");
 }

 public static void main(String[] args)
 {
 new TestMain("High Low");
 System.out.println(" ");
 }
}
```

Ans- Compile time error

**94. Predict the output**

```
import java.util.*;
public class TestMain
{
 public static void main(String[] args)
 {
 TreeSet<String> lList=new TreeSet<String>();
 TreeSet<String> sList=new TreeSet<String>();
 lList.add("One");
 lList.add("Two");
 lList.add("Three");
 lList.add("Four");
 lList.add("Five");
 sList=(TreeSet) lList.subSet("One",true,"Six",true);
 lList.add("One");
 lList.pollFirst();
 lList.pollFirst();
 lList.add("Two");
 System.out.println(lList.size()+" "+sList.size());
 }
}
```

**Ans- 3 1**

**95. Which concept ensures every change that is made to the artifact can be properly tracked and changed?**

**Ans-**

**Version control**

Resource planning

Testing

Review of artifacts

**96. Which script code produces the output as Welcome to “Javascript”**

**Ans-**

```
<script>var x="welcome to \"Javascript\""; alert(x);</script>
<script>var x="welcome to "Javascript"'; alert(x);</script>
<script>var x="welcome to \"Javascript\""; x. alert(x);</script>
<script>var x1="welcome to \"Javascript\""; alert(x);</script>
```

**97. Which is not an attribute of schema element**

**Ans-**

targetnamespace

xmlns  
elementFormDefault  
**version**

98. What is the output of the following code?

```
<script> var str="A bag of apples is full of apples"; var pos=str.indexOf('apples');alert(pos)</script>
```

Ans= 9

99. Predict the output of the below SQL query

```
SELECT DISTINCT CITY FROM CUSTOMER;
```

Ans-

Displays all cities

Displays unique cities

Displays distinct cities

Query has syntax error

100. What are the best ways to ensure that a class implements the required behavior?

Ans-

User interface

A and D

Method inside interface are public and abstract

Have a strict testing

Use encapsulation

101. O(nlogn) is the best-case time complexity of Bubble Sort. State True or False

Ans-

True

False

O(n) is best time complexity of bubble sort hence false

102. Predict the output of the following command

```
$ who | tee userlist.txt
```

Ans-

The command displays the output on the monitor

**The command displays the output of who in the monitor and also saves the output in userlist.txt**

The command saves the output in userlist.txt

The command displays an error message on the monitor

**103. Which of the given options perform requirement specification- based testing**

Ans-

White box testing

**Black box testing**

Integration testing

Glass box testing

**104. Consider the following CSS script**

**Start program**

**padding: 20px, 30px;**

**end program**

**what is the order of padding property that has two values?**

Ans-

Top and right, left and bottom

Right and left, top and bottom

**Top and bottom, right and left**

Right and bottom, top and left

**105. What is the command to fetch employee id, employee name and salary with 10% increase from employee?**

**Employee(eid,ename,salary)**

Ans-

**Select eid, ename, (salary+salary\*0.1) from employee;**

**Select eid, ename, (salary+salary\*10/100) from employee;**

**Select eid, ename, salary\*10% from employee;**

**Select eid, ename, salary\*10/100 from employee;**

**106. UNIX is more commonly used operating system in comparison with other OS. Choose two reason from the below options in support of this statement.**

Ans-

It is open source software 

 It is highly secure

 It is user friendly

Has good graphical user interface

This question has too much confusion  
make your own research and do accordingly

**107. What attribute is used to indicate that an attribute is required for an element in the XSD**

 Ans-

use

required

needed

mandatory

if in question there is  
XSD = use  
or  
DTD= required

**108. Two tables joined using SELF JOIN are different tables with the same columns**

Ans-

True

False

**109. In HTML, what is the default type of an input element?**

 Ans-

submit

text

hidden

reset

**110. What string datatype can be used for string that does not contain line feeds, carriage returns or tabs**

Ans-

xs: string

xs: name

xs: nospace

normalisedString

**111. Which element is used to indicate that elements defined in the xsd must appear in the same order in the xml file**

Ans-

<xs: sequence>

<xs: ordered>

<xs: queue>

<xs: same-order>

**112. Which is the HTML5 equivalent of <div id=" content">**

Ans-

<section>

<body>

<article>

<header>

**113. Which script displays an alert box with the required information when a button with the name msgbtn is clicked**

Ans- A

<script>document.getElementById("msgbtn").addEventListener("click",function(){alert("Welcome to button clicks!");});</script>

<script>document.getElementById("msgbtn").EventListener("click",function(){alert("Welcome to button clicks!");});</script>

<script>document.getElementById("msgbtn").includeEventListener("click",function(){alert("Welcome to button clicks!");});</script>

<script>document.getElementById("msgbtn").addEventListerner("click",function={alert("Welcome to button clicks!");});</script>

**114. Which of the given options define a set of activities that transform the client needs to an effective software solution**

Ans-

- ✓ Software planning
- Software cost estimation
- Software development process**
- Software resource planning

115. order the types of cohesion from the worst cohesion to the best cohesion

- a. functional cohesion
- b. co-incidental cohesion
- c. communicational cohesion
- d. temporal cohesion
- e. procedural cohesion
- f. logical cohesion
- g. sequential cohesion

Ans- b-f-d-e-c-g-a

116. After the development of the online website for banking, the testers found that the application was not user friendly to differently abled people. Identify in which level of testing, the testers would have identified this issue

- Ans-
- Unit testing
- Integration testing
- System testing**
- Acceptance testing

117. In javascript, which of the following popup boxes has the cancel button? Choose one

- Ans-
- Alert box and prompt box
- Alert box and confirm box
- Confirm box and prompt box**
- Alert box, prompt box and confirm box

**118. which of the following is correct if the xsd is <xs: element name="bgcolor" type="xs: string" fixed="green"/>**

Ans-

- <bgcolor>green</bgcolor>
- <bgcolor>red</bgcolor>
- <bgcolor>green<bgcolor>
- <bgcolor>GREEN</bgcolor>

**119. Choose a query that will display the names of colleges where the available seats are between 50 to 100 hint: inclusive of 50 and 100**

Ans-

Select college\_name from college where available\_seats=50 and available\_seats=100;

Select college\_name from college where available\_seats 50 and available\_seats 100;

**Select college\_name from college where available\_seats between 50 and 100;**

Select college\_name from college where available\_seats between 50 to 100;

**120. What will be the XSD definition for the following element <age>40</age>**

Ans-

- <xs:element name="age" type="xs:integer"/>
- <xs:element name="age" type="Integer"/>
- <element name="age" type="xs:integer"/>
- <xs:element name="age" type="xs:int"/>

**121. Which is the correct implementation for a progress bar in HTML5**

Ans- #review

- <progress value="20" max="100"></progress>
- <progress value:20 max:100></progress>
- <progress value max="20","100"></progress>
- <progress value="20" and max="100"></progress>

**122. Which command is used to get intermediate result in a pipeline of commands in Unix**

Ans-

tee

grep

wc

ls

**123. Carefully read the question and answer accordingly. A simple algorithm may have high complexity, whereas a complex algorithm may have lower complexity in the sense of time needed for the computations. State true or false**

**Ans-**

**True**

**False**

**124. Identify which is not an XML Naming Rule**

**Ans-**

The names of elements are case- sensitive

Names of elements must not contain spaces

**Element names can start with letters xml**

An underscore can be used to start an element name

**125. Which is not part of HTML5 API**

**Ans-**

HTML Geolocation

HTML application cache

HTML Drag and Drop

**HTML Geography**

**126. In javascript, which of the following code is valid to get an html element by name?**

**Ans-**

**document.getElementsByName**

document.getElementByName

document.getElementsByNames

document.getElementByNames

127. Which of the following options in UNIX can be used for printing the calendar for December 2019?

Ans-

\$ cal 12 2019

\$ cal dec 2019

\$ cal December 2019

\$ calendar 2019

128. Kernel of UNIX operating system is written using \_\_\_\_\_

Ans-

C

answer is C language

C++

VC++

X

JAVA

129. Predict the output

```
class Clamper
{
 private final void amp()
 {
 System.out.println("Clamper");
 }
}
public class Clipper extends Clamper
{
 public final void amp()
 {
 System.out.println("Clipper");
 }
 public static void main(String[] args)
 {
 new Clipper().amp();
 }
}
```

Ans – Compile time error

130. Which option can be used to perform a forward search of string in the vi editor

Ans-

/string

/find

?find

?string

131. Unix executables are stored in which path?

Ans-

/dev

/bin

/usr

/tmp

132. Which command can be used for navigating 5 pages forward in vi editor

Ans-

5 ctrl + f

5 ctrl + b

5 ctrl + a 20 times

5 ctrl +c 20 times

133. Carefully read the question and answer accordingly. In an array, if an item to be searched is found in the middle of an array then it is said to be \_\_\_\_\_

Ans-

Best case

Worst case

Average case

Null case

134. Constraints ensures \_\_\_\_\_ and \_\_\_\_\_ of the data in the database

Ans-

Correctness ✓

correctness and reliability

Reliability ✓

A and B

Reuse

Redundancy ✗

**135. Predict the output**

```
class TestException extends Exception
{
}

class Name
{
 public String sayName(String name) throws
 TestException
 {
 if(name==null)
 {
 throw new TestException();
 }
 return "Hello "+name;
 }
}
public class Main
{
 public static void main(String args[]) throws
 Exception
 {
 Name nameobj=new Name();
 System.out.println(nameobj.sayName("John"));
 }
}
```

Ans- Hello John

**136. Select the abilities given by Polymorphism to the programming language**

Ans-

Static polymorphism is achieved by varying the input parameters

Parent class methods can be overridden by the child class

Static class is given as-a part of relationship

Gives a stronger form of aggregation and composition

**137. Sam and Rose are working on the Lone Monitoring project. The head version was checked out by both Sam and Rose, both of them made their changes in the local machine. Both of them made the required changes and updated the same to the server. From the given options identify the correct option**

Ans-

Both their changes get committed to the server

First person change gets committed while for the second one the server notices life differences

Both the project gets rolled back

**Second project gets overwritten by the first one**

138. The following code snippets belong to \_\_\_\_\_

```
int Search(int arr[],int s,int toFind)
{
 int index,retVal=-1;
 for(index=0;index<=s;index++)
 {
 if(toFind==arr[index])
 {
 retVal=index;
 break;
 }
 }
 return retVal;
}
```

Ans-

- Linear search
- Binary search
- Merge search
- Quick search

139. With respect to the Java code given below identify the number of references and number of objects

```
public class ApplicationTester{

 public static void main(String []args){
 String str1=new String("Java");
 String str2=new String("GFT");
 String str3=str1;
 str1=str1.concat(str2);
 str3=str2.toUpperCase();
 }
}
```

Ans-

- 4 objects and 3 references
- 3 objects and 4 references
- 2 objects and 3 references
- 3 objects and 3 references

140. What is the output expected for the below code?

```
public class ConstructorTest
{
 private ConstructorTest(int w)
 {
 System.out.println(w);
 }
 public static ConstructorTest(){ //Line-6
 System.out.println(10);
 }
 public static void main(String[] args)
 {
 ConstructorTest obj=new ConstructorTest(50);
 }
}
```

Ans- Won't compile because of Line=6, constructor can't be static

141. What will be the output of the following Java code?

```
public class ApplicationTest
{
 public static void main(String[] args)
 {
 char ch='4';
 switch(ch)
 {
 case '2':System.out.println("Hello");
 break;
 default: System.out.println("Hello");
 case '1':System.out.println("Hello");
 case '3':System.out.println("Hello");
 break;
 }
 }
}
```

Ans- "Hello" will be displayed 3 times

142. Consider the following Java code

```
public class Employee
{
 int empNo;
 public void setEmpNo(int num)
 {
 this.empNo=num;
 }
 public int getEmpNo()
 {
 return this.empNo;
 }
}
```

With respect to Employee class identify where empNo and num are stored int the memory?

Ans-

empNo and num both are stored in heap

empNo and num both are stored in stack

**empNo is stored in heap and num is stored in stack**

empNo is stored in stack and num is stored in heap

143. What will be the output of the following code?

Opt B

```
public class Test
{
 public static void main(String[] args)
 {
 int x=7;
 switch(x)
 {
 case 2:
 System.out.println("2");
 break;
 default: //line-1
 System.out.println("default");
 break;
 case 3:
 System.out.println("3");
 break;
 }
 }
}
```

Ans- default

144. Consider the following Java code

```
public class Employee
{
 private int empId;
 String empName;
}
```

If you want to access empName of Employee class in all the sub classes of Employee class in the same package as well as sub classes is in some other package; which access specifier will you use?

Ans-

Public

Private

**Protected**

Default

145. Which of the following are inline HTML elements

<i>, <h6>, <a>

Ans- <i> and <a>

146. Consider the javascript code given below. What would be the print values from line 1 and line 2 on execution?

```
<html>
<body>
 <p id="id1"></p> <!-- Line 1-->
 <p id="id2"></p> <!-- Line 2-->
 <script>
 var y=10;
 myFunction();
 document.getElementById("id1").innerHTML=y;
 document.getElementById("id2").innerHTML=window.y;
 function myFunction()
 {
 y=20;
 y=y+window.y;
 }
 </script>
</body>
</html>
```

Ans- 40 40

147. What is the output of the program?

```
public class Compute
{
 public static void main(String[] args)
 {
 int arr1[]={1,2,3,4,5};
 int arr2[]=arr1;
 int sum=0;
 for(int j=0;j<3;++j)
 sum+=(arr1[j]+arr2[j+1]);
 System.out.println(sum);
 }
}
```

Ans- 15 (20)

15

answer = only 15

148. Consider table Event(EventId, dateOfEvent) has following records

Event id	DateOfEvent
_____	_____

E1                   **12-JAN-2018**

E2

E3                   **13-JUN-2018**

**Identify the appropriate SQL statement to retrieve the eventid for which there is no date available**

Ans-

Select eventid from event where dateOfEvent IS NULL;

Select eventid from event where dateOfEvent = NULL;

Select eventid from event where dateOfEvent LIKE "NULL";

Select eventid from event where dateOfEvent IS "NULL";

**149. Consider table Department(deptId, deptname) Which of the following query is used to display the department details whose dept\_name has second letter as 'a' and second last letter as 'e'?**

Ans-

Select \* from department where deptname LIKE '\_a%e\_';

Select \* from department where deptname LIKE 'a%e\_';

Select \* from department where deptname LIKE '%a%e\_';

Select \* from department where deptname LIKE 'a%e%';

**150. Consider table Product(productId, price) Identify the appropriate SQL statement to display all the product details whose price range is 2500 and 5000 (exclusive 2500 and 5000) choose two most appropriate option**

Ans-

Select \* from product where price BETWEEN 2500 and 5000;

**Select \* from product where price>2500 and price<5000;**

Select \* from product where price>=2500 and price<=5000;

Select \* from product where price BETWEEN 2501 and 4999;

**151. What will be the output of the following Java code?**

```
public class ApplicationTester
{
 public static void main(String[] args)
 {
 for(int i=1;i<=3;i++)
 {
 if(i==2)
 {
 continue;
 }
 for(int j=1;j<=3;j++)
 {
 if(j==2)
 {
 continue;
 }
 System.out.println("GFT");
 }
 }
 }
}
```

Ans- GFT will be displayed 4 times

152. Consider the table Item( ItemCode, ItemName, Price, Category). Which is the correct sql query to display minimum price for categories 'A','C'? Choose most appropriate option

Ans- review

Select Category, MIN(Price) from Item where Category IN ('A','C');

Select Category, MIN(Price) from Item group by category where Category IN ('A','C');

Select MIN(Price) from Item group by Price having Category IN ('A','C');

**Select Category, MIN(Price) from Item where Category IN ('A','C') Group by Category;** ans=D

153. What would be the output of the SQL statement given below?

SELECT TRANSLATE('aAB-Cb-abc', 'abc-','123\*') from DUAL;

Ans- 1AB\*C2\*123

154. Consider table Account(acId, acctype, balance). Identify the appropriate SQL statement to display account details in the ascending order of balance and in the descending order of accId if the balance is same. Choose most appropriate one

Ans-

Select \* from account order by balance, accId DESC;

Select \* from account order by balance ASC,accId;

Select \* from account order by accId DESC, balance ASC;

Select \* from Account Order by accId DESC,balance;

**155. Consider table Students (sid NUMBER (3), sname VARCHAR2 (10), scontact NUMBER (10)) is already created in the database. It is required to change the data type of the column “scontact” to VARCHAR2 (15). Which of the following is Correct for the above requirement?**

**Note:** sid column is primary key

**Choose most appropriate option**

**Ans-**

To change the data type of a column, it is important to ensure that the corresponding column is not having data for any of the record

There are no criteria to be followed. We can change the datatype of the column irrespective of the data.

Data type can be changed only for primary key column

It is not possible to change the data type of a column

**156. Identify the correct statements with respect to constraints**

- (i) A table can have only one FOREIGN KEY
- (ii) A column with UNIQUE constraint cannot have NULL value

**Ans-**

Only (i)

Only (ii)

Both (i) and (ii)

Neither (i) and (ii)

**157.What will be displayed in alert box while executing the below code**

```
<html>
 <head>
 <script>
 var data1=100;
 var data2="100";
 if(data1==data2)
 {
 //Line-x
 alert(data1+data2);
 }
 else
 {
 alert('not equal');
 }
 </script>
 </head>
<body>
</body>
</html>
```

**Ans- 100100**

158. Refer the HTML code given below. How many cells will be displayed when the page is displayed on the browser?

```
<html>
<body>
 <table border="1">
 <tr><th>A</th>
 <th colspan="2">B</th>
 </tr>
 <tr><th rowspan="3">C</th>
 <th>D</th>
 <th>E</th>
 </tr>
 <tr>
 <th>A</th>
 <th rowspan="2">B</th>
 </tr>
 <tr>
 <th>D</th>
 </tr>
 </table>
</body>
</html>
```

Ans- 8

A	B
D	E
C	A
D	B

159. Assume below code present in the HEAD tag of a HTML page.

```
<style> #myclass{background-color: lightgrey; color:blue;}</style>
```

Identify the appropriate HTML code to USE the style given Above

Ans-

```
<h1 id="myclass"> Welcome to My Homepage</h1>
<h1 style="myclass"> Welcome to My Homepage</h1>
<h1 class="myclass"> Welcome to My Homepage</h1>
<h1 id=".myclass"> Welcome to My Homepage</h1>
```

160. What would be the color of the text “Bengaluru” and “India” while executing the below html and css code? Assume that “Black” is the default color if there is no style applied

```
<html>
 <head>
 <style>
 p{color:red;} .c1{color:green;}
 </style>
 </head>
 <body>
 <p>Bengaluru</p>
 <p class="c1">India</p>
 </body>
</html>
```

Ans-Bengaluru – Red, India- Green

161. What would be the output of the java script code given below?

```
<html>
 <head>
 <script>
 function print()
 {
 var value1=1;
 var value2="2";
 var value3=2;
 if(value2==value3)
 {
 alert(value1+value3);
 }
 else
 {
 alert(value1+value2);
 }
 print();
 }
 </script>
 </head>
</html>
```

Ans- 12

162. Consider the java code given below. How many times will the Grandfather class constructor be called?

```
class Grandfather
{
 public Grandfather()
 {
 System.out.println("Grandfather");
 }
}
class Father extends Grandfather
{
 public Father()
 {
 System.out.println("Father");
 }
}
class Child extends Father
{
 public Child()
 {
 System.out.println("Child");
 }
}
public class MainClass
{
 public static void main(String[] args)
 {
 new Child();
 new Father();
 }
}
```

**Ans- (2 times)**

Grandfather  
Father  
Child  
Grandfather  
Father

**163. Which of the following is TRUE about the final keyword?**

1. Final variables cannot be modified once initialized
2. Final methods can be overridden
3. Final classes cannot be inherited

**Ans-**

- Only 1  
Both 1 and 2  
Only 2  
**Both 1 and 3**

**164. Which of the following statements is/are FALSE?**

- a. JVM is platform dependent  
b. Byte code is platform dependent

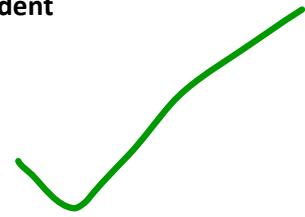
Ans-

Only a is false

Both a and b are false

**Only b is false**

Both a and b are true



165. What will be the output of the following Java code?

```
public class Test
{
 static int x=0;
 public static void main(String[] args)
 {
 for(int x=0;x<5;x++)
 {
 }
 System.out.println(x); //line 8
 }
}
```



Ans- 0

166. What will be printed in alert box in line 1

```
<!DOCTYPE html>
<html>
 <body>
 <script>
 var x=(3+3)+4+'6';
 alert(x); //line-1
 </script>
 </body>
</html>
```



Ans- 106

167. What would be the output of the javascript code given below

```
<!DOCTYPE html>
<html>
 <head>
 <script>
 var data=10;
 document.write(typeof(data));
 </script>
 </head>
</html>
```

Ans- number

168. Which of the following are Correct statement

- a. onClick() and onFocus() are DOM events
- b. In javascript a browser is represented by an implicit object called Document
- c. Java script is used server-side validation

Ans-

A and c

Only a

B and c

A and b

169. What would be the output of the java script code given below

```
<html>
 <head>
 <script>
 var data1=100;
 function test()
 {
 var data1=200;
 window.data1=data1+10;
 }
 test();
 document.write(data1);
 </script>
 </head>
 <body></body>
</html>
```

Ans- 210

170. What will be the output of the following code?

```

public class Test5
{
 int i;
 Test5()
 {
 System.out.println("hi ");
 }
 Test5(int xyz)
 {
 i=xyz;
 System.out.println(i);
 }
 public static void main(String[] args)
 {
 Test5 e1=new Test5();
 Test5 e2=new Test5(10);
 }
}

```



Ans- hi 10

171. Which code should be inserted at line #4 to get the below output – 2 4 6 8 10

```

public class ArrayTester
{
 public static void main(String[] args)
 {
 int[] evenNumbers={2,4,6,8,10};
 //Code to be inserted
 System.out.print(evenNumbers[i]+" ");
 }
}

```

Ans-

for(int i=0; i<=evenNumbers.length;i++)  
 for(int i=0; i<evenNumbers.length-1;i++)  
**for(int i=0; i<evenNumbers.length;i++)**  
 for(int i=0; i<evenNumbers.length-2;i++)

172. Consider table Book (bookId, bookName, copies) has following records

bookId	bookName	copied
B1	JAVA	0
B2		4
B3	ORACLE	2



Identify the output of the given sql statement

SELECT COUNT (bookName) FROM Book WHERE copies>0;

Ans- 1

173. Consider table Employee (empId, empname, jobband). Choose the correct sql statement to retrieve all employee ids along with their job band. If job band is not assigned to an employee, then it should display 'NA' as job band (note: Data type of column jobBand is VARCHAR2)

Ans-

```
SELECT empId, NVL(jobband),'NA' FROM Employee;
SELECT empId, NVL(jobband,NULL,'NA') FROM Employee;
SELECT empId, NVL(NULL,'NA',jobband) FROM Employee;
SELECT empId, NVL(jobband,'NA') FROM Employee;
```

174. Refer the following Java code

```
public class ApplicationTester
{
 public static void main(String[] args)
 {
 int i=1;
 while(i<=5)
 {
 if(i==2)
 {
 i++;
 continue;
 }
 if(i==3)
 {
 break;
 }
 i++;
 System.out.println("Hello ");
 }
 }
}
```

When the above code is executed how many time/times "Hello" will be printed on the console?

Ans- 1 time

175. Consider table Students(studentId,branchId). Identify the correct sql statement to retrieve the branches which has more than 3 students.

Ans-

```
SELECT branched FROM Students WHERE COUNT(*)>3 GROUP BY branched;
SELECT branched FROM Students HAVING COUNT(*)>3;
SELECT branched FROM Students GROUP BY studentid HAVING COUNT(*)>3;
SELECT branchid FROM Students GROUP BY branchid HAVING COUNT(*)>3;
```

176. With respect to the java code given below identify the relationship that exists between class Account and SavingsAccount

```
public class Account
{
 private double balance;
 private int accountNumber;
}
public SavingsAccount extends Account
{
 //some valid java code
}
```

Ans-

Aggregation

Composition

There is no relationship between class Account and class SavingsAccount

Inheritance

177. Which of the following statement/s is/are TRUE?

1. Abstract method can have body
2. Abstract class cannot be instantiated
3. Abstract class can have constructor

Ans-

Both 1 and 2 are true

**Both 2 and 3 are true**

Both 1 and 3 are true

Only 2 is true

178. Given the following declaration which expression returns the size of the array, assuming the array has been initialized?

Int[] array;

Ans-

Array[].length();

Array.length();

**Array.length;**

Array[].size();

179. What will be the output of the following java code?

```
public class ApplicationTester
{
 public static void main(String[] args)
 {
 char ch='n';
 if(ch>='a' && ch<='z')
 {
 System.out.println("Lower case letter");
 }
 else
 {
 System.out.println("Upper case letter");
 }
 }
}
```

Ans- Lower Case Letter

180. Identify how many variables/object will be in stack and heap residency?

```
public class ApplicationTester
{
 public static void main(String[] args)
 {
 int id=12345;
 String name=new String("Rama");
 double salary=55555.55;
 }
}
```

Ans-

3 in stack 1 in heap

2 in stack 2 in heap

4 in stack 0 in heap

0 in stack 4 in heap

181. Refer to the below code and predict the output

```
public class ApplicationTester
{
 public static void main(String[] args)
 {
 String x=new String("xyz");
 String y="abc";
 x=x+y;
 }
}
```

How many String objects are created in the above code?

Ans-

- 2
- 3
- 1
- 4



182. Consider the Employee class given below

```
public class Employee
{
 private int empno;
 private double salary;
 public void computeSalary()
 {
 // code for compute salary
 }
}
```

If you do not want all the subclasses of Employee class to override the computeSalary() method, what modification will you do for computeSalary() method?

Ans-

- Make computeSalary() method as abstract
- Make computeSalary() method as final
- Make computeSalary() method as static



183. Choose most appropriate option

```
//line 1 to line 32 code no image
import pack1.A;
public class B extends A
{
 public B()
 {
 //line 1
 }
 void display()
 {
 }
}
package pack2;
import pack1.A;
public class MyMain
{
 public static void main(String[] args)
 {
 A obj1=new B();
 obj1.setI(30);
 obj1.setJ(40);
 A obj2=obj1;
 obj2.setI(50);
 obj1.disp();
 obj2.disp();
 }
}
```

Ans- 50 40 50 40

184. Identify the relationship that exists between class Student and class Faculty.

```
public class Student
{
 private String name;
 private int rollNumber;
 //getter setter methods
}
public class Faculty
{
 private String name;
 private Student student;
 public void setStudent(Student student)
 {
 this.student=student;
 }
}
```

Ans-

Composition

Inheritance

No relationship

**Aggregation**

185. Which is the correct CSS code to display the text "Accenture" in light grey background?

Choose most appropriate option

Ans-

<h2 style = "background-color : lightgrey"> Accenture </h2>

<h2 background-color : lightgrey> Accenture </h2>

<h2 style = "background-color(lightgrey)"> Accenture </h2>

<h2 style = "background-color = lightgrey"> Accenture </h2>

186. Which of the following are the CSS selectors? 

a. Element selector

b. form selector

c. class selector

Ans-

A and B 

A and b

A and c

its A and C

B and c

A, b and c

187. Consider the java code given below and determine how many references are used in the java code. Assume the student is a valid java class

```
public class StudentTester
{
 public static void main(String[] args)
 {
 Student s1=new Student();
 Student s2=new Student();
 Student s3=s1;
 Student s4=s1;
 }
}
```

Ans-

2 objects and 4 references

4 objects and 2 references

2 objects and 2 references

3 objects and 4 references

188. Predict the output of the following code

```
package com.accenture.demo;
public class WhileLoopSample
{
 public static void main(String[] args)
 {
 int number1=100;
 while(number1>200); //Line-5
 {
 System.out.println("welcome");
 }
 System.out.println("Hello");
 }
}
```

Ans- Welcome hello

189. Predict the output

```
public abstract class Employee
{
 public abstract Employee()
 {
 System.out.print(" 1 ");
 }
}
public class ProjectManager extends Employee
{
 public ProjectManager()
 {
 System.out.print(" 2 ");
 }
}
public class ApplicationTester
{
 public static void main(String[] args)
 {
 Employee emp=new ProjectManager();
 }
}
```

Ans-

Compilation error: illegal modifier for the constructor in type Employee

190. What would be the output of the below java script code?

```
<html>
 <body>
 <script>
 var x=5;
 var d=(x != "5");
 document.write(d+"--");
 d=(x==="5");
 document.write(d);
 </script>
 </body>
</html>
```

Ans- false—false

191. You have three packages p1,p2,p3 what is the expected output of compiling and running file tester in p3 package?

```
package p1;
public class Account
{
 protected Account(){ //line 3
 System.out.println("Account");
 }
}
package p2;
import p1.Account;
public class CurrentAccount extends Account
{
 public CurrentAccount()
 {
 System.out.println("CurrentAccount");
 }
}
package p3;
import p1.Account;
import p2.CurrentAccount; //line3
public class Tester
{
 public static void main(String[] args)
 {
 Account c=new Account(); //line 6
 CurrentAccount ca=new CurrentAccount();
 }
}
```

Ans-

Account CurrentAccount

Compilation error at line6 in package p3 Constructor 'Account' is not visible

Compilation error at line3 in package p3 cannot import CurrentAccount class

192. What will be the output of the following java code

```
public abstract class Employee
{
 protected double salary;
 public Employee(double salary)
 {
 this.salary=salary;
 }
 public abstract void computeSalary();
 public double getSalary()
 {
 return this.salary;
 }
}
public class ProjectManager extends Employee
{
 private int teamSize;
 public ProjectManager(double salary,int teamSize)
 {
 //Line-1
 this.salary=salary;
 this.teamSize=teamSize;
 }
 public void computeSalary()
 {
 System.out.println(this.salary);
 }
}
public class ApplicationTester
{
 public static void main(String[] args)
 {
 Employee emp=new ProjectManager(10000,0,5);
 emp.computeSalary();
 }
}
```

Ans-

10000

0

Null

Compilation error at Line-1 : Implicit super constructor: Employee() is undefined Must explicitly invoke another constructor

193. Refer to the below code and predict the output

```
interface A
{
 public void method1();
}
class Demo implements A
{
 public void method1()
 {
 System.out.println("1");
 }
}
class ParentTest extends Demo
{
 public void method1()
 {
 System.out.println("2");
 }
}
public class Test extends ParentTest
{
 public static void main(String[] args)
 {
 A a=new ParentTest();
 a.method1();
 }
}
```

Ans- 2

194. Consider table Item(itemId, category, unitprice). Identify the appropriate SQL statement to display the category and count of items in each category in the ascending order of item count. It should display the item details only if the count of item is greater than 1

Ans-

SELECT category, count(itemId) FROM item WHERE Count(itemId)>1 GROUP BY category ORDER BY COUNT (itemId);

SELECT category, count(itemId) FROM item GROUP BY category HAVING Count(itemId)>1 ORDER BY COUNT(itemId);

SELECT category, count(itemId) FROM item HAVING Count(itemId)>1 ORDER BY COUNT(itemId);

195. Consider table Item(itemId, category, unitprice). Identify the appropriate SQL statement to display Item id, and discount in the ascending order of discount

Ans-

Select itemId, discount=unitprice\*0.1 from Item order by discount;

Select itemId, unitprice\*0.1 as discount from Item order by discount;

Select itemId, discount from item order by discount;

Select itemId, unitprice\*0.1 as discount from item order by itemId;

196. You are suppose to create a table “ExamResult” with the following descripton. studentId NUMBER(4), courseid VARCHAR(10), mark NUMBER(3). There should not be duplicate combination of studentId, and courseid in any record. Identify the correct DDL statement to create ExamResult table

Ans-

`CREATE TABLE ExamResult( studentId NUMBER(4), courseid VARCHAR2(10), mark NUMBER(3),  
CONSTRAINT er_pk PRIMARY KEY(studentId, courseid));`

197. Kevin is a java programmer. He writes a Java code and compiles his code. What type of file Kevin will get as a result of compiling his Java code?

Ans-

Java file

.exe file

.class file

Obj file

198. Ram is a Developer; he receives a defect list from the testing team for the code which he developed. He fixes the defects and assigns it back to the test manager/tester. What should be the status of the defect now?

Ans-

Open

Fixed

Closed

New

199. Software Configuration Management, \_\_\_\_\_ concept is used to control the changes

Ans-

Baseline

Process

Procedure

Audit

200. Consider the given array:

 E A F B D C

E A F B D C

A E F B D C

A E B F D C

A E B D F C

A E B D C F.... so on

After all consecutive iterations, the array is sorted

Which sorting technique compares the adjacent data elements and swaps each pair of elements?

Ans-

Quick sort

Bubble sort

Merge sort

Heap sort

201. Difficult Unit test performed on the post office savings schemes module. Assume that the minimum deposit amount is Rs. 1000 and the maximum deposit amount is Rs. 10000. Based on the Boundary Value Analysis choose the correct test cases to perform this unit test.

Ans-

999,1000,10000,10001

800,6000,15000

999,1001,5000,9999,10001

1000,5000,10000

202. John is a poker card player in a casino. The way he arranges his cards as he picks them up one by one is a real time example of which sorting technique?

Ans-

Bubble sort

Merge sort

Insertion sort

Selection sort

 203. In many situations, it would be necessary to make a decision before arriving at a conclusion or to go on to the next step of processing. Which of the following suits the given description?

Ans-

Conditional statement

All of the options

Iterative statement

Sequential statement

204. which of the following program has the lowest run-time complexity?

Ans-

Tower of Hanoi

B/ c but mostly c

Sum of n Digits

**Find even or odd**

answer=even add

Fibonacci series

205. Manual execution of steps in an algorithm is called as \_\_\_\_\_.

Ans-

Dry run

Flowchart

Quick run

Pseudocode

206. In case of Banking application, customers are the only stakeholders State true or false

Ans-0

false

207. Dave has to store data in a nonlinear data type to represent hierarchical relationship between elements. Which data structure should he use for it?

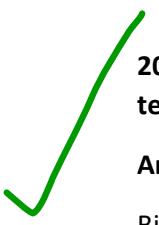
Ans-

Linked List

Stack

Queue

Tree

 208. The names in a telephone directory were not in order. It took a long time to look for the telephone number of a particular person. Which algorithm would be the best to resolve this issue.

Ans-

Binary Search

Linear Search

Deletion Algorithm

**Sorting Algorithm**

 209. Roshan is a beginner in the learning path of Data Structure. Assume a singly linked list of length  $n$  is given. In a worst-case scenario, he wants to find out the maximum number of computations required to search for a given element. Help Roshan to find out the best option

Ans-

$\log 2 n$

$N$

$\log 2n+1$

$\log 2n-1$

 210. A Professor class uses the Scheduler class to display the scheduled classes of the professor for a week. What will be the relationship between the Professor and the Schedule class?

Ans-

Inheritance

Aggregation

Composition

Dependency

 211. A system administrator needs to identify different types of files in the UNIX system. Help by matching the correct symbols used to identify the file type

1. - 2. I 3.b 4.c

With

a. Regular file b. Link file c. Block device file d. Character device file

Ans-

1-A, 2-B, 3-C, 4-D

1-D, 2-A, 3-B, 4-C

1-D, 2-B, 3-C, 4-A

1-D, 2-C, 3-B, 4-A

**212. Choose the executable query to display contact\_details by concatenating mail\_id and the phone number of employees (multiple answers possible)**

Example: table name- employee

Mail-id                  phone\_number

123@gmail.com    9755367343

Sample output: 123@gmail.com,9755367343

Ans-

SELECT concat(mail\_id, phone\_number) as contact\_details FROM employee;

SELECT mail\_id, (','), phone\_number as contact\_details FROM employee;

**SELECT concat(concat(mail\_id,','),phone\_number) as contact\_details FROM employee;**

SELECT || mail\_id || ',' || phone\_number as contact\_details FROM employee;

B & C ~~X~~

answer = only c opt

**213. Zara marketing company wants to keep track of the attendance of its employees in all of their branches so that the salary calculation can be done from the Central office located at Bangalore. The head office has delegated the work to the branch offices so that they can keep track of the attendance in any manner, be it manual or biometric or swipe cards etc.**

For the above scenario, identify the correct statements from the given options.

Ans-

**Head office is an abstract class**

Branch office is an abstract class

Head office is a concrete class

**Branch office is a concrete class**

Both head office and branch office are abstract classes

**214. Which of the following statements are true in regard to the object-oriented programming technique?**

1. object is a blueprint or template for a class
2. class is a blueprint or template for an object
3. object is an instance of a class
4. class is an instance of an object

Ans-

1 2 only

1 4 only

**2 3 only**

3 4 only

**215.** Assume a class Student with the attributes id, name, grade and collegeName. The value for collegeName is “Trindy” which is same for all the objects of the Student class. What type of variable is collegeName?

Ans-

**Static variable**

Instance variable possessed by each object

Local variable for the class

Public variable

**216.** Predict the output

```
import java.util.ArrayList;
import java.util.List;
public class TestUserMain
{
 public static void main(String[] args)
 {
 List<Number> l1=new ArrayList<Number>();
 l1.add(5);
 l1.add(5);
 System.out.println(sum(l1));
 }
 public static double sum(List<Number>l)
 {
 double sum=0;
 for(Number i:l)
 sum+=i.doubleValue();
 return sum;
 }
}
```

Ans- 10

**217.** What does an action flow represents in an Activity Diagram?

Ans-

Transition from one action state to another

Passing of data from activity to another

Trigger events

Flow of priority flows

218. Which of these is used to prevent the error 'ORA-00937' not a single group group function?

Ans-

Use group by clause

Use where clause

Use order by clause

Use having clause

219. Which key can be used to change the mode from input mode to command mode?

Ans-

Esc

Esc + i

Esc + a

Esc + l

220. Match the following

1. Tables 2. Index 3. Views 4. Synonyms 5. Sequences

a. store all the data in database

b. indicate where data is stored in another table

c. modify the user's view of data to only certain rows and columns in a table

d. definable label for a table

e. generate unique integers that can be assigned primary keys of tables

Ans-

1-A, 2-B, 3-C, 4-D, 5-E

1-E, 2-A, 3-B, 4-C, 5-D

1-D, 2-E, 3-C, 4-A, 5-B

1-D, 2-C, 3-E, 4-A, 5-B

 221. Choose an DDL command which delete all rows from the table and where the deleted data cannot be rolled back (hint: Table structure should not get deleted)?

Ans-

DROP

TRUNCATE

DELETE

None of the above

222. Match the following data command with the correct output

Consider today's date is 22<sup>nd</sup> April 2020

1. date +%b    2. data +%D    3. date +%F    4. date +%H

 With

- a. Apr    b. 04/22/20    c. 20-04-22    d.05

Ans-

1-A, 2-B, 3-C, 4-D

1-D, 2-A, 3-B, 4-C

1-D, 2-B, 3-C, 4-A

1-D, 2-C, 3-B, 4-A

223. predict the output for the given pseudocode snippet

SET count = 1

WHILE count less than or equal to 5

    Print "Hello world"

    Count = count+1

END WHILE

Ans-

Prints "Hello world" 5 times

Prints "Hello world" 6 times

Loop goes on infinitely

Prints "Hello world" 4 times

**224. Predict the output**

```
import java.util.ArrayList;
import java.util.List;
public class TestUserMain
{
 public static void main(String[] args)
 {
 List<Double> l1=new ArrayList<Double>();
 for(Double d: l1)
 {
 System.out.print(d);
 l1.add(54.98);
 }
 l1.add(29.32);
 l1.add(45.71);
 l1.add(34d);
 System.out.println(l1.size());
 }
}
```

Ans- 3

**225. Match the metacharacters with the respective types**

1. ?"[]![!] 2. >>><<< 3. ,() & && || 4. \$1 to \$9

- a. Positional parameters b. Filename substitution c. I/O Redirection d. Process Execution

Ans-

1-A, 2-B, 3-C, 4-D

1-D, 2-A, 3-B, 4-C

1-D, 2-B, 3-C, 4-A

**1-D, 2-C, 3-B, 4-A**

**226. the standard output of one program can be redirected as standard input to another program using \_\_\_\_\_**

Ans-

|

||

>

<

only A answer |

**227. Consider the query**

Start program

`DELETE FROM departments WHERE department_id=50;`

**ERROR 1: ORA-02292: integrity constraint (HR.EMP\_DEPT\_FK) violated – child record found**

End program.

What does the error convey?

Ans-

You cannot delete a row, if the row's primary key column holds a input that is present as a foreign key in another table

You cannot delete a row when it has column level constraints

You cannot delete a row when it has table level constraints

None of the options

**228. Which of the following**

- a. int number();
- b. float average
- c. double[] marks;
- d. counter int[];

Ans-

Which of the following statements are valid array declaration?

- (A) int number();
- (B) float average[];
- (C) double[] marks;
- (D) counter int[];

Ans-(B) & (C)

**229. Consider the following code snippet and predict the output**

```
public interface I
{
 int x; //Line - 1
 public void display();
}
public class C implements I //Line- 2
{
 public void display()
 {
 System.out.println("Hello");
 }
}
public class TestInterface
{
 public static void main(String[] args)
 {
 C obj=new C(); //Line-3
 obj.display();
 }
}
```

Ans- Compilation error at Line-1 : The blank final field 'x' may not have been initialized

**230. What will be the output of the following Java code**

```

//Trainee.java
public class Trainee
{
 private static int traineeCount;
 static{
 traineeCount=1000;
 }
 public Trainee()
 {
 traineeCount++;
 }
 public static void getTraineeCount()
 {
 System.out.println(traineeCount);
 }
}

//TraineeTester.java

public class TraineeTester
{
 public static void main(String[] args)
 {
 Trainee t1 = new Trainee();
 Trainee t2 = new Trainee();
 Trainee t3 = new Trainee();
 }
}

```

Ans- 1003

If `getTraineeCount()` is called  
answer 1003.  
Else no output as per the question

Just see whether that methods was  
called in question. Of yes, then 1003.  
Else no output.

231. What is the output of the following Java code

```

class Employee
{
 private int employeeId;
 private float basicPay;
 public void setEmployeeId(int employeeId)
 {
 this.employeeId = employeeId;
 }
 public void setBasicPay(float basicPay)
 {
 this.basicPay=basicPay;
 }
}

public class EmployeeTester
{
 public static void main(String[] args)
 {
 Employee emp = new Employee();
 emp.setEmployeeId(1001);
 emp.setBasicPay(15000.0f);
 System.out.println("Employee ID: "+employeeId);
 System.out.println("Basic Pay: "+emp.basicPay);
 }
}

```

Ans- Compilation error

232. Predict the output

```
abstract class Test1
{
 public Test1()
 {
 System.out.println("ONE");
 }
 abstract void abstractMethod();
}
class Test2 extends Test1
{
 public Test2()
 {
 System.out.println("TWO");
 }
 void abstractMethod()
 {
 System.out.println("THREE");
 }
}
public class TestClass
{
 public static void main(String args[])
 {
 Test1 x = new Test2();
 x.abstractMethod();
 }
}
```

Ans- ONE TWO THREE

233. Consider the table Product (pid, pname, pcost) Identify the appropriate SQL statement to rename the table to ProductsInfo.

Opt D

Ans-

ALTER TABLE Products RENAME TO ProductInfo;

234. Consider the table Account (accId, balance, accountType). The following constraints to be enforced

1. AccId should be unique and NOT NULL

2. Account type should be 'C' or 'S'. Balance should be greater than 1000 and 3000 for account type 'C' and 'S' respectively.

Identify the CORRECT SQL statement to create the Account table with the above mentioned constraints.

Ans-

CREATE TABLE account (accid NUMBER (2) CONSTRAINT acc\_pk PRIMARY KEY, balance NUMBER (4), accountType CHAR , CONSTRAINT acc\_chk CHECK (accountType='S' AND balance>3000) OR (accountType='C' AND balance>1000));

✓ 235. Which of the following is used to reference data that can act as an abbreviation or can be found at an external location?

Ans- ENTITY

236. Display the contents present inside <h1> tag in uppercase. Which of the following options will suit the requirement?

Ans- h1{text-transform: uppercase;}

✓ 237. \_\_\_\_\_ is an unparsed character data that can't be parsed by the parser.

Ans- CDATA

✓ 238. In a CSS script, each property of an element is separated by a \_\_\_\_\_

Ans – semicolon (;)

239. In CSS script, which of the following style is used to print a table with double border?

Ans- border-style: double;

✓ 240. An external Java script file can be included in an HTML code using the \_\_\_\_\_ attribute in a script tag

Ans – src

241. Predict the output

```
import java.util.ArrayList;
import java.util.List;
public class TestUserMain
{
 public static void main(String[] args)
 {
 List<Integer> l1 = new ArrayList<Integer>();
 l1.add(10);
 l1.add(20);
 l1.remove(10);
 l1.add(10);
 System.out.println(l1.size());
 }
}
```

Ans- Run time exception

242. Which of the following tag is not supported in HTML5 but used in HTML4?

Ans- ~~<CENTER>~~  
not hr

✓ 243. which OOP principle is the ranking or ordering of abstraction

Ans- hierarchy

✓ 244. The object which is used to fetch the input from an element for processing is \_\_\_\_\_

Ans- document  
Form  
navigate

245. Predict the output

```
import java.util.LinkedHashSet;
import java.util.Set;
public class TestUserMain
{
 public static void main(String[] args)
 {
 Set s1= new LinkedHashSet();
 s1.add("One");
 s1.add(1);
 s1.add(null);
 s1.add(3.4);
 s1.add("null");
 System.out.println(s1);
 }
}
```

Ans- [One, 1, null, 3.4, null]

246. in which of the following statements can sub queries used?

Ans –  
SELECT statement and UPDATE statement  
Alter statement  
DELETE statement  
All of the above

247. Match the appropriate options to move cursors in the vi editor

1. I 2. k 3. h 4. b

With

- a. move cursor down one line
- b. move cursor up one line
- c. move cursor left one line
- d. move cursor to beginning of next word

Ans-

1-A, 2-B, 3-C, 4-D

248. For a logically cohesive module, there are some activities to be experimented. These activities are preferred from inside the module itself

Is the above given statement true? If not, choose the correct option to make it true.

Ans-

the activities are selected from outside the module

the activities are selected in a random manner

the activities are selected in a sorted manner

the given statement is true

249. Which of the given pseudocodes finds the perimeter (circumference) of the circle radius

Ans-

```
BEGIN
NUMBER radius, circumference
INPUT radius
Circumference=2*3.14*radius
OUTPUT circumference
END
```

250. which of the given statements are true with respect to hierarchy principle of OOP

Ans-

Generalization represents "IS A" relationship between classes

251. Predict the output

```
import java.util.Map;
import java.util.TreeMap;
public class TestUserMain
{
 public static void main(String[] args)
 {
 Map<String, String> m1= new TreeMap<String, String>();
 m1.put("null", null);
 m1.put(null, "Raju");
 System.out.println(m1);
 }
}
```

Ans- Run time exception

252. Predict the output

```
import java.util.Arrays;
import java.util.Comparator;
class Test implements Comparator<Integer>
{
 public int compare(Integer o1, Integer o2)
 {
 return o1.compareTo(o2);
 }
}
public class TestUserMain
{
 public static void main(String[] args)
 {
 Integer intArr[]={3,8,1};
 Arrays.sort(intArr,new Test());
 for(int i:intArr)
 System.out.print(i+" ");
 }
}
```

Ans – 1 3 8

253. Predict the output

Which of the following statement has to be uncommented in order to compile the above code without any errors?



```
import java.util.*;
class Employee
{
}
class TempEmp extends Employee
{
}
class DayEmp extends TempEmp
{
}
public class TestMain
{
 ArrayList<TempEmp> getsalary()
 {
 //return new ArrayList<TempEmp>();
 //return new ArrayList<DayEmp>();
 //return new ArrayList<Object>();
 //return new ArrayList<Employee>();
 }
}
```

Ans-

Return new ArrayList<TempEmp>();

254. which of the following is a well formed XML document?

Ans-

Startprogram

```
<employee>
 <empname>ravi</empname>
 <address location="north">nehrunagar</laddress>
 <phone>23251545</phone>
</employee>
```

Endprogram

255. Which of the following java script code helps to change the content of the anchor tag?

Startprogram

```
<script>
function func(){
// insert the appropriate code from the given options
}
```

```
 }

```

```
</script>
```

```
 click here
```

End program

Opt D

Ans=

```
Document.getElementById("hid1").innerHTML="clicked"
```

256. which of the following jQuery script is valid to hide the first occurred paragraph with the class name as hideMe

Ans – review

```
$(“p.hideMe:hide(first)”);
```

257. consider the table Project (ProjectId, ProjectName, ProjectType) is created without any constraint and has the records as per attachment

ProjectId	ProjectName	ProjectType
P1	FIN	A1
P2	SALE	A2
P1	FIN	A1

Identify the ALTER statement which executes successfully on project table.

Ans-

```
ALTER TABLE Project ADD CONSTRAINT proj_pk PRIMARY KEY(ProjectId);
```

```
ALTER TABLE Project ADD CONSTRAINT proj_uk UNIQUE(ProjectName);
```

```
ALTER TABLE Project ADD CONSTRAINT proj_no NOT NULL(ProjectType);
```

```
ALTER TABLE Project ADD CONSTRAINT proj_chk CHECK(ProjectType IN(“A1”, “A2”));
```

258. Consider table Player(PlayerId, PlayerName, Rating) has records as shown below.

PlayerId	PlayerName	Rating
P1	Sachin	5
P2	ABD	4.3
P3	Virat	4.6
P4	Watson	4.3
P5	Butler	4.6

Identify the appropriate SQL statement to display the player details whose rating is equal to Virat's rating or Watson's rating (note: Result can have Virat's and Watson's record as well)

Ans-

SELECT \* FROM Player where Rating IN (SELECT Rating FROM Player WHERE PlayerName = "Virat" or PlayerName= "Watson");

259. What access specifier can be used for computeSalary() method in Employee class so that code in Line-1 will execute without any error?

```
package myPackage;
public class Employee
{
 private int empNo;
 private double salary;
 //getter and setter methods
 void computeSalary()
 {
 //logic to compute salary
 }
}

package myPackage;
public class PackageTester
{
 public static void main(String[] args)
 {
 Employee emp = new Employee();
 //valid Java code
 emp.computeSalary(); //Line-1
 }
}
```

Ans- Either public or protected or default

260. Consider the tables given below

Customer (customerId, customerName)

Book (bookId, bookName)

Purchase (purchaseId, bookId, customerId)

bookId and customerId in purchase table are foreign keys referring to Book and Customer book tables respectively. Which is the CORRECT SQL statement to retrieve name and book name for all books purchased by customers?

Ans-

SELECT c.customerName, b.bookName FROM customer c INNER JOIN purchase p ON c.customerId=p.customerId INNER JOIN book b ON b.bookId=p.bookId;

261. Which command can be used in vi editor to delete 10 lines?

Ans – 10 dd

 262. What operator is used to present the error “ORA-01427: single row sub query returns more than one row?

Ans – Use the IN operator

 263. a company wants to create a Leave Management System software for its employees. Find the classes for Employee Leave Management software. The company wants to maintain its employee's leave information.

Ans- (some chose company also)

Employee      A B C  
Leave  
Company  
Project

 264. Choose an SQL query to find name of all the employees whose name contain the word “kumar” example kumaran, arun kumar (kumar will be at any place)

Ans-

`SELECT * FROM employees where lower(name) like "%kumar%";`

 265. the element to specify a list of predefined options for input controls is

Ans- <datalist>

266. Given the following XML document

```
<studentname>
<first>raveena</first>
<last>dantan</last>
</studentname>
```



What is a correct schema structure for it?

Ans-

OptA

Startprogram

```
<xsd:schema xmlns:xsd="http://www.w3.org/2001/XMLSchema">
<xsd:element name="studentname">
<xsd:complexType>
```

```
<xsd:sequence>
<xsd:element ref="first />
<xsd:element ref="last />
</xsd:sequence>
</xsd:complexType>
</xsd:element>
</xsd:schema>

Endprogram
```

**267. Predict the output**

```
import java.util.ArrayList;
public class TestUserMain
{
 public static void main(String[] args)
 {
 ArrayList<String> a1=new ArrayList<String>(5);
 a1.add("Ten");
 a1.add("Twenty");
 a1.add(4,"Fifty");
 a1.add("Thirty");
 a1.add("Fourty");

 System.out.println(a1);
 }
}
```

Ans- IndexOutOfBoundsException

**268. Predict the output**

```
import java.util.Iterator;
import java.util.Set;
import java.util.TreeSet;
public class TestUserMain
{
 public static void main(String[] args)
 {
 Set s1=new TreeSet();
 s1.add(10);
 s1.add("20");
 s1.add(30);

 Iterator t1=new Iterator();
 while(t1.hasNext())
 System.out.println(t1.next()+" ");
 }
}
```

Ans – CTE

269. Consider the following java code

```
public class SoftwareEngineer
{
 private String name;
 private int empId;
 public SoftwareEngineer(string name,int EmpId)
 {
 this.empId=empId;
 this.name=name;
 }
}
```

Opt A

Identify the CORRECT Java code which will help you to create an instance of Software Engineer

Ans- SoftwareEngineer engineer = new SoftwareEngineer("Dave",1007);

270. Given two executable queries

a.) select name, address from users where user\_id not in(select user\_id from bookingdetails where lower(name)='city union bank') order by name;

b.) select name, address from users where user\_id in (select user\_id from bookingdetails where lower(name) != "city union bank") order by name;

will both queries produce the same output?

Ans- True

271. State True or False

A sequence diagram can represent object interactions arranged in a time sequence. It will represent only a sequence of the flow but aspects like branching, looping cannot be represented in the sequence diagram

Ans- False

272. Mrs, Nancy has a Pan Card

What is the cardinality relationship between the entities: Person and Pan card

Ans- One to One

273. In the City Library when a member needs to return a book, the librarian will collect the penalty from the member if the book is returned later than the due date. When this is represented in a use case diagram, what is the relationship between the use cases "Return Book" and "Calculate Penalty"?

**Ans- extend**

Include

Exclude

Generalization

realization

**274. which of the following statements are true with respect to “a query with join operation”?**

**Ans-**

You must refer to all the columns from both tables with ....

**You must refer to the columns that are common to 2 tab...**

**You must have the column common to 2 tables in the....**

You can sort your result by a column which is not p.....

**275. which of these have higher precedence: the AND operator or the NOT operator?**

**Ans-**

AND

**NOT**

Both have equal precedence

None of the above

**276. Which of the following statements is true with respect to given Oracle query**

**Start program**

**Create table AQI\_DELHI\_1 as Select \* from AQI\_DELHI;**

**End program**

**Ans-**

**Table “AQI\_DELHI\_1” is created with same structure as that of “AQI\_DELHI” table – with AQI\_DELHI table’s data**

The query is erroneous

**Table “AQI\_DELHI\_1” is created with same structure as that of “AQI\_DELHI” table – without AQI\_DELHI table’s data**

 277. Which jQuery is syntactically wrong?

Ans-

```
<script>$(document).ready(function(){$("#flow").click(function
$("#box").slideDown("slow");});});</script>
```

 278. what is the syntax for representing the minimum of an element in XMLSchema?

Ans-

```
<xsd:element ref="note" minOccurs="0" />

<xsd:element ref="note" mins="0" />

<xsd:elements ref="note" minOccur="0" />

<xsd:elements ref="note" minOccur="0" />
```

 279. what is a lifeline in a Sequence Diagram?

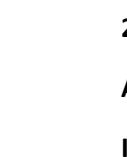
Ans-

Objects's life time

Actor's life time

System's life time

Modelling life time

 280. what is the use of a DTD in XML development?

Ans-

It is required for validating XML documents

For displaying a particular section of XML code

For avoiding name collisions

For giving more control over structure and content of XML document

 281. Consider the given problem statement

You have to input 100 numbers and find the sum of the 100 numbers and display the process of the sum.

Identify which of the given pseudo code snippets would achieve the desired result.

Ans- (pls understand I'm not gonna type all snippets :D) All of the option

ALL OF ABOVE  
options are not given here

**282. Predict the output**

```
import java.util.Map;
import java.util.TreeMap;
public class TestUserMain
{
 public static void main(String args[])
 {
 Map<String, String> m1=new TreeMap<String, String>();
 m1.put(new String ("map"), "IDB1000");
 m1.put("Map", "Idb1001");
 System.out.println(m1);
 }
}
```

Ans- (Map=IDIB1001,map=IDIB1000)

Pappu Career Guide

Arumalla

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Test Taken on: January 31, 2019 02:36:16 PM IST

Finish State: Normal

### Registration Details

**Email** a.jyothi.priyanka@accenture.com**First Name:** Arumalla**Address:**

### Overall Summary

#### MARKS SCORED

	Score	Percentile	Percentage
Section #1	42 / 50	89	84
Total	42 / 50	89	84

Percentile is among 1473 candidate(s) who've taken this test.

#### SUMMARY OF ATTEMPTS

**8 Incorrect  
(Scored 0/8)****42 Correct  
(Scored 42/42)**

#### TIME TAKEN

0	44
hr	min

Available time: 1 hr 20 min

#### TOTAL QUESTIONS

50

## Question-wise Details

### Section #1

**Question 1:**

Time: 21 Sec

Marks: 1/ 1

Which of the following statement(s) is/are TRUE?

- 1) JavaScript is case sensitive
- 2) JavaScript can be placed only in head tag
- 3) JavaScript can be placed both in head tag and body tag
- 4) JavaScript is used for client side validations

Options	Response	Answer
3 and 4 only		
1,3 and 4 only	✓	✓
2,3 and 4 only		
1,2,3 and 4		

**Question 2:**

Time: 17 Sec

Marks: 1/ 1

Refer the Incomplete JavaScript code given below:

```
<script>

var gVar='This is global value';

function aFun(){

 var gVar='Local Data1';

 //Line1

}

</script>

<button onclick='aFun()'>Click</button>
```

Identify the CORRECT option which if placed at Line1 will display the alert message 'This is global value'

Options	Response	Answer
alert(gVar)		
alert(global.gVar)		
alert(document.gVar)		
alert(window.gVar)	✓	✓

**Question 3:**

**Time:** 56 Sec

**Marks:** 1/ 1

What will be the output of the following Java code?

```
public class ApplicationTester {
 public static void main(String[] args){
 int data1=10, data2=10;

 if (data1 > data2){
 System.out.println("1");
 } else {
 System.out.println("2");
 }
 }
}
```

Choose the most appropriate option.

Options	Response	Answer
1		
2	✓	✓
The code will display both 1 and 2		
Compilation error: Invalid use of 'if'		

---

**Question 4:**

Time: 59 Sec

Marks: 0/ 1

What will be the output of the following Java code?

```
class Person {
 public void work() {
 System.out.println("Person Work's");
 }
}

public class Employee extends Person {
 public void work() {
 System.out.println("Employee Work's");
 }
 public static void main(String[] args) {
 Employee employee=new Employee();
 Person p=employee;
 p.work();
 }
}
```

Choose the most appropriate option.

Options	Response	Answer
Employee Work's		✓
Person Work's Employee Work's		
Compilation Error : work method in Employee cannot have same signature as that of it's parent Person		
Person Work's		

---

**Question 5:**

Time: 2 Min 4 Sec

Marks: 0/ 1

What will be the output of the following Java code?

```
public class ApplicationTester {
 public static void main(String[] args) {
 char letterArray[]={'a','A','h','h','m','m'};
 for(int index=0;index<letterArray.length;index++){
 if(letterArray[index] == letterArray[index+1]){
 break;
 }
 System.out.print(index + " ");
 }
 }
}
```

Choose the most appropriate option.

Options	Response	Answer
0 1 2	✓	
0 1		✓
0 1 2 3		
0 1 2 3 4		

---

**Question 6:**

Time: 56 Sec

Marks: 0/ 1

What will be the output of the following Java code?

```
interface A{
 void display(); // Line X
}

class B implements A{
 void display(){ // Line Y
 System.out.println("B");
 }
}

public class Demo{
 public static void main(String[] args) {
 A a=new B(); // Line Z
 a.display();
 }
}
```

Choose the most appropriate option.

Options	Response	Answer
Compilation error at Line Z: Invalid reference type		
B		
Compilation error at Line X: missing 'abstract' keyword		
Compilation error at Line Y: cannot reduce the visibility of the method		✓

**Question 7:**

Time: 7 Sec

Marks: 1/ 1

An end to end testing of application by client users is known as -----

Choose the most appropriate option.

Options	Response	Answer
Acceptance Testing	✓	✓
Unit Testing		
Product Testing		
Performance Testing		

**Question 8:**
**Time: 31 Sec**
**Marks: 1/ 1**

Consider the Java code given below:

```
public class Student{
 //Attributes of Student class
 //getter and setter methods
}
public class ApplicationTester{
 public static void main(String[] args){
 Student stu1=new Student();
 Student stu2=new Student(12345,"Rama");
 Student stu3;
 stu3=stu1;
 }
}
```

With respect to the above code, how many Student objects and references are created in main method?

Choose the most appropriate option.

Options	Response	Answer
3 Objects, 3 References		
3 Objects , 2 References		
2 Objects, 3 References	✓	✓
2 Objects, 2 References		

**Question 9:**
**Time: 25 Sec**
**Marks: 1/ 1**

Which of the following is/are TRUE with respect to method overloading?

- a. Method name should be the same
- b. Return type of the methods should be the same
- c. Number of parameter and sequence of parameter must be different

Choose the most appropriate option.

Options	Response	Answer
Both (b) and (c ) are TRUE		
Only (a) is TRUE		
Both (a) and (b) are TRUE		
Both (a) and (c ) are TRUE	✓	

**Question 10:**

Time: 14 Sec

Marks: 1/ 1

What are the benifits of ADM?

- (1) Project standardization and customization
- (2) Common project management framework

Choose the most appropriate option.

Options	Response	Answer
Both (1) and (2)	✓	✓
Only (1)		
Neither (1) Nor (2)		
Only (2)		

**Question 11:**

Time: 2 Min 21 Sec

Marks: 0/ 1

Assume that table **Event** is created using the below script.

```
CREATE TABLE Event(
 EventId VARCHAR2(5) CONSTRAINT Event_PK PRIMARY KEY,
 EventName VARCHAR2(20) CONSTRAINT Event_NN NOT NULL,
 StageNumber NUMBER(2) DEFAULT 1,
 NumberOfParticipants NUMBER(2));
```

Identify the correct insert statements which can be applied on Event table

- a) INSERT INTO Event VALUES('E1','Dance',NULL,2);
- b) INSERT INTO Event VALUES('E1','Speech',1);
- c) INSERT INTO Event(EventId,EventName) VALUES('E3','Drama');
- d) INSERT INTO Event(EventId,StageNumber,NumberOfParticipants) VALUES('E4',4,7)

Options	Response	Answer
a and c		✓
a and d		
a and b		
b and c	✓	

---

**Question 12:**

Time: 1 Min 53 Sec

Marks: 0/1

Consider the below tables.

Customer(customerId,(customerName) - customerId is primary key

Account(accountId,accountType,balance,accountId) - accountId is primary key and customerId is foreign key

Which is the CORRECT SQL statement to retrieve customerId, customerName, accountId and balance for all customers. It should also display the details of the customers who are not having any account.

Options	Response	Answer
<pre>SELECT c.customerId,c.customerName,a.accountId,a.balance FROM account a RIGHT OUTER JOIN customer c ON c.customerId=a.customerId;</pre>		✓
<pre>SELECT c.customerId,c.customerName,a.accountId,a.balance FROM customer c RIGHT OUTER JOIN account a ON c.customerId=a.customerId;</pre>		✓
<pre>SELECT c.customerId,c.customerName,a.accountId,a.balance FROM customer c INNER JOIN account a ON c.customerId=a.customerId;</pre>		
<pre>SELECT c.customerId,c.customerName,a.accountId,a.balance FROM account a LEFT OUTER JOIN customer c ON c.customerId=a.customerId;</pre>		

**Question 13:**

Time: 33 Sec

Marks: 0 / 1

Consider the following Java code. Identify the relationship between class Employee and class PartTimeEmployee.

```
public class Employee {
 private int empld;
 private String empName;

}

public class PartTimeEmployee extends Employee {
 private float noOfHours;
}
```

Choose the most appropriate option.

Options	Response	Answer
Composition		
Aggregation	✓	
Realization		
Generalization		✓

**Question 14:**

Time: 1 Min 41 Sec

Marks: 1 / 1

Consider the following tables:

**Account**(AccountNumber, AccountOpeningDate, Balance). Here AccountNumber is

the primary key.

**Transaction**(TransactionId, AccountNumber, DateOfTransaction, Amount, TransactionType);

Here TransactionId is the primary key and AccountNumber is the foreign key

referencing AccountNumber in Account table.

Which is the CORRECT query to display AccountNumber and balance of accounts on which NO transaction was done after '31-Dec-2015';

Options	Response	Answer
<pre>SELECT AccountNumber,Balance FROM Account  WHERE AccountNumber NOT IN  (SELECT AccountNumber FROM Transaction);</pre>		
<pre>SELECT AccountNumber,Balance FROM Account  WHERE AccountNumber NOT IN  (SELECT AccountNumber FROM Transaction  WHERE DateOfTransaction = '31-Dec- 2015');</pre>		

```
SELECT AccountNumber,Balance
FROM Account
```

```
WHERE AccountNumber IN
(SELECT AccountNumber FROM
Transaction

WHERE DateOfTransaction > '31-Dec-
2015');
```

```
SELECT AccountNumber,Balance
FROM Account
```

```
WHERE AccountNumber NOT IN
(SELECT AccountNumber FROM
Transaction

WHERE DateOfTransaction > '31-Dec-
2015');
```

**Question 15:**

Time: 1 Min 20 Sec

Marks: 1 / 1

What will be the output of the following Java code?

Policy.java

```
public class Policy {
 private void readPolicy(){
 System.out.println("Policy - readPolicy()");
 }
 public void writePolicy(){
 System.out.println("Policy - writePolicy()");
 }
}
```

MoneyBackPolicy.java

```
public class MoneyBackPolicy extends Policy{
 public void readPolicy(){
 System.out.println("MoneyBackPolicy - readPolicy()");
 }
 public void writePolicy(){
 System.out.println("MoneyBackPolicy - writePolicy()");
 }
}
```

DynamicBindingTester.java

```
public class DynamicBindingTester {
 public static void main(String[] args){
 Policy policy = new MoneyBackPolicy();
 policy.readPolicy();
 }
}
```

Choose the most appropriate option.

Options	Response	Answer
MoneyBackPolicy - readPolicy()		
Compilation error: The method readPolicy() from the type Policy is not visible	✓	✓
There is no error in the code, but the code will not display any output.		
Policy - readPolicy()		

**Question 16:**

Time: 31 Sec

Marks: 1 / 1

What will be the output of the following Java code?

```
package x;
public class Student{
 void display(){ // Line 1
 System.out.println("Hello");
 }
}

package y;
import x.Student; // Line 2

public class TestFinalClass {
 public static void main(String[] args) {
 Student s = new Student();
 s.display(); // Line 3
 }
}
```

Choose the most appropriate option.

Options	Response	Answer
The code will print Hello		
Compilation error at Line 2 : Cannot import class Student from package x		
Compilation error at Line 3 : The method display from type Student is not visible	✓	✓
Compilation error at Line 1 : No access specifier defined for method display		

**Question 17:**

Time: 12 Sec

Marks: 1 / 1

Refer the JavaScript code given below.

```
<html>

<head>

<script>

function aFun(){

var num1=111;

var num2="111";

alert(num1==num2) //Line1

alert(num1==num2) //Line2

}

</script>

</head>

<button onclick='aFun()'>Click</button>

</html>
```

When the above code is executed, what will be the output produced by Line1 and Line2?

Options	Response	Answer
Output from Line1: true, Output from Line2: true		
Output from Line1: false, Output from Line2: true		
JavaScript will show a compilation error as "===" is not defined		
Output from Line1: true, Output from Line2: false	✓	✓

**Question 18:**

Time: 2 Min 19 Sec

Marks: 1/ 1

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Assume that table **Customer** has some records as shown below.

CUSTOMERID	ACCOUNTNUMBER	BALANCE
1	100	2000
2	100	500
3	101	2500
4	101	1000

Identify the CORRECT SQL statement to display the output as shown below.

CUSTOMERID	ACCOUNTNUMBER	BALANCE
4	101	1000
3	101	2500
2	100	500
1	100	1000

Options	Response	Answer
select * from customer order by balance;		
select * from customer order by accountnumber, balance ;		
select * from customer order by accountnumber desc,balance desc;		
select * from customer order by accountnumber desc,balance;	✓	✓

**Question 19:**

Time: 31 Sec

Marks: 1/ 1

Assume that table **Player** has the following records.

PlayerId	Salary	PlayerAverage
P1	25000	75.5
P2	20000	70
P3	22000	70.5

How many row(s) will be deleted after executing the SQL statement given below?

DELETE FROM Player WHERE Salary>20000 OR PlayerAverage<=70;

Options	Response	Answer
0		
3	✓	✓
1		
2		

**Question 20:**

Time: 16 Sec

Marks: 1/ 1

Assume that table **Employee** has following records.

Empld	JobBand	DeptId
1001	A	10
1002	B	30
1003	A	20
1004	A	10

Which is the CORRECT SQL statement to display the output as show below.

JobBand	DeptId
A	10
A	20
B	30

Options	Response	Answer
SELECT DISTINCT jobBand,DeptId from Employee;	✓	✓
SELECT DISTINCT jobBand,DISTINCT DeptId from Employee;		
SELECT DISTINCT jobBand,DeptId from Employee WHERE jobBand='A' AND jobBand='B';		
SELECT DISTINCT jobBand,DISTINCT DeptId from Employee WHERE jobBand='A' AND jobBand='B';		

### Question 21:

Time: 27 Sec

Marks: 1 / 1

Which of the following code inserted in Line #3 prints the below output?

3 6 9 12 15 18

1. public class ForLoopTester {
2.     public static void main(String[] args) {
3.         // Code to be inserted
4.     }
5. }

Choose the most appropriate option.

Options	Response	Answer
<pre>for(int number = 3; number &lt; 20; number++){     System.out.print(number + " "); }</pre>		
<pre>for(int number = 0; number &lt; 20; number+3){     System.out.print(number + " "); }</pre>		
<pre>for(int number = 3; number &lt; 20; number+=3){     System.out.print(number + " "); }</pre>	✓	✓
<pre>for(int number = 0; number &lt; 20; number+=3){     System.out.print(number + " "); }</pre>		

### Question 22:

Time: 57 Sec

Marks: 1/ 1

What will be the output of the following Java code?

```
public class StringTester{
 public static void main(String[] args) {
 String s1=new String("Accenture");
 String s2=new String("India Limited");
 s1.concat(s2);
 System.out.println(s1);
 }
}
```

Choose the most appropriate option.

Options	Response	Answer
Accenture	✓	✓
Accenture India Limited		
India Limited		
Accenture India		

**Question 23:**
**Time: 23 Sec**
**Marks: 1/ 1**

Refer the class declarations given below:

class A{ }

class B extends A{ }

class C extends B{ }

class D extends C{ }

Identify the INCORRECT statement.

Choose the most appropriate option.

Options	Response	Answer
A a = new D();		
C c=new B();	✓	✓
B b=new D();		
C c=new C();		

**Question 24:**
**Time: 15 Sec**
**Marks: 1/ 1**

Which of the following actions should be performed to ensure cyber safety at a user level?

- (i) Automatic downloads from the websites should be enabled
- (ii) Automatic security updates should be installed
- (iii) Firewall should be turned off if the system has the latest security update

Choose the most appropriate option

Options	Response	Answer
Both (i) and (iii)		
Both (i) and (ii)		
Both (ii) and (iii)		
Only (ii)	✓	
Only (iii)		

**Question 25:**

Time: 29 Sec

Marks: 1/ 1

Consider the Java code given below.

```
public class DemoArray {
 public static void main(String args[]){
 int array[]={2,4,6,8};
 int sum=0;
 //insert here
 System.out.println(sum);
 }
}
```

Which of the following line inserted independently in the above code will result in sum of array elements?

Choose the most appropriate option.

Options	Response	Answer
sum=array[0]+array[1]+array[2]+array[3] ]+array[4];		
sum=array[1]+array[2]+array[3]+array[4] ];		
for(int i=0;i<array.length;i++) { sum=sum+array[i]; }	✓	✓
for(int i=1;i<array.length;i++) { sum=sum+array[i]; }		

**Question 26:**

Time: 17 Sec

Marks: 1 / 1

Refer the HTML code given below.

```
<html>
<body>
<table border="1">
<tr><th>A</th> <th colspan="2">B</th>
<tr> <th rowspan="3">C</th> <th>D</th> <th>E</th> </tr>
<tr> <th>A</th> <th rowspan="2">B</th></tr>
<tr> <th>D</th>
</table>
</body>
</html>
```

How many cells will be displayed when the page is displayed on the browser?

Options	Response	Answer
8	✓	✓
7		
10		
9		

**Question 27:**
**Time: 14 Sec**
**Marks: 1/ 1**

Performance feedback allows which of the following actions?

- (1) To take action to improve your skills and performance so you are effective in your current and future roles
- (2) To have your say about how you think your colleagues are performing

Choose the most appropriate option.

Options	Response	Answer
Only (2)		
Only (1)	✓	✓
Both (1) and (2)		
Neither (1) Nor (2)		

**Question 28:**
**Time: 21 Sec**
**Marks: 1/ 1**

Which of the following statement(s) are FALSE regarding Java Architecture?

- (i) Byte code or .class file is platform independent
- (ii) JVM is platform independent

Choose the most appropriate option.

Options	Response	Answer
Only (i) is FALSE		
Both (i) and (ii) are FALSE		
Only (ii) is FALSE	✓	✓
Both (i) and (ii) are TRUE		

**Question 29:**

Time: 34 Sec

Marks: 1/ 1

In HTML, Which is the CORRECT code to display a hyper link "Click"?

[Note: While clicking on "Click" it should direct to accenture portal]

Options	Response	Answer
<a ref="https://portal.accenture.com"> Click </a>		
<a href="https://portal.accenture.com", Click </a>		
<a href="https://portal.accenture.com"> Click </a>	✓	✓
<a href="Click"> https://portal.accenture.com </a>		

### Question 30:

Time: 1 Min 2 Sec

Marks: 1 / 1

Consider the table Project(projectId, projectType,budget).

Which is the CORRECT SQL statement to retrieve the projectType(s) which has more than 10 projects?

Options	Response	Answer
SELECT projectType FROM project  WHERE COUNT(projectId)>10  GROUP BY projectId;		
SELECT projectType FROM project  GROUP BY projectType  HAVING COUNT(projectId)>10;	✓	✓
SELECT projectType FROM project  WHERE COUNT(projectId)>10  GROUP BY projectType;		
SELECT projectType FROM project  GROUP BY projectId  HAVING COUNT(projectId)>10;		

**Question 31:**

Time: 25 Sec

Marks: 1 / 1

Consider table Employee(EmployeeId, EmployeeName, DeptCode) .

Which is the CORRECT SQL query to display the EmployeeId and EmployeeName of employees who are working in DeptCode 10 OR 20?

- (i) SELECT EmployeeId,EmployeeName FROM Employee WHERE DeptCode IN (10,20);
- (ii) SELECT EmployeeId,EmployeeName FROM Employee WHERE DeptCode = 10 OR DeptCode = 20;

Options	Response	Answer
Both (i) and (ii)	✓	✓
Neither (i) nor (ii)		
Only (i)		
Only (ii)		

**Question 32:**

Time: 2 Min 23 Sec

Marks: 1 / 1

Consider the below tables.

Publisher(PublisherCode, PublisherName, Address, Email). Here PublisherCode is the primary key;

Book (ISBN, Title, Author, Price, PublisherCode). Here ISBN is the Primary Key and PublisherCode is the foreign key referencing the PublisherCode in Publisher table.

Which is the CORRECT SQL query to display ISBN, Title, Author, PublisherCode and PublisherName for all the books.

Options	Response	Answer
<pre>SELECT Book.ISBN, Book.Title, Book.Author, Book.PublisherCode, Publisher.PublisherName</pre>	✓	✓
<pre>FROM Book INNER JOIN Publisher</pre>		
<pre>ON Book.PublisherCode = Publisher.PublisherCode;</pre>		
<pre>SELECT ISBN,Title,Author,PublisherCode,Publis herName</pre>		
<pre>FROM Book INNER JOIN Publisher</pre>		
<pre>ON PublisherCode = PublisherCode;</pre>		
<pre>SELECT Book.ISBN, Book.Title, Book.Author, Book.PublisherCode, Publisher.PublisherName</pre>		
<pre>FROM Book,Publisher;</pre>		
<pre>SELECT Book.ISBN, Book.Title, Book.Author, Book.PublisherCode, Publisher.PublisherName</pre>		
<pre>FROM Book SELF JOIN Publisher</pre>		
<pre>ON Book.PublisherCode = Publisher.PublisherCode;</pre>		

**Question 33:**

**Time:** 3 Min 26 Sec

**Marks:** 0/ 1

Refer the code given below:

```
Employee emp = new Employee();
Employee emp1 = new Employee();
Employee emp2 = emp;
Employee emp3;
emp=null;
emp3=emp;
//Line1
```

Assume that class Employee is a valid Java class.

How many objects are eligible for garbage collection at Line1?

Choose the most appropriate option.

Options	Response	Answer
2		
1	✓	
3		
0		✓

**Question 34:**

Time: 42 Sec

Marks: 1/ 1

There is a requirement to create a web page with a text box. The page should be loaded with a value "Hello" in the text box.

Which is the CORRECT html code to meet the above requirement?

Options	Response	Answer
<pre>&lt;html&gt; &lt;input type="text" id="Hello"/&gt; &lt;/html&gt;</pre>		
<pre>&lt;html&gt; &lt;input type="text" name="Hello"/&gt; &lt;/html&gt;</pre>		
<pre>&lt;html&gt; &lt;input type="text" onLoad="Hello"/&gt; &lt;/html&gt;</pre>		
<pre>&lt;html&gt; &lt;input type="text" value="Hello"/&gt; &lt;/html&gt;</pre>	✓	✓

**Question 35:**

Time: 39 Sec

Marks: 1/ 1

Assume that Table Customer is created in database using the create statement given below.

```
CREATE TABLE Customer(
CustomerId NUMBER(5) CONSTRAINT cust_pk PRIMARY KEY,
CustomerName VARCHAR2(20) CONSTRAINT cust_nn NOT NULL);
```

Choose the appropriate ALTER statement to drop primary key constraint of table Customer.

Options	Response	Answer
ALTER TABLE Customer DROP cust_pk;		
ALTER TABLE Customer DROP CONSTRAINT cust_pk;	✓	✓
ALTER TABLE Customer DROP PRIMARY KEY CONSTRAINT;		
ALTER TABLE Customer DROP PRIMARY KEY CONSTRAINT cust_pk;		

### Question 36:

Time: 23 Sec

Marks: 1/ 1

Which of the following statement/s is/are TRUE with respect to Agile?

- (1) Focuses on an iterative, incremental, and flexible approach to software development
- (2) Development of software takes place in sequential phases

Choose the most appropriate option

Options	Response	Answer
Both (1) and (2) are FALSE		
Only (1) is TRUE	✓	✓
Only (2) is TRUE		
Both (1) and (2) are TRUE		

### Question 37:

Time: 9 Sec

Marks: 1/ 1

What will be the output of the following Java code?

```
1 public abstract class Bank {
2 protected double amount;
3
4 public Bank() {
5 this.amount = 1000.0;
6 }
7 public abstract void createAccount();
8 public double getAmount() {
9 return this.amount;
10 }
11 }
12
13 public class MyBank extends Bank{
14 public MyBank() {
15 this.amount = 2000.0;
16 }
17 public void createAccount(){
18 System.out.println("Account created");
19 }
20 }
21
22 public class ApplicationTester {
23 public static void main(String[] args){
24 Bank b = new MyBank();
25 b.createAccount();
26 System.out.println(b.getAmount());
27 }
28 }
29
```

Options	Response	Answer
Account created		
1000.0		
Compilation error at Line 4: Cannot have constructor in abstract class 'Bank'		
Compilation error at Line 24: Cannot have a reference of type 'Bank'		
Account created	✓	✓
2000.0		

### Question 38:

Time: 30 Sec

Marks: 1 / 1

Assume that below code is present in the head tag of a HTML page.

```
<style>
.myclass{
 background-color: lightgrey;
 color:blue;
}
</style>
```

Which is the CORRECT way of using this style?

Options	Response	Answer
<h1 id="myclass">Welcome to My Homepage</h1>		
<h1 style="myclass">Welcome to My Homepage</h1>		
<h1 class="myclass">Welcome to My Homepage</h1>	✓	✓
<h1 class=".myclass">Welcome to My Homepage</h1>		

Consider table **Project**(projectId, projectType, budget).

Which is the CORRECT SQL statement to display projectId, projectType and budget of project which is having minimum budget in each project type?

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Options	Response	Answer
<pre>SELECT p1.projectId, p1.projectType,p1.budget FROM project p1  WHERE p1.budget IN( SELECT MIN(p2.budget) FROM project p2  WHERE p1.projectType=p2.projectType);</pre>	✓	✓
<pre>SELECT p1.projectId, p1.projectType,p1.budget FROM project p1  WHERE p1.budget IN( SELECT MIN(p2.budget) FROM project p2);</pre>		
<pre>SELECT p1.projectId, p1.projectType,p1.budget FROM project p1  WHERE MIN(p1.budget)IN( SELECT MIN(p2.budget) FROM project p2  WHERE p1.projectType=p2.projectType);</pre>		
<pre>SELECT p1.projectId, p1.projectType,p1.budget FROM project p1  WHERE p1.budget IN( SELECT MIN(p2.budget) FROM project p2  WHERE p1.budget=p2.budget);</pre>		

What will be the output of the following Java code?

MyInterface1.java

```
public interface MyInterface1 {
 public void method1();
}
```

MyInterface2.java

```
public interface MyInterface2 {
 void method2();
}
```

MyClass.java

```
public class MyClass implements MyInterface1, MyInterface2{
 public void method1(){
 System.out.print ("1 ");
 }
 void method2(){
 System.out.print ("2");
 }
}
```

InterfaceTester.java

```
public class InterfaceTester {
 public static void main(String[] args){
 MyClass reference = new MyClass();
 reference.method1();
 reference.method2();
 }
}
```

Choose the most appropriate option.

Options	Response	Answer
Compilation error: MyClass cannot implement more than one interface		
Compilation error: method2 in MyInterface2 must be defined with public access specifier	✓	
Compilation error: Cannot reduce the visibility of the inherited method from MyInterface2		✓
1 2		

**Question 41:**

Time: 28 Sec

Marks: 1/ 1

What will be the output of the following Java code?

```
public class ApplicationTester {
 public static void main(String[] args) {
 switch(10/2){
 default: System.out.print (" Action ");
 case 2 : System.out.print (" Cut ");
 break;
 case 10 : System.out.print (" Start ");
 }
 }
}
```

Choose the most appropriate option.

Options	Response	Answer
Action Cut Start		
Action Cut	✓	✓
Start		
Action		

**Question 42:**

Time: 6 Sec

Marks: 1/ 1

Which among the following are DevOps Principle?

- (i) Automate Everything
- (ii) Test early and often
- (iii) Strong source control

Choose the most appropriate option.

Options	Response	Answer
Only (i) and (ii)		
Only (i) and (iii)		
Only (ii) and (iii)		
All (i), (ii) and (iii)	✓	✓

#### Question 43:

Time: 19 Sec

Marks: 1/ 1

Which of the following statement/s is/are TRUE with respect to Community Cloud?

- (1) Exclusively owned and operated by a single organization
- (2) Available for use by a shared community consisting of several organizations

Choose the most appropriate option.

Options	Response	Answer
Neither (1) Nor (2)		
Only (1)		
Both (1) and (2)		
Only (2)	✓	✓

#### Question 44:

Time: 24 Sec

Marks: 1/ 1

What will be the output of the following Java code?

```
public class ApplicationTester {
 public static void main(String[] args){
 int data = 20;
 switch(data){
 case 20:
 System.out.print(" Twenty ");
 case 10:
 System.out.print(" Ten ");
 case 0:
 System.out.print(" Zero ");
 }
 }
}
```

Choose the most appropriate option.

Options	Response	Answer
Program will display “Twenty Ten Zero”	✓	✓
Program will display “Twenty”		
Program will display “Twenty Ten”		
Program will display “Ten Zero”		

**Question 45:**

Time: 43 Sec

Marks: 1/ 1

What will be the output of the following Java code?

```
1 package mypackage1;
2
3 public class Parent {
4 public Parent(){
5 System.out.print(" 1 ");
6 }
7 }
8
9 package mypackage1;
10
11 public class Child extends Parent{
12 protected Child(){
13 System.out.println(" 2 ");
14 }
15 }
16
17 package mypackage2;
18
19 public class ApplicationTester{
20 public static void main(String[] args){
21 mypackage1.Child child = new mypackage1.Child();
22 }
23 }
24
```

Options	Response	Answer
1 2		
2 1		
Compilation error at Line 12: Invalid access specifier 'protected' for the constructor 'Child()'		
Compilation error at Line 21: The constructor Child() is not visible	✓	✓

**Question 46:**

Time: 1 Min 50 Sec

Marks: 1/ 1

What will be the output of the following Java code?

```
public class StaticTester{
 private static int count;
 public static void main(String[] args) {
 count++;
 new StaticTester().count++;
 StaticTester.count--;
 StaticTester s = new StaticTester();
 s.count = s.count + 5;
 StaticTester staticTester = new StaticTester();
 System.out.println("Count is " +staticTester.count);
 }
}
```

Choose the most appropriate option.

Options	Response	Answer
Count is 1		
Count is 6	✓	✓
Count is 0		
Count is 5		

**Question 47:**

Time: 59 Sec

Marks: 1/ 1

Assume that table **Customer** has the following records.

Cid	Cname
10	James
11	Jack
12	HARY
13	MARK

Identify the CORRECT SQL statement to display the output as follows.

Cname
James
Jack

Options	Response	Answer
SELECT cname FROM customer WHERE cname LIKE '_a%' OR cname LIKE '%k';	✓	✓
SELECT cname FROM customer WHERE cname = '_a%' AND cname ='%k';		
SELECT cname FROM customer WHERE cname LIKE '_a%' AND cname LIKE '%k';		
SELECT cname FROM customer WHERE cname = '_a%' OR cname ='%k';		

**Question 48:**

Time: 13 Sec

Marks: 1 / 1

Arrange the following stages of Project Lifecycle according to SDLC.

- (1) Planning
- (2) Initiation
- (3) Closing
- (4) Execution

Choose the most appropriate option.

Options	Response	Answer
(1) - (2) - (4) - (3)		
(2) - (1) - (4) - (3)	✓	✓
(1) - (2) - (3) - (4)		
(2) - (1) - (3) - (4)		

**Question 49:**

Time: 2 Min 15 Sec

Marks: 1 / 1

What will be the output of the following Java code?

Vehicle.java

```
public class Vehicle {
 private float enginePower;

 public Vehicle(float enginePower){
 this.enginePower = enginePower;
 }
 public float getEnginePower(){
 return enginePower;
 }
}
```

FourWheeler.java

```
public class FourWheeler extends Vehicle{
 private String type;
 public FourWheeler(){
 this.type = "LMV";
 }
 public FourWheeler(String type, float enginePower){
 this.type = type;
 }
 public String getType(){
 return type;
 }
}
```

InheritanceTester.java

```
public class InheritanceTester {
 public static void main(String[] args){
 FourWheeler vehicle = new FourWheeler("HMV", 3.5F);
 System.out.println(vehicle.getType() + " " + vehicle.getEnginePower());
 }
}
```

Choose the most appropriate option.

Options	Response	Answer
LMV 0.0		
Error in the code: Implicit super constructor Vehicle() is undefined. Must explicitly invoke another constructor	✓	✓
null 3.5		
HMV 3.5		

**Question 50:**
**Time: 16 Sec**
**Marks: 1/ 1**

Assume that my\_style.css is an existing and a valid css file. Which is the CORRECT way to refer this external style sheet?

Options	Response	Answer
<style rel="stylesheet" type="text/css" href= "my_style.css" />		
<stylesheet type="text/css" href= "my_style.css" />		
<link rel="stylesheet" type="text/css" href= "my_style.css" />		✓
<link> href= "my_style.css" </link>		

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Test Taken on: February 28, 2019 03:05:43 PM IST

Finish State: Normal

### Registration Details

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### Overall Summary

#### MARKS SCORED

	Score	Percentile	Percentage
Section #1	30 / 50	24	60
Total	30 / 50	24	60

Percentile is among 2152 candidate(s) who've taken this test.

#### SUMMARY OF ATTEMPTS

20 Incorrect  
(Scored 0/20)30 Correct  
(Scored 30/30)

#### TIME TAKEN

0	53
hr	min

Available time: 1 hr 20 min

#### TOTAL QUESTIONS

50

## Question-wise Details

### Section #1

#### Question 1:

Time: 1 Min 33 Sec

Marks: 1 / 1

What will be the output of the following Java code?

Policy.java

```
public class Policy {
 private void readPolicy(){
 System.out.println("Policy - readPolicy()");
 }
 public void writePolicy(){
 System.out.println("Policy - writePolicy()");
 }
}
```

MoneyBackPolicy.java

```
public class MoneyBackPolicy extends Policy{
 public void readPolicy(){
 System.out.println("MoneyBackPolicy - readPolicy()");
 }
 public void writePolicy(){
 System.out.println("MoneyBackPolicy - writePolicy()");
 }
}
```

DynamicBindingTester.java

```
public class DynamicBindingTester {
 public static void main(String[] args){
 Policy policy = new MoneyBackPolicy();
 policy.readPolicy();
 }
}
```

Choose the most appropriate option.

Options	Response	Answer
There is no error in the code, but the code will not display any output.		
Compilation error: The method readPolicy() from the type Policy is not visible	✓	✓
Policy - readPolicy()		
MoneyBackPolicy - readPolicy()		

### Question 2:

Time: 39 Sec

Marks: 1/ 1

Consider the Java code given below. When the code is executed, how many times "1" will be printed?

```
public class Tester{
 public static void main(String[] args){
 for(int i=0; i < 5; i++){
 if(i > 2){
 continue;
 }
 System.out.print(" 1 ");
 }
 }
}
```

Choose the most appropriate option.

Options	Response	Answer
5 times		
6 times		
3 times	✓	✓
2 times		

### Question 3:

Time: 3 Min 49 Sec

Marks: 1/ 1

Refer the code given below:

```
public class Vehicle {
 private int vehicleId;
 private String vehicleName;
 public Vehicle(int vehicleId, String vehicleName) {
 this.vehicleId = vehicleId;
 this.vehicleName = vehicleName;
 }
 // Assume Getters and Setters are coded
}

public class Car extends Vehicle {
 private String carModel;
 private double average;
 //Line1
 // Assume getters and Setters are already coded...
}
```

Choose a valid Constructor implementation to be inserted at Line1 to make the above code compile successfully

Choose the most appropriate option.

Options	Response	Answer
<pre>public Car(int vehicleId, String vehicleName, String carModel,double average) {     //Java code to initialize carModel and     average     super(vehicleId, vehicleName); }</pre>		
<pre>public Car(int vehicleId, String vehicleName, String carModel,double average) {     this.carModel = carModel;     this.average = average; }</pre>		
<pre>public Car(int vehicleId, String vehicleName, String carModel,double average) {     super(vehicleId, vehicleName);     //Java code to initialize carModel and     average }</pre>	✓	
<pre>public void Car(int vehicleId, String vehicleName, String carModel,double average) {     super(vehicleId, vehicleName);     //Java code to initialize carModel and     average }</pre>		

**Question 4:**

**Time:** 41 Sec

**Marks:** 1 / 1

What will be the output of the following Java code?

```
class Employee {
 public Employee() {
 System.out.println("From Constructor of Employee");
 }
}

public class Tester {
 public static void main(String[] args) {
 Employee[] employee = new Employee[5];
 employee[0] = new Employee(); //Line2
 }
}
```

Choose the most appropriate option.

Options	Response	Answer
Compilation error at Line2: Invalid assignment operation		
Prints the "From Constructor of Employee" 1 times	✓	✓
Prints the "From Constructor of Employee" 5 times		
Prints the "From Constructor of Employee" 6 times		

**Question 5:**

Time: 1 Min 16 Sec

Marks: 1/ 1

Refer the code given below:

```
class Employee{

 public void printDetails(){

 Printer printer = new Printer();

 printer.print("Test Print");

 }
}
```

```
class Printer{

 public void print(String str){

 System.out.println("Priting Details: "+str);

 }
}
```

Choose from below a valid option that represents the relationship in between the classes Employee and Printer

Choose the most appropriate option.

Options	Response	Answer
Generalization		
Composition		
Specialization		
Aggregation	✓	✓

**Question 6:**

Time: 14 Sec

Marks: 1 / 1

Which of the following statement(s) is/are TRUE?

- 1) GET method is the default form submission method
- 2) Check box is a multi select control

Options	Response	Answer
Both 1 and 2	✓	✓
Neither 1 nor 2		
Only 1		
Only 2		

**Question 7:**

Time: 40 Sec

Marks: 0 / 1

Consider the below tables.

Actor(actorId,actorName) - actorId is primary key

Event(eventId,eventName) - eventId is primary key

Registration(registrationId,actorId,eventId) - actorId and eventId are foreign keys

Which is the CORRECT SQL statement to retrieve actorId, actorName and eventId for all actors who has registered for an event. If any actor is not registered for any event, still the actor details should be displayed.

Options	Response	Answer
<pre>SELECT a.actorId,a.actorName,r.eventId  FROM Actor a LEFT OUTER JOIN Registration r  ON a.actorid=r.actorid;</pre>		✓
<pre>SELECT a.actorId,a.actorName,r.eventId  FROM Actor a CROSS JOIN Registration r  ON a.actorid=r.actorid;</pre>		
<pre>SELECT a.actorId,a.actorName,r.eventId  FROM Actor a RIGHT OUTER JOIN Registration r  ON a.actorid=r.actorid;</pre>		
<pre>SELECT a.actorId,a.actorName,r.eventId  FROM Actor a INNER JOIN Registration r  ON a.actorid=r.actorid;</pre>		

**Question 8:**

Time: 49 Sec

Marks: 0 / 1

Consider the table Student(StudentId, StudentName, Email, PercentageOfMarks).

Which is the CORRECT query to display the details in the decreasing order (highest to lowest) of PercentageOfMarks and in the alphabetical order (A-Z) of StudentName in case PercentageOfMarks is the same.

Options	Response	Answer
<pre>SELECT StudentId, StudentName, Email, PercentageOfmarks</pre>		
<pre>FROM Student ORDER BY StudentName, PercentageOfMarks DESC;</pre>		
<pre>SELECT StudentId, StudentName, Email, PercentageOfmarks</pre>		✓
<pre>FROM Student ORDER BY PercentageOfMarks DESC, StudentName;</pre>		
<pre>SELECT StudentId, StudentName, Email, PercentageOfmarks</pre>		
<pre>FROM Student ORDER BY PercentageOfMarks, StudentName;</pre>		
<pre>SELECT StudentId, StudentName, Email, PercentageOfMarks</pre>		
<pre>FROM Student ORDER BY PercentageOfMarks DESC, StudentName DESC;</pre>		

**Question 9:**

**Time:** 46 Sec

**Marks:** 1 / 1

Which is the correct CSS code to display the text "Accenture" in light grey back ground?

Options	Response	Answer
<h2 background-color:lightgrey>Accenture</h2>		
<h2 style="background-color:lightgrey">Accenture</h2>		
<h2 style="background-color:lightgrey">Accenture</h2>	✓	✓
<h2 style="background-color:lightgrey">Accenture</h2>		

---

**Question 10:**

Time: 2 Min 35 Sec

Marks: 0/ 1

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Consider the following CREATE TABLE STATEMENT which successfully creates the table Student. Assume that University table already exists with University Codes 'VTU', 'STU', and 'CMU'.

CREATE TABLE Student (StudentId Number(5) CONSTRAINT Student\_PKey PRIMARY KEY,

Name Varchar2(30) CONSTRAINT Student\_Null NOT NULL,

Email Varchar2(30) CONSTRAINT Student\_Unique UNIQUE,

UniversityCode Varchar2(10)

CONSTRAINT Student\_Fkey REFERENCES University(UniversityCode));

Currently student table contains only one row as shown below.

(1001,'Jack','jack@gmail.com','STU');

Which of the following INSERT statement would successfully insert the row into "Student" table?

Options	Response	Answer
INSERT INTO Student VALUES(1005,'Joe','joe@gmail.com','N IT');	✓	
INSERT INTO Student VALUES(1001,'James','james@gmail.c om','CMU');		
INSERT INTO Student VALUES(1003,'Mary','jack@gmail.com' , 'vtu');		
INSERT INTO Student VALUES(1003,'Scott','scott@gmail.co m','VTU');		✓

**Question 11:**

Time: 34 Sec

Marks: 1 / 1

Assume that table **Event** is having the following records. Identify the correct query to retrieve all event records which has got a stage number.

EVENTID	EVENTNAME	STAGENUMBER
E1	Drama	
E2	Dance	2
E3	Speech	1

Options	Response	Answer
SELECT * FROM Event WHERE StageNumber IS NOT EQUAL TO NULL;		
SELECT * FROM Event WHERE StageNumber <> NULL		
SELECT * FROM Event WHERE StageNumber IS NOT NULL		✓
SELECT * FROM Event WHERE StageNumber != NULL		

**Question 12:**

Time: 1 Min 9 Sec

Marks: 1 / 1

What will be the output of the following Java code?

```
1 public abstract class Bank {
2 protected double amount;
3
4 public Bank() {
5 this.amount = 1000.0;
6 }
7 public abstract void createAccount();
8 public double getAmount() {
9 return this.amount;
10 }
11 }
12
13 public class MyBank extends Bank{
14 public MyBank() {
15 this.amount = 2000.0;
16 }
17 public void createAccount(){
18 System.out.println("Account created");
19 }
20 }
21
22 public class ApplicationTester {
23 public static void main(String[] args){
24 Bank b = new MyBank();
25 b.createAccount();
26 System.out.println(b.getAmount());
27 }
28 }
29
```

Options	Response	Answer
Account created		
1000.0		
Compilation error at Line 24: Cannot have a reference of type 'Bank'		
Account created	✓	✓
2000.0		
Compilation error at Line 4: Cannot have constructor in abstract class 'Bank'		

**Question 13:**

Time: 2 Min 24 Sec

Marks: 1 / 1

Consider the table Project(projectId, projectType,budget).

Which is the CORRECT SQL statement to retrieve the count of projects which is of type 'FIN' or' SALE'? It should count for 'FIN' and 'SALE' separately.

Options	Response	Answer
<pre>SELECT projectType,COUNT(projectId)  FROM project  WHERE projectType IN('FIN','SALE')  GROUP BY projectType;</pre>	✓	✓
<pre>SELECT projectType,COUNT(projectId)  FROM project  WHERE projectType IN('FIN','SALE')  GROUP BY projectId;</pre>		
<pre>SELECT projectType,COUNT(projectId)  FROM project  WHERE projectType IN('FIN','SALE');</pre>		
<pre>SELECT projectType,COUNT(projectId)  FROM project  GROUP BY projectId  HAVING projectType IN('FIN','SALE');</pre>		

**Question 14:**

Time: 1 Min 0 Sec

Marks: 0/ 1

What will be the output of the following Java code?

```
class Person {
 public void work() {
 System.out.println("Person Work's");
 }
}

public class Employee extends Person {
 public void work() {
 System.out.println("Employee Work's");
 }
 public static void main(String[] args) {
 Employee employee=new Employee();
 Person p=employee;
 p.work();
 }
}
```

Choose the most appropriate option.

Options	Response	Answer
Employee Work's		✓
Person Work's Employee Work's		
Compilation Error : work method in Employee cannot have same signature as that of it's parent Person		
Person Work's	✓	

**Question 15:**

Time: 32 Sec

Marks: 1/ 1

Which testing technique tests the functionality of the application without looking at the internal structure of the code?

- i. Black Box Testing
- ii. Assembly Testing
- iii. Product Testing
- iv. White Box Testing

Choose the most appropriate option.

Options	Response	Answer
Product Testing		
White Box Testing		
Black Box Testing	✓	✓
Assembly Testing		

**Question 16:**
**Time: 42 Sec**
**Marks: 1/ 1**

Which of the following statement(s) are FALSE regarding Java Architecture?

- (i) Byte code or .class file is platform independent
- (ii) JVM is platform independent

Choose the most appropriate option.

Options	Response	Answer
Only (ii) is FALSE	✓	✓
Both (i) and (ii) are FALSE		
Only (i) is FALSE		
Both (i) and (ii) are TRUE		

**Question 17:**
**Time: 49 Sec**
**Marks: 1/ 1**

Assume that table **Player** has following records.

PlayerId	Salary	PlayerAverage
P1	25000	75.5
P2	20000	70
P3	22000	70.5

How many row(s) will be deleted after executing the SQL statement given below?

DELETE FROM Player WHERE Salary>=20000 AND PlayerAverage<70;

Options	Response	Answer
1		
ERROR: No matching record in Player table.		
0		✓
2		

**Question 18:**

**Time:** 2 Min 29 Sec

**Marks:** 1 / 1

Consider the below tables are created and has some records.

Account(accountId,balance) - account id is primary key

Transaction(transactionId,accountId,transactionType,amount) - AccountId is foreign key referring to accountId of account table

Assume that Transaction table has records for more than one accountId. Which is the CORRECT SQL statement to retrieve all accountId(s) for which there is no transactions are recorded?

Options	Response	Answer
SELECT accountId FROM account WHERE accountId NOT IN(	✓	✓
SELECT accountId FROM transaction);		
SELECT accountId FROM account WHERE accountId IN(		
SELECT accountId FROM transaction);		
SELECT accountId FROM account WHERE accountId NOT IN(		
SELECT * FROM transaction);		
SELECT accountId FROM account WHERE accountId !=		
(SELECT accountId FROM transaction);		

**Question 19:**

Time: 28 Sec

Marks: 1/ 1

Consider the table **Employee(empld,empName,jobBand)**.

Which is the CORRECT SQL statement to retrieve all unique jobBand from Employee table ?

Options	Response	Answer
SELECT DISTINCT jobBand,empld from Employee;		
SELECT jobBand DISTINCT from Employee;		
SELECT jobBand from Employee DISTINCT;		
SELECT DISTINCT jobBand from Employee;	✓	✓

**Question 20:**

Time: 1 Min 36 Sec

Marks: 0/ 1

What will be the output of the following Java code?

Vehicle.java

```
public class Vehicle {
 private float enginePower;

 public Vehicle(float enginePower){
 this.enginePower = enginePower;
 }
 public float getEnginePower(){
 return enginePower;
 }
}
```

FourWheeler.java

```
public class FourWheeler extends Vehicle{
 private String type;
 public FourWheeler(){
 this.type = "LMV";
 }
 public FourWheeler(String type, float enginePower){
 this.type = type;
 }
 public String getType(){
 return type;
 }
}
```

InheritanceTester.java

```
public class InheritanceTester {
 public static void main(String[] args){
 FourWheeler vehicle = new FourWheeler("HMV", 3.5F);
 System.out.println(vehicle.getType() + " " + vehicle.getEnginePower());
 }
}
```

Choose the most appropriate option.

Options	Response	Answer
null 3.5		
Error in the code: Implicit super constructor Vehicle() is undefined. Must explicitly invoke another constructor		✓
LMV 0.0		
HMV 3.5	✓	

**Question 21:**
**Time:** 1 Min 11 Sec

**Marks:** 0/ 1

Consider table **Account(customerid, accountid, accounttype,balance)** has been created with customerid as primary key.

Identify ALTER statement which executes successfully on account table. [Note: Table has no records]

Options	Response	Answer
ALTER TABLE Account ADD CONSTRAINT acc_chek CHECK(accounttype IN('C','S'));		✓
ALTER TABLE Account DROP Balance;		
ALTER TABLE Account ADD CONSTRAINT PRIMARY KEY(customerid, accountid);		
ALTER TABLE Account ADD CONSTRAINT acc_null NOT NULL(accounttype);		

**Question 22:**
**Time:** 1 Min 38 Sec

**Marks:** 0/ 1

Consider the below tables.

Publisher(PublisherCode, PublisherName, Address, Email). Here PublisherCode is the primary key;

Book (ISBN, Title, Author, Price, PublisherCode). Here ISBN is the Primary Key and PublisherCode is the foreign key referencing the PublisherCode in Publisher table.

Which is the CORRECT SQL query to display ISBN, Title, Author, PublisherCode and PublisherName for all the books.

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Options	Response	Answer
<pre>SELECT Book.ISBN, Book.Title, Book.Author, Book.PublisherCode, Publisher.PublisherName  FROM Book,Publisher;</pre>		
<pre>SELECT ISBN,Title,Author,PublisherCode,Publis herName  FROM Book INNER JOIN Publisher</pre>	✓	
<pre>ON PublisherCode = PublisherCode;</pre>		
<pre>SELECT Book.ISBN, Book.Title, Book.Author, Book.PublisherCode, Publisher.PublisherName  FROM Book INNER JOIN Publisher</pre>		
<pre>ON Book.PublisherCode = Publisher.PublisherCode;</pre>		
<pre>SELECT Book.ISBN, Book.Title, Book.Author, Book.PublisherCode, Publisher.PublisherName  FROM Book SELF JOIN Publisher</pre>		
<pre>ON Book.PublisherCode = Publisher.PublisherCode;</pre>		

**Question 23:**

**Time:** 21 Sec

**Marks:** 1/ 1

What will be the output of the following Java code?

```
public class ApplicationTester {
 public static void main(String[] args){
 String company = new String("Accenture Solutions Pvt Ltd");
 String[] tokens = company.split(" ");
 System.out.println(tokens.length);
 }
}
```

Choose the most appropriate option.

Options	Response	Answer
4	✓	✗
1		
0		
3		

---

**Question 24:**

Time: 1 Min 50 Sec

Marks: 0/ 1

What will be the output of the following Java code?

```
1 package mypackage1;
2
3 public class Parent {
4 public Parent(){
5 System.out.print("1 ");
6 }
7 protected void parentMethod(){
8 System.out.println(" 3 ");
9 }
10}
11
12 package mypackage2;
13 import mypackage1.Parent;
14
15 public class Child extends Parent{
16 public Child(){
17 System.out.println("2");
18 }
19}
20
21
22 package mypackage2;
23
24 public class ApplicationTester{
25 public static void main(String[] args){
26 Child child = new Child();
27 child.parentMethod();
28 }
29}
30
```

Options	Response	Answer
Compilation error at Line 27: The method parentMethod() from the type Parent is not visible		✓
1 2		
Compilation error at Line 7: 'parentMethod' cannot be 'protected'		
1 2 3	✓	

**Question 25:**

Time: 2 Min 5 Sec

Marks: 0/1

Consider the table **Employee** (EmployeeId, Name, CareerLevel, Salary).

Which is the CORRECT SQL query to display EmployeeId, Name, CareerLevel and Salary of employees who are getting the maximum salary in each career level?

Options	Response	Answer
SELECT EmployeeId, Name, CareerLevel, Salary		
FROM Employee E1 WHERE Salary IN(		
SELECT max(Salary) FROM Employee E2		
WHERE E2.salary = E1.salary);		
SELECT EmployeeId, Name, CareerLevel, Salary	✓	
FROM Employee E1 WHERE max(Salary) IN		
(SELECT max(Salary) FROM Employee E2		
WHERE E2.CareerLevel = E1.CareerLevel);		
SELECT EmployeeId, Name, CareerLevel, Salary		
FROM Employee E1 WHERE Salary IN		
(SELECT max(Salary) FROM Employee E2);		

```
SELECT EmployeeId, Name,
CareerLevel, Salary

FROM Employee E1 WHERE Salary IN

(SELECT max(Salary) FROM
Employee E2

WHERE E2.CareerLevel =
E1.CareerLevel);
```

**Question 26:**

Time: 4 Min 27 Sec

Marks: 1 / 1

Identify the CORRECT method which can be added in to class MyClass

```
public class MyClass {
 public int display(int num1, float num2){
 return 0;
 }
 public double display(String name, int salary) {
 return 0.0;
 }
}
```

Choose the most appropriate option.

Options	Response	Answer
public String display(String name, int salary{ return "success"; }		
public float display(int num1,float num2){ return 0.0f; }		
public void display(int num1,String num2){ }	✓	✓
public double display(String empName, int empld){ return 0.0; }		

### Question 27:

Time: 1 Min 9 Sec

Marks: 1/ 1

What will be the output of the following Java code?

```
public class MyClass{
 public MyClass() {
 System.out.println("Inside constructor");
 }
 static {
 System.out.println("Inside static block 1");
 }
 static {
 System.out.println("Inside static block 2");
 }
 public static void main(String[] args) {
 System.out.println("Inside main method");
 }
}
```

Choose the most appropriate option.

Options	Response	Answer
Inside main method Inside static block 1 Inside static block 2		
Inside static block 1 Inside static block 2 Inside main method	✓	✓
Inside main method		
Inside main method Inside constructor Inside static block 1 Inside static block 2		

**Question 28:**

Time: 17 Sec

Marks: 1 / 1

Arrange the following stages of Project Lifecycle according to SDLC.

- (1) Planning
- (2) Initiation
- (3) Closing
- (4) Execution

Choose the most appropriate option.

Options	Response	Answer
(1) - (2) - (4) - (3)		
(1) - (2) - (3) - (4)		
(2) - (1) - (3) - (4)		
(2) - (1) - (4) - (3)	✓	✓

**Question 29:**

Time: 24 Sec

Marks: 1 / 1

What are the benefits of ADM?

- (1) Project standardization and customization
- (2) Common project management framework

Choose the most appropriate option.

Options	Response	Answer
Both (1) and (2)	✓	✓
Neither (1) Nor (2)		
Only (1)		
Only (2)		

---

**Question 30:**

Time: 1 Min 2 Sec

Marks: 0/ 1

What will be the output of the following Java code?

```
public class ApplicationTester {
 public static void main(String[] args){
 int[] array = {-23,-1,-15,-11,-8};
 int max = 0;
 for(int i=0; i < array.length; i++){
 if(array[i] > max){
 max = array[i];
 }
 }
 System.out.println(max);
 }
}
```

Choose the most appropriate option.

Options	Response	Answer
-8		
-23		
-1	✓	
0		✓

**Question 31:**

Time: 43 Sec

Marks: 0 / 1

What will be the output of the following Java code?

```
public class MyClass {
 public static void main(String args[]) {
 int i=0;
 while(i++>0) {
 System.out.println("the value of i is "+i);
 }
 System.out.println("End of Program");
 }
}
```

Choose the most appropriate option.

Options	Response	Answer
the value of i is 0 End of Program		
the value of i is 1 End of Program		
The code enters into an infinite loop which prints the value of i from 1 and keep on incrementing it by 1		
End of Program		✓

**Question 32:**

Time: 52 Sec

Marks: 1 / 1

What will be the output of the following Java code?

```
interface Message {
 void writeContent();
}

class Email implements Message {
 public void writeContent() {
 System.out.println("Email message");
 }
}

class SMS implements Message {
 public void writeContent() {
 System.out.println("SMS message");
 }
}

public class ApplicationTester{
 public static void main(String[] args) {
 Message message = new Email(); //Line-1
 message.writeContent();
 }
}
```

Choose the most appropriate option.

Options	Response	Answer
null		
Email message	✓	✓
Compilation error at Line-1: Cannot have a reference of interface type		
SMS message		

---

**Question 33:****Time: 23 Sec****Marks: 0/ 1**

Refer the HTML code given below.

```
<html>
<body>
<table border="1">
<tr><th>A</th> <th colspan="2">B</th>
<tr> <th rowspan="3">C</th> <th>D</th> <th>E</th> </tr>
<tr> <th>A</th> <th>B</th></tr>
<tr> <th>D</th> <th>E</th></tr>
</table>
</body>
</html>
```

How many cells will be displayed when the page is displayed on the browser?

Options	Response	Answer
8		
11		
10		
9		✓

**Question 34:**

Time: 8 Sec

Marks: 1 / 1

Which of the following is/are DevOps Principle?

- (1) Continuous improvement
- (2) Test early and often

Choose the most appropriate option.

Options	Response	Answer
Both (1) and (2)	✓	✓
Only (1)		
Neither (1) Nor (2)		
Only (2)		

---

**Question 35:**

Time: 1 Min 10 Sec

Marks: 0/ 1

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What will be the output of the following Java code?

```
1 public interface MyInterface1 {
2 public void method1();
3 }
4
5 public interface MyInterface2 {
6 public void method2();
7 }
8
9 public class MyClass implements MyInterface1, MyInterface2{
10 public void method1(){
11 System.out.println("method1");
12 }
13 public void method2(){
14 System.out.println("method2");
15 }
16 }
17
18 public class ApplicationTester {
19 public static void main(String[] args){
20 MyInterface1 ref = new MyClass();
21 ref.method2();
22 }
23 }
24
```

Options	Response	Answer
Compilation error at Line 21: The method method2() is undefined for the type MyInterface1		✓
Compilation error at Line 9: MyClass cannot implement two interfaces		
method2		
Compilation error at Line 20: Cannot have a reference of type 'MyInterface1'	✓	

**Question 36:**

Time: 13 Sec

Marks: 0 / 1

Which of the following are characteristics of Agile?

- a. Deliver working software frequently, from a couple of weeks to a couple of months
- b. Working software is the primary measure of progress
- c. Comprehensive documentation

Choose the most appropriate option.

Options	Response	Answer
Both (a) and (c )		
Both (a) and (b)		✓
Both (b) and (c )		
All (a), (b) and (c )	✓	

**Question 37:**

Time: 9 Sec

Marks: 1/ 1

In HTML, which is the CORRECT character entity to display ">" symbol?

Options	Response	Answer
&gt;	✓	✓
gt;		
#gt;		
&#gt;		

**Question 38:**

Time: 26 Sec

Marks: 1/ 1

Assume that my\_style.css is an existing and a valid css file. Which is the CORRECT way to refer this external style sheet?

Options	Response	Answer
<link rel="stylesheet" type="text/css" href= "my_style.css" />	✓	✓
<stylesheet type="text/css" href= "my_style.css" />		
<style rel="stylesheet" type="text/css" href= "my_style.css" />		
<link> href= "my_style.css" </link>		

**Question 39:**
**Time:** 21 Sec

**Marks:** 1/ 1

Which of the following statement/s is/are TRUE with respect to Community Cloud?

- (1) Exclusively owned and operated by a single organization
- (2) Available for use by a shared community consisting of several organizations

Choose the most appropriate option.

Options	Response	Answer
Both (1) and (2)		
Only (1)		
Neither (1) Nor (2)		
Only (2)	✓	✓

**Question 40:**
**Time:** 2 Min 3 Sec

**Marks:** 0/ 1

What will be the output of the following Java code?

```
public class BreakTester {
 public static void main(String[] args){
 int i = 1;
 for(i = 1; i <= 10; i++){
 if(i == 5){
 break;
 }
 }
 System.out.println("Value of i outside the loop: " + i);
 }
}
```

Choose the most appropriate option.

Options	Response	Answer
Value of i outside the loop: 10	✓	
Value of i outside the loop: 0		
Value of i outside the loop: 5		✓
Value of i outside the loop: 11		

**Question 41:**

Time: 59 Sec

Marks: 1/ 1

What will be the output of the following Java code?

```
public class Tester{
 public static void main(String[] args){
 int num = 12;
 switch (num % 2) {
 default:
 System.out.println("Default");
 case 0:
 System.out.println("Even");
 case 1:
 System.out.println("Odd");
 break;
 }
 }
}
```

Choose the most appropriate option.

Options	Response	Answer
Compilation error as default cannot be the first case among all the cases		
Default Even Odd		
Default		
Even Odd		✓

---

**Question 42:**

Time: 1 Min 44 Sec

Marks: 0 / 1

Assume that table **Customer** has the following records.

Cid	Cname
10	James
11	Jack
12	HARY
13	MARK

Identify the CORRECT SQL statement to display the output as follows.

Cname
James
Jack

Options	Response	Answer
SELECT cname FROM customer WHERE cname LIKE '_a%' OR cname LIKE '%k';		✓
SELECT cname FROM customer WHERE cname = '_a%' OR cname ='%k';	✓	
SELECT cname FROM customer WHERE cname = '_a%' AND cname ='%k';		
SELECT cname FROM customer WHERE cname LIKE '_a%' AND cname LIKE '%k';		

**Question 43:**

Time: 19 Sec

Marks: 0 / 1

Performance feedback allows which of the following actions?

- (1) To take action to improve your skills and performance so you are effective in your current and future roles
- (2) To have your say about how you think your colleagues are performing

Choose the most appropriate option.

Options	Response	Answer
Only (1)		
Both (1) and (2)	✓	
Neither (1) Nor (2)		
Only (2)		

**Question 44:**

Time: 47 Sec

Marks: 0 / 1

Refer the code given below:

```
Employee emp = new Employee();
Employee emp1 = new Employee();
emp = new Employee();
Employee emp2=new Employee();
emp=null;
emp2=emp;
//Line1
```

Assume class Employee is a valid Java class.

How many objects are eligible for garbage collection at Line1.

Choose the most appropriate option.

Options	Response	Answer
3		✓
1		
2	✓	
4		

**Question 45:**
**Time: 52 Sec**
**Marks: 0/ 1**

Which of the following are CORRECT statement?

- a) onClick() and onFocus() are DOM events
- b) The DOM method getElementByTagName("name") retrieves an array of all elements having the given tag name
- c) In Java Script, a browser is represented by an implicit object called Document

Options	Response	Answer
a and b only		✓
a and c only		
b and c only		
a, b and c		

**Question 46:**
**Time: 30 Sec**
**Marks: 1/ 1**

Refer the JavaScript code given below.

```
<html>

<head>

<script>

function aFun(){

var num1=111;

var num2="111";

alert(num1==num2) //Line1

alert(num1==num2) //Line2

}

</script>

</head>

<button onclick='aFun()'>Click</button>

</html>
```

When the above code is executed, what will be the output produced by Line1 and Line2?

Options	Response	Answer
Output from Line1: true, Output from Line2: true		
Output from Line1: false, Output from Line2: true		
JavaScript will show a compilation error as "===" is not defined		
Output from Line1: true, Output from Line2: false	✓	✓

**Question 47:**
**Time:** 27 Sec

**Marks:** 1/ 1

Which of the following actions should be performed to ensure cyber safety at a user level?

- (i) Automatic downloads from the websites should be enabled
- (ii) Automatic security updates should be installed
- (iii) Firewall should be turned off if the system has the latest security update

Choose the most appropriate option

Options	Response	Answer
Both (i) and (iii)		
Both (ii) and (iii)		
Both (i) and (ii)		
Only (iii)		
Only (ii)	✓	✓

**Question 48:**
**Time:** 29 Sec

**Marks:** 0/ 1

Refer the below variable declarations done in JavaScript.

- 1) x=10;
- 2) int x=10;
- 3) var x="10";
- 4) Integer x=10;

Which of the variable declarations are CORRECT?

Options	Response	Answer
1 and 2 only		
1,2 and 3 only	✓	
1 and 3 only		✓
2 and 4 only		

**Question 49:**

Time: 38 Sec

Marks: 1/ 1

What will be the output of the following Java code?

```
1 package mypackage1;
2
3 public class Parent {
4 protected Parent() {
5 System.out.print("1 ");
6 }
7 }
8
9 package mypackage2;
10 import mypackage1.Parent;
11
12 public class Child extends Parent{
13 protected Child(){
14 System.out.println("2");
15 }
16 }
17
18 package mypackage2;
19
20 public class ApplicationTester {
21 public static void main(String[] args) {
22 Child child = new Child();
23 }
24 }
25
```

Options	Response	Answer
2		
Compilation error at Line 13: 'Child' constructor cannot be 'protected'		
Compilation error at Line 4: 'Parent' constructor cannot be 'protected'		
1 2	✓	✓

**Question 50:**

Time: 1 Min 30 Sec

Marks: 1/ 1

Consider the Java code given below.

```
public class Rectangle {
 private int length;
 private int width;
 public static void main(String[] args) {
 Rectangle rectangle1 = new Rectangle();
 rectangle1.length=10;
 rectangle1.width=5;
 Rectangle rectangle2 = rectangle1;
 System.out.println("Length : "+rectangle2.length);
 System.out.println("Width : "+rectangle2.width);
 }
}
```

With respect to the above code, identify where the instance variables 'length' and 'width' will be stored in the memory? And where 'rectangle1' will be stored in the memory?

Choose the most appropriate option.

Options	Response	Answer
length', 'width' and 'rectangle1' will be stored in heap		
length' and 'width' will be stored in stack, 'rectangle1' will be stored in heap		
length', 'width' and 'rectangle1' will be stored in stack		
length' and 'width' will be stored in heap, 'rectangle1' will be stored in stack	✓	✓

## Question-wise Details

### Section #1

#### Question 1:

Time: 51 Sec

Marks: 0/ 1

Consider the table Employee(empld,empName,jobBand). Which is the CORRECT SQL statement to retrieve all UNIQUE jobBand from Employee table ? Choose most appropriate option.

Options	Response	Answer
SELECT jobBand DISTINCT from Employee;		
SELECT DISTINCT jobBand,empld from Employee;		
SELECT DISTINCT(jobBand) from Employee;	✓	
SELECT DISTINCT jobBand from Employee;		✓

#### Question 2:

Time: 33 Sec

Marks: 1/ 1

Consider table Department(deptId,deptName). Which of the following query is used to display the department details whose deptname has second letter as 'a' and second last letter as 'e'? Choose most appropriate option.

Options	Response	Answer
SELECT * FROM department WHERE deptname LIKE '_a%e_';	✓	✓
SELECT * FROM department WHERE deptname LIKE 'a%e_';		
SELECT * FROM department WHERE deptname LIKE '%a%e_';		
SELECT * FROM department WHERE deptname LIKE 'a%e%';		

**Question 3:**

Time: 48 Sec

Marks: 0/ 1

Consider the table Products(pid,pname,pcost). Identify the appropriate SQL statement to rename the table to ProductsInfo . Choose most appropriate option.

Options	Response	Answer
ALTER TABLE Products RENAME ProductsInfo;	✓	
ALTER TABLE Products UPDATE TO ProductsInfo;		
ALTER TABLE RENAME Products TO ProductsInfo;		
ALTER TABLE Products RENAME TO ProductsInfo;		✓

**Question 4:**

Time: 47 Sec

Marks: 0/ 1

Consider the table Employee(empid,jobBand).

Which is the CORRECT DML statement to update the job band of all employees to NULL? Choose most appropriate option.

Options	Response	Answer
UPDATE TABLE employee SET jobBand is NULL;	✓	
UPDATE employee SET jobBand = NULL;		✓
UPDATE TABLE employee SET jobBand = NULL;		
UPDATE employee SET jobBand is NULL;		

**Question 5:**

Time: 34 Sec

Marks: 0/ 1

# Shout4Education

Identify the CORRECT statements with respect to constraints.

- (i) A table can have only one FOREIGN KEY
- (ii) A column with UNIQUE constraint cannot have NULL value

choose most appropriate option.

Options	Response	Answer
only (i)	✓	
only (ii)		
both (i) and (ii)		
neither (i) nor (ii)		✓

## Question 6:

Time: 35 Sec

Marks: 1 / 1

Identify the CORRECT statement(s)

- (a) A column with UNIQUE constraint can have NULL values
- (b) FOREIGN KEY column can have NULL values
- (c) A TABLE can have more than one PRIMARY KEY column
- (d) FOREIGN KEY column can refer to PRIMARY KEY column of same table only

Choose most appropriate option.

Options	Response	Answer
a and b	✓	✓
a and d		
b and c		
a, b and d		

**Question 7:**

Time: 26 Sec

Marks: 1/ 1

Consider the table Project(ProjectId, ProjectName, ProjectType) is created without any constraint and has the records as per the attachment.

ProjectId	ProjectName	ProjectType
P1	FIN	A1
P2	SALE	A2
P1	FIN	A1

Identify the ALTER statement which executes successfully on project table. Choose most appropriate option.

Options	Response	Answer
ALTER TABLE Project ADD CONSTRAINT proj_pk PRIMARY KEY(ProjectId);		
ALTER TABLE Project ADD CONSTRAINT proj_uq UNIQUE(ProjectName);		
ALTER TABLE Project ADD CONSTRAINT proj_nn NOT NULL(ProjectType);		
ALTER TABLE Project ADD CONSTRAINT proj_chk CHECK(ProjectType IN('A1','A2'));	✓	

## Question 8:

Time: 1 Min 28 Sec

Marks: 0/ 1

Consider table Students(studentId, branchid). Identify the CORRECT SQL statement to retrieve the branches which has more than 3 students. Choose most appropriate option.

Options	Response	Answer
SELECT branchid FROM Students WHERE COUNT(*) > 3 GROUP BY branchid;		
SELECT branchid FROM Students HAVING COUNT(*) > 3;		
SELECT branchid FROM Students GROUP BY studentId HAVING COUNT(*) > 3;	✓	
SELECT branchid FROM Students GROUP BY branchid HAVING COUNT(*) > 3;		✓

## Question 9:

Time: 3 Min 0 Sec

Marks: 0/ 1

# **Shout4Education**

Consider the table Account (accid, balance, accountType). The following constraints to be enforced.

1. Accid should be unique and Not Null
2. Account type should be 'C' or 'S'. Balance should be greater than 1000 and 3000 for account type 'C' and 'S' respectively

Identify the CORRECT SQL statement to create the Account table with the above mentioned constraints. Choose most appropriate option.

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Options	Response	Answer
CREATE TABLE account( accid NUMBER(2) CONSTRAINT acc_pk PRIMARY KEY, balance NUMBER(4), accountType CHAR, CONSTRAINT acc_chk CHECK (accountType='S' AND balance>3000) AND (accountType='C' AND balance >1000) );		
CREATE TABLE account( accid NUMBER(2) CONSTRAINT acc_pk1 PRIMARY KEY, balance NUMBER(4) CONSTRAINT acc_chk CHECK(balance>1000 OR balance >3000), accountType CHAR CONSTRAINT acc_chk CHECK (accountType='S' OR accountType='C') );	✓	
CREATE TABLE account( accid NUMBER(2) CONSTRAINT acc_pk PRIMARY KEY, balance NUMBER(4), accountType CHAR, CONSTRAINT acc_chk1 CHECK (accountType='S' AND balance>3000), CONSTRAINT acc_chk2 CHECK (accountType='C' AND balance >1000) );		
CREATE TABLE account( accid NUMBER(2) CONSTRAINT acc_pk PRIMARY KEY, balance NUMBER(4), accountType CHAR, CONSTRAINT acc_chk CHECK ( (accountType='S' AND balance>3000) OR (accountType='C' AND balance >1000) );		✓

Question 10:

Time: 1 Min 23 Sec

Marks: 1/ 1

# Shout4Education

You are suppose to create a table "ExamResult" with the following description. studentId NUMBER(4), courseld VARCHAR2(10), mark NUMBER(3) There should not be duplicate combination of studentId and courseld in any record. Identify the correct DDL statement to create ExamResult table. Choose the most appropriate option.

Options	Response	Answer
CREATE TABLE ExamResult( studentId NUMBER(4), courseld VARCHAR2(10), mark NUMBER(3), CONSTRAINT er_pk PRIMARY KEY(studentId, courseld));	✓	✓
CREATE TABLE ExamResult( studentId NUMBER(4) CONSTRAINT stud_pk PRIMARY KEY, courseld VARCHAR2(10) CONSTRAINT cid_pk PRIMARY KEY, mark NUMBER(3));		
CREATE TABLE ExamResult( (studentId NUMBER(4), courseld VARCHAR2(10) ) CONSTRAINT er_pk PRIMARY KEY, mark NUMBER(3));		
CREATE TABLE ExamResult( studentId NUMBER(4), courseld VARCHAR2(10), mark NUMBER(3), CONSTRAINT er_pk COMPOSITE PRIMARY KEY(studentId, courseld));		

---

**Question 11:****Time: 1 Min 29 Sec****Marks: 0 / 1**

Consider table player(playerid, playername, runs\_scored, playergroup). Identify the CORRECT SQL statement to retrieve the details of players who have scored runs which is greater than the average of runs scored by all players in his player group. Choose most appropriate option.

# Shout4Education

Options	Response	Answer
<pre>SELECT p1.playerid, p1.playername, p1.runs_scored FROM player p1 WHERE AVG(p1.runs_scored)&gt;( SELECT AVG(p2.runs_scored) FROM player p2 WHERE p1.playergroup=p2.playergroup);</pre>		
<pre>SELECT playerid, playername, runs_scored FROM player WHERE runs_scored&gt;( SELECT AVG(runs_scored) FROM player);</pre>	✓	
<pre>SELECT p1.playerid, p1.playername, p1.runs_scored FROM player p1 WHERE p1.runs_scored&gt;( SELECT p2.runs_scored FROM player p2 GROUP BY p2.playergroup HAVING p2.runs_scored&gt;AVG(p2.runs_scored)) ;</pre>		
<pre>SELECT p1.playerid, p1.playername, p1.runs_scored FROM player p1 WHERE p1.runs_scored&gt;( SELECT AVG(p2.runs_scored) FROM player p2 WHERE p1.playergroup=p2.playergroup);</pre>		✓

Question 12:

Time: 44 Sec

Marks: 0/ 1

# Shout4Education

Consider the Tables given below:

Product(productId,productName)

ProductOrder(orderId,productId,quantity)

productId column of ProductOrder is a Foreign key referring to Product Table. Identify the appropriate SQL statement which will fetch the ProductId,ProductName,OrderId for all the Product ordered and display 'Yet to be Ordered' if a product has not been ordered till now.

Choose most appropriate option.

Options	Response	Answer
<pre>SELECT p1.productId,p1.productName,NVL(p2. orderId,'Yet to be Ordered') FROM Product p1 INNER JOIN ProductOrder p2 ON p1.productId=p2.productId;</pre>	✓	
<pre>SELECT p1.productId,p1.productName,NVL(p2. orderId,'Yet to be Ordered') FROM Product p1 LEFT OUTER JOIN ProductOrder p2 ON p1.productId=p2.productId;</pre>		✓
<pre>SELECT p1.productId,p1.productName,NVL(p2. orderId,'Yet to be Ordered') FROM Product p1 RIGHT OUTER JOIN ProductOrder p2 ON p1.productId=p2.productId;</pre>		
<pre>SELECT p1.productId,p1.productName,NVL('Yet to be Ordered',p2.orderId) FROM Product p1 LEFT OUTER JOIN ProductOrder p2 ON p1.productId=p2.productId;</pre>		

**Question 13:**

Time: 18 Sec

Marks: 1/ 1

```
1 <!DOCTYPE html>
2 <html>
3 <body>
4 <script>
5 var x = (3 + 3) + 4 + "6";
6 alert(x); //line 1
7 </script>
8 </body>
9 </html>
10
```

What will be printed in alert box in line 1? Choose most appropriate option.

Options	Response	Answer
3346		
646		
106		✓
16		

**Question 14:**

Time: 10 Sec

Marks: 1/ 1

What would be the output of the javascript code given below?

```
1 <html>
2 <head>
3 <script>
4 var data=10;
5 document.write(typeof(data));
6 </script>
7 </head>
8 </html>
9
```

# Shout4Education

Options	Response	Answer
int		
number	✓	✓
integer		
numberType		

## Question 15:

Time: 12 Sec

Marks: 1 / 1

Which of the following is the correct html form element to create the checkbox in a web page? Choose most appropriate option.

Options	Response	Answer
<checkbox>		
<input=checkbox>		
<input type="checkbox">	✓	✓
<input checkbox>		

## Question 16:

Time: 31 Sec

Marks: 1 / 1

Which is the correct CSS code to display the text "Accenture" in light grey back ground? Choose most appropriate option.

Options	Response	Answer
<h2 style = "background-color : lightgrey">Accenture</h2>	✓	✓
<h2 background-color : lightgrey>Accenture</h2>		
<h2 style = "background-color(lightgrey)">Accenture</h2>		
<h2 style = "background-color = lightgrey">Accenture</h2>		

**Question 17:**

Time: 2 Min 4 Sec

Marks: 0/ 1

What would be the output of the java script code given below?

```
1 <html>
2 <head>
3 <script>
4 var data1=100;
5 function test()
6 {
7 var data1=200;
8 window.data1=data1+10;
9 }
10 test();
11 document.write(data1);
12 </script>
13 </head>
14 <body>
15 </body>
16 </html>
17
```

Choose most appropriate option.

Options	Response	Answer
100	✓	
200		
210		✓
110		

**Question 18:**

Time: 19 Sec

Marks: 1/ 1

# Shout4Education

Which of the following are CSS selectors?

(i) Element Selector

(ii) Class Selector

(iii) Style Selector

Options	Response	Answer
(i) and (ii) only	✓	✓
(ii) and (iii) only		
(i) and (iii) only		
(i), (ii) and (iii)		

Question 19:

Time: 19 Sec

Marks: 1 / 1

Refer the HTML code given below.

```
1 <html>
2 <body>
3 <table border="1">
4 <tr>
5 <th>A</th>
6 <th colspan="2">B</th>
7 </tr>
8 <tr>
9 <th rowspan="3">C</th>
10 <th>D</th>
11 <th>E</th>
12 </tr>
13 <tr>
14 <th>A</th>
15 <th>B</th>
16 </tr>
17 <tr>
18 <th>D</th>
19 <th>E</th>
20 </tr>
21 </table>
22 </body>
23</html>
24
```

How many cells will be displayed when the page is displayed on the browser? Choose most appropriate option.

Options	Response	Answer
8		
11		
10		
9	✓	✓

**Question 20:**

Time: 33 Sec

Marks: 1/ 1

# Shout4Education

Refer the HTML code given below.

```
1 <html> <body>
2 <table border="1">
3 <tr><th>A</th>
4 <th colspan="2">B</th>
5 </tr>
6 <tr> <th rowspan="3">C</th>
7 <th>D</th>
8 <th>E</th>
9 </tr>
10 <tr>
11 <th>A</th>
12 <th rowspan="2">B</th>
13 </tr>
14 <tr>
15 <th>D</th>
16 </tr>
17 </table>
18 </body>
19 </html>
20
```

How many cells will be displayed when the page is displayed on the browser? Choose most appropriate option.

Options	Response	Answer
7		
10		
9		
8	✓	✓

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## Question-wise Details

### Section #1

#### Question 1:

Time: 29 Sec

Marks: 0/ 1

Consider the table Employee(empld,empName,jobBand).

Which is the CORRECT DML statement to update the job band of all employees to NULL? Choose most appropriate option.

Options	Response	Answer
UPDATE TABLE employee SET jobBand is NULL;		
UPDATE employee SET jobBand = NULL;		✓
UPDATE TABLE employee SET jobBand = NULL;	✓	
UPDATE employee SET jobBand is NULL;		

#### Question 2:

Time: 29 Sec

Marks: 1/ 1

Consider the table Employee(empld,empName,jobBand). Which is the CORRECT SQL statement to retrieve all UNIQUE jobBand from Employee table ? Choose most appropriate option.

Options	Response	Answer
SELECT jobBand DISTINCT from Employee;		
SELECT DISTINCT jobBand,empld from Employee;		
SELECT DISTINCT(jobBand) from Employee;		
SELECT DISTINCT jobBand from Employee;	✓	✓

**Question 3:**

Time: 25 Sec

Marks: 1 / 1

Consider the table Products(pid,pname,pcost). Identify the appropriate SQL statement to rename the table to ProductsInfo . Choose most appropriate option.

Options	Response	Answer
ALTER TABLE Products RENAME ProductsInfo;		
ALTER TABLE Products UPDATE TO ProductsInfo;		
ALTER TABLE RENAME Products TO ProductsInfo;		
ALTER TABLE Products RENAME TO ProductsInfo;	✓	✓

**Question 4:**

Time: 30 Sec

Marks: 1 / 1

Consider table Department(deptId,deptName). Which of the following query is used to display the department details whose deptname has second letter as 'a' and second last letter as 'e'? Choose most appropriate option.

Options	Response	Answer
SELECT * FROM department WHERE deptname LIKE '_a%e_';	✓	✓
SELECT * FROM department WHERE deptname LIKE 'a%e_';		
SELECT * FROM department WHERE deptname LIKE '%a%e_';		
SELECT * FROM department WHERE deptname LIKE 'a%e%';		

**Question 5:**

Time: 55 Sec

Marks: 1 / 1

# Shout4Education

Consider table Account(acId, acctype, balance). Identify the appropriate SQL statement to display account details in the ascending order of balance and in the descending order of acId if the balance is same. choose most appropriate option.

Options	Response	Answer
SELECT * FROM Account ORDER BY balance, acId DESC;	✓	✓
SELECT * FROM Account ORDER BY balance ASC, acId;		
SELECT * FROM Account ORDER BY acId DESC, balance ASC;		
SELECT * FROM Account ORDER BY acId DESC, balance;		

## Question 6:

Time: 45 Sec

Marks: 1/ 1

Consider table Employee(empid, empname, jobband). Choose the CORRECT SQL statement to retrieve all employee ids along with their job band. If job band is not assigned to an employee, then it should display 'NA' as job band (Note: Data type of column jobBand is VARCHAR2). Choose most appropriate option.

Options	Response	Answer
SELECT empid, NVL(jobband),'NA' FROM Employee;		
SELECT empid, NVL(jobband,NULL,'NA') FROM Employee;		
SELECT empid, NVL(NULL,'NA',jobband)FROM Employee;		
SELECT empid, NVL(jobband,'NA') FROM Employee;	✓	✓

## Question 7:

Time: 1 Min 34 Sec

Marks: 1/ 1

# Shout4Education

Consider table Students(sid NUMBER(3), sname VARCHAR2(10), scontact NUMBER(10) ) is already created in the database. It is required to change the data type of the column "scontact" to VARCHAR2(15). Which of the following is Correct for the above requirement?

Note: sid column is primary key.

Choose most appropriate option.

Options	Response	Answer
To change the data type of a column, it is important to ensure that the corresponding column is not having data for any of the record	✓	✓
There are no criteria to be followed. We can change the datatype of the column irrespective of the data		
Data type can be changed only for primary key column		
It is not possible to change the data type of a column		

**Question 8:**

Time: 1 Min 20 Sec

Marks: 1/ 1

# Shout4Education

Consider table Player(playerId NUMBER(4), playerType NUMBER(1)) has following records.

PlayerId	PlayerType
555	1
666	
777	2
888	1

Identify the appropriate SQL statement to display player details. If there is no value for player type, then it should display "No Type".

Choose most appropriate option.

Options	Response	Answer
SELECT playerId, NVL(TO_CHAR(playerType), 'No Type') FROM Player;	✓	✓
SELECT playerId, NVL(playerType, 'No Type') FROM Player;		
SELECT playerId, NVL(playerType) AS "No Type" FROM Player;		
SELECT playerId, NVL(TO_CHAR(playerType) AS "No Type" FROM Player;		

Question 9:

Time: 3 Min 3 Sec

Marks: 1 / 1

Consider the table Account (accid, balance, accountType). The following constraints to be enforced.

1. Accid should be unique and Not Null
2. Account type should be 'C' or 'S'. Balance should be greater than 1000 and 3000 for account type 'C' and 'S' respectively

Identify the CORRECT SQL statement to create the Account table with the above mentioned constraints. Choose most appropriate option.

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Options	Response	Answer
CREATE TABLE account( accid NUMBER(2) CONSTRAINT acc_pk PRIMARY KEY, balance NUMBER(4), accountType CHAR, CONSTRAINT acc_chk CHECK (accountType='S' AND balance>3000) AND (accountType='C' AND balance >1000) );		
CREATE TABLE account( accid NUMBER(2) CONSTRAINT acc_pk1 PRIMARY KEY, balance NUMBER(4) CONSTRAINT acc_chk CHECK(balance>1000 OR balance >3000), accountType CHAR CONSTRAINT acc_chk CHECK (accountType='S' OR accountType='C') );		
CREATE TABLE account( accid NUMBER(2) CONSTRAINT acc_pk PRIMARY KEY, balance NUMBER(4), accountType CHAR, CONSTRAINT acc_chk1 CHECK (accountType='S' AND balance>3000), CONSTRAINT acc_chk2 CHECK (accountType='C' AND balance >1000) );		
CREATE TABLE account( accid NUMBER(2) CONSTRAINT acc_pk PRIMARY KEY, balance NUMBER(4), accountType CHAR, CONSTRAINT acc_chk CHECK ( (accountType='S' AND balance>3000) OR (accountType='C' AND balance >1000) );	✓	✓

Question 10:

Time: 2 Min 22 Sec

Marks: 1/ 1

# Shout4Education

Consider the below tables.

Customer(customerId,customerName) - customerId is primary key  
Account(accountId,accountType,balance,customerId) - accountId is primary key and customerId is foreign key.

Which is the CORRECT SQL statement to retrieve customerId, customerName, accountId and balance for all customers. It should also display the details of the customers who are not having any account.

Choose most appropriate option.

Options	Response	Answer
<pre>SELECT c.customerId,c.customerName,a.accou ntId,a.balance FROM customer c RIGHT OUTER JOIN account a ON c.customerId=a.customerId;</pre>		
<pre>SELECT c.customerId,c.customerName,a.accou ntId,a.balance FROM account a LEFT OUTER JOIN customer c ON c.customerId=a.customerId;</pre>		
<pre>SELECT c.customerId,c.customerName,a.accou ntId,a.balance FROM customer c INNER JOIN account a ON c.customerId=a.customerId;</pre>		
<pre>SELECT c.customerId,c.customerName,a.accou ntId,a.balance FROM account a RIGHT OUTER JOIN customer c ON c.customerId=a.customerId;</pre>	✓	✓

Question 11:

Time: 1 Min 22 Sec

Marks: 1 / 1

# Shout4Education

Consider table player(playerid, playername, runs\_scored, playergroup). Identify the CORRECT SQL statement to retrieve the details of players who have scored runs which is greater than the average of runs scored by all players in his player group. Choose most appropriate option.

Options	Response	Answer
<pre>SELECT p1.playerid, p1.playername, p1.runs_scored FROM player p1 WHERE AVG(p1.runs_scored)&gt;( SELECT AVG(p2.runs_scored) FROM player p2 WHERE p1.playergroup=p2.playergroup);</pre>		
<pre>SELECT playerid, playername, runs_scored FROM player WHERE runs_scored&gt;( SELECT AVG(runs_scored) FROM player);</pre>		
<pre>SELECT p1.playerid, p1.playername, p1.runs_scored FROM player p1 WHERE p1.runs_scored&gt;( SELECT p2.runs_scored FROM player p2 GROUP BY p2.playergroup HAVING p2.runs_scored&gt;AVG(p2.runs_scored)) ;</pre>		
<pre>SELECT p1.playerid, p1.playername, p1.runs_scored FROM player p1 WHERE p1.runs_scored&gt;( SELECT AVG(p2.runs_scored) FROM player p2 WHERE p1.playergroup=p2.playergroup);</pre>		✓

## Question 12:

Time: 1 Min 40 Sec

Marks: 1/ 1

Consider table Employee(Empld, EmpName,salary,deptNo). Which is the CORRECT SQL statement to list employees whose salary is more than their department's average salary? The result should be in ascending order of department number. Choose most appropriate option.

Options	Response	Answer
SELECT e1.empId, e1.empName, e1.salary, e1.deptNo FROM employee e1 WHERE e1.salary > (SELECT avg(e2.salary) FROM employee e2) ORDER BY e1.deptNo;		
SELECT e1.empId, e1.empName, e1.salary, e1.deptNo FROM employee e1 ORDER BY e1.deptNo WHERE e1.salary > (SELECT avg(e2.salary) FROM employee e2 WHERE e2.deptNo = e1.deptNo);		
SELECT e1.empId, e1.empName, e1.salary, e1.deptNo FROM employee e1 WHERE avg(e1.salary) > (SELECT e2.salary FROM employee e2 WHERE e2.deptNo = e1.deptNo) ORDER BY e1.deptNo;		
SELECT e1.empId, e1.empName, e1.salary, e1.deptNo FROM employee e1 WHERE e1.salary > (SELECT avg(e2.salary) FROM employee e2 WHERE e2.deptNo = e1.deptNo) ORDER BY e1.deptNo;	✓	✓

### Question 13:

Time: 24 Sec

Marks: 1/ 1

What would be the output of the javascript code given below?

```

1 <html>
2 <head>
3 <script>
4 var data=10;
5 document.write(typeof(data));
6 </script>
7 </head>
8 </html>
9

```

Options	Response	Answer
int		
number	✓	✓
integer		
numberType		

**Question 14:**

Time: 8 Sec

Marks: 1/ 1

Which of the following are the CSS selectors?

- a) Element Selector
- b) Form Selector
- c) Class Selector

Choose most appropriate option.

Options	Response	Answer
a and b		
a and c	✓	✓
b and c		
a, b and c		

**Question 15:**

Time: 11 Sec

Marks: 1/ 1

# Shout4Education

Which of the following is/are the inline html elements?

(i) <i>

(ii) <h6>

(iii) <a>

Choose most appropriate option.

Options	Response	Answer
(i) and (iii)	✓	✓
(ii) and (iii)		
only (i)		
(i), (ii) and (iii)		

**Question 16:**

**Time: 54 Sec**

**Marks: 1/ 1**

# Shout4Education

Refer the incomplete HTML Code given below

```
1 <html>
2 <body>
3 <form action="abc.html" _____> <!--Line1-->
4 First Name: <input type="text" name="f1"/>
5

6 Last Name: <input type="text" name="l1"/>
7

8 Password: <input type="password" name="p1"/>
9

10 <input type="submit" value="Submit"/> </form>
11 </body>
12 </html>
13
```

Assume abc.html is existing and a valid HTML page. Identify the appropriate option to be placed at Line1 so that values entered in the text boxes are not appended to URL while submitting to abc.html . Choose most appropriate option.

Options	Response	Answer
method="GET"		
method="POST"		✓
submit="GET"		
submit="POST"		

**Question 17:**

**Time:** 12 Sec

**Marks:** 1/ 1

# Shout4Education

What would be the Output of the below java script Code?

```
1 <html>
2 <body>
3 <script>
4 var x = 5;
5 var d = (x != "5");
6 document.write(d + "--");
7 d = (x === "5");
8 document.write(d);
9 </script>
10 </body>
11 </html>
12
```

Choose most appropriate option.

Options	Response	Answer
false--false	✓	✓
false--true		
true--false		
true--true		

Question 18:

Time: 47 Sec

Marks: 1/ 1

# Shout4Education

What would be the output of the java script code given below?

```
1 <html>
2 <head>
3 <script>
4 function print()
5 {
6 var value1=1;
7 var value2="2";
8 var value3=2;
9 if(value2==value3)
10 {
11 alert(value1+value3);
12 }
13 else
14 {
15 alert(value1+value2);
16 }
17 }
18 print();
19 </script>
20 </head>
21</html>
22
```

Choose most appropriate option.

Options	Response	Answer
3		
12	✓	✓
122		
32		

**Question 19:**

**Time: 7 Sec**

**Marks: 1/ 1**

# Shout4Education

Consider the javascript code given below. What would be the print values from line 1 and line 2 on execution?

```
1 <html>
2 <body>
3 <p id="id1"></p><!-- line 1-->
4 <p id="id2"></p><!-- line 2-->
5 <script>
6 var y=10;
7 myFunction();
8 document.getElementById("id1").innerHTML = y;
9 document.getElementById("id2").innerHTML = window.y;
10 function myFunction()
11 {
12 y=20;
13 y=y+window.y
14 }
15 </script>
16 </body>
17</html>
18
```

Choose most appropriate option.

Options	Response	Answer
10 30		
10 40		
10 10		
40 40	✓	✓

**Question 20:**

Time: 32 Sec

Marks: 1/ 1

# Shout4Education

Refer the HTML code given below.

```
1 <html>
2 <body>
3 <table border="1">
4 <tr>
5 <th>A</th>
6 <th colspan="2">B</th>
7 </tr>
8 <tr>
9 <th rowspan="3">C</th>
10 <th>D</th>
11 <th>E</th>
12 </tr>
13 <tr>
14 <th>A</th>
15 <th>B</th>
16 </tr>
17 <tr>
18 <th>D</th>
19 <th>E</th>
20 </tr>
21 </table>
22 </body>
23</html>
24
```

How many cells will be displayed when the page is displayed on the browser? Choose most appropriate option.

Options	Response	Answer
8		
11		
10		
9	✓	✓

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## Question-wise Details

### Section #1

#### Question 1:

Time: 11 Sec

Marks: 1/ 1

Consider the Java code given below and determine how many objects and how many references are used in the Java code.  
Assume that Student is a valid Java class.

```
1 public class StudentTester{
2 public static void main(String[] args)
3 {
4 Student s1=new Student();
5 Student s2=new Student();
6 Student s3=s1;
7 Student s4=s1;
8 }
9 }
10
```

Choose the most appropriate option.

Options	Response	Answer
2 Objects and 4 references		✓
4 Objects and 2 references		
2 Objects and 2 references		
3 Objects and 4 references		

#### Question 2:

Time: 14 Sec

Marks: 1/ 1

# Shout4Education

Which of the following statements are valid array declaration?

- (A) int number();
- (B) float average[];
- (C) double[] marks;
- (D) counter int[];

Choose most appropriate option.

Options	Response	Answer
(A)		
(A) & (C)		
(D)		
(B) & (C)	✓	✓

Question 3:

Time: 28 Sec

Marks: 1 / 1

# Shout4Education

What will be the output of the following Java code?

```
public class ApplicationTester

{

 public static void main(String[] args)

 {

 int[] array = new int[10];

 System.out.println(array.length);

 array[0] = 11;

 array[1] = 22;

 array[2] = 33;

 System.out.println(array.length);

 }

}
```

Choose the most appropriate option.

# Shout4Education

Options	Response	Answer
Program will display 0 and 3		
Program will display 10 and 10	✓	✓
Program will display 10 and 3		
Program will display null and 3		

**Question 4:**

Time: 18 Sec

Marks: 1/ 1

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# Shout4Education

Consider the Java code given below and determine how many objects and how many references are used in the Java code.  
Assume that Student is a valid Java class.

```
public class StudentTester

{

 public static void main(String[] args)

 {

 Student s1 = new Student();

 Student s2 = new Student();

 Student s3 = s1;

 Student s4 = s1;

 }

}
```

Choose the most appropriate option.

Options	Response	Answer
2 Objects and 2 references		
4 Objects and 2 references		
2 Objects and 4 references	✓	✓
3 Objects and 4 references		

**Question 5:**

Time: 19 Sec

Marks: 1/ 1

Which of the following statement/s is/are TRUE?

- (1) Java supports multilevel inheritance
- (2) Super keyword is used to invoke methods from the parent class

Choose the most appropriate option.

Options	Response	Answer
Only (1) is TRUE		
Only (2) is TRUE		
Both (1) and (2) are TRUE	✓	✓
Neither (1) Nor (2) are TRUE		

**Question 6:**

Time: 24 Sec

Marks: 1/ 1

# Shout4Education

What will be the output of the following Java code?

```
1 public class ApplicationTester
2 {
3 public static void main(String[] args)
4 {
5 char ch='4';
6 switch(ch)
7 {
8 case '2': System.out.println("Hello");
9 break;
10 default: System.out.println("Hello");
11 case '1': System.out.println("Hello");
12 case '3': System.out.println("Hello");
13 break;
14 }
15 }
16 }
17 }
```

Choose the most appropriate option.

Options	Response	Answer
"Hello" will be displayed once		
"Hello" will be displayed 3 times	✓	✓
Compilation error: Invalid use of 'switch' statement		
"Hello" will be displayed 2 times		

## Question 7:

Time: 34 Sec

Marks: 1 / 1

Which of the following is a VALID declaration of an abstract method? Choose the most appropriate option.

Options	Response	Answer
public void drive();		
public abstract void drive();	✓	✓
public abstract void drive() {}		
public abstract drive(){} 8723		

**Question 8:**

Time: 1 Min 21 Sec

Marks: 1/ 1

Consider the following code snippet and predict the output:

```
1 public interface I
2 {
3 int x; //Line-1
4 public void display();
5 }
6 public class C implements I //Line-2
7 {
8 public void display()
9 {
10 System.out.println("Hello");
11 }
12 }
13 public class TestInterface{
14 public static void main(String[] args)
15 {
16 I i=new C(); //Line-3
17 i.display();
18 }
19 }
20 }
```

Choose the most appropriate option.

Options	Response	Answer
Compilation error at Line-1 : The blank final field 'x' may not have been initialized		✓
Compilation error at Line-2 : class C cannot implement interface I		
Compilation error at Line-3 : Cannot have a reference of interface type I		
It will print : Hello		

**Question 9:**

Time: 56 Sec

Marks: 1/ 1

What will be the output of the following Java code?

```
1 public abstract class Employee
2 {
3 public abstract Employee()
4 {
5 System.out.print(" 1 ");
6 }
7 }
8 public class ProjectManager extends Employee
9 {
10 public ProjectManager()
11 {
12 System.out.print(" 2 ");
13 }
14 }
15 public class ApplicationTester
16 {
17 public static void main(String[] args)
18 {
19 Employee emp=new ProjectManager();
20 }
21 }
22 }
```

Choose the most appropriate option.

Options	Response	Answer
2		
Compilation Error: Illegal modifier for the constructor in type Employee		✓
1		
1 2		

**Question 10:**

Time: 1 Min 7 Sec

Marks: 0/ 1

Consider the following Java code:

```
1 public class Employee
2 {
3 int empNo;
4 public void setEmpNo(int num)
5 {
6 this.empNo=num;
7 }
8 public int getEmpNo()
9 {
10 return this.empNo;
11 }
12 }
13 }
```

With respect to Employee class identify where empNo and num are stored in the memory? Choose the most appropriate option.

Options	Response	Answer
empNo' and 'num' both are stored in heap	✓	
empNo' and 'num' both are stored in stack		
'empNo' is stored in heap and 'num' is stored in stack		✓
empNo' is stored in stack and 'num' is stored in heap		

**Question 11:**

Time: 1 Min 9 Sec

Marks: 0/ 1

# Shout4Education

Refer to the below code and predict the output.

```
1 public class Test
2 {
3 public static void main(String[] args)
4 {
5 String x=new String("xyz");
6 String y="abc";
7 x=x+y;
8 }
9 }
10
```

How many String objects are created in the above code? Choose the most appropriate option

Options	Response	Answer
2		
3		
1	✓	
4		

## Question 12:

Time: 2 Min 13 Sec

Marks: 1/ 1

What is the output expected for the below code ?

```
1 public class ConstructorTest
2 {
3 private ConstructorTest(int w)
4 {
5 System.out.println(w);
6 }
7 public static ConstructorTest() { //Line-6
8 System.out.println(10);
9 }
10 public static void main(String args[])
11 {
12 ConstructorTest obj=new ConstructorTest(50);
13 }
14 }
```

Choose most appropriate option.

Options	Response	Answer
10		
10 50		
50		
Won't compile because of Line-6, constructor can't be static	✓	✓

**Question 13:**

Time: 1 Min 46 Sec

Marks: 1/ 1

You have three packages, p1,p2 and p3, What is the expected output of compiling and running file Tester in p3 package?

```
1 package p1;
2 public class Account
3 {
4 protected Account() { //line3
5 System.out.println("Account");
6 }
7 }
8 package p2;
9 import p1.Account;
10 public class CurrentAccount extends Account
11 {
12 public CurrentAccount()
13 {
14 System.out.println("CurrentAccount");
15 }
16 }
17 package p3;
18 import p1.Account;
19 import p2.CurrentAccount; //line3
20 public class Tester
21 {
22 public static void main(String[] args)
23 {
24 Account c=new Account(); //line6
25 CurrentAccount ca=new CurrentAccount();
26 }
27 }
28 }
```

Choose most appropriate option.

Options	Response	Answer
Account CurrentAccount		
Compilation error at line3 in package p1: Invalid access specifier 'protected' for 'Account'		
Compilation error at line3 in package p3: Cannot import 'CurrentAccount' class		
Compilation error at line6 in package p3: Constructor 'Account' is not visible	✓	✓

**Question 14:**

Time: 30 Sec

Marks: 1/ 1

Consider the following Java code:

```
1 public class Student
2 {
3 private String name;
4 private int rollNumber;
5 //getterandsettermethods
6 }
7 public class Faculty
8 {
9 private String name;
10 private Student student;
11 public void setStudent(Student student)
12 {
13 this.student=student;
14 }
15 }
16 }
```

Identify the relationship that exists between class Student and class Faculty. Choose the most appropriate option.

Options	Response	Answer
Composition		
Inheritance		
There is no relationship between the given two classes		
Aggregation	✓	✓

**Question 15:**

Time: 1 Min 8 Sec

Marks: 1/ 1

Consider the following Java code:

```
1 public class ApplicationTester
2 {
3 public static void main(String[] args)
4 {
5 int i=1;
6 while(i<=5)
7 {
8 if(i==2)
9 {
10 i++;
11 continue;
12 }
13 if(i==3)
14 {
15 break;
16 }
17 i++;
18 System.out.println("Hello");
19 }
20 }
21 }
22 }
```

When the above code is executed, how many time/times "Hello" will be printed on the console? Choose the most appropriate option.

Options	Response	Answer
1 time	✓	✓
2 times		
3 times		
5 times		

**Question 16:**

Time: 34 Sec

Marks: 1/ 1

Refer to the below code and predict the output

```
1 interface A
2 {
3 public void method1();
4 }
5 class Demo implements A
6 {
7 public void method1()
8 {
9 System.out.println("1");
10 }
11 }
12 class ParentTest extends Demo
13 {
14 public void method1()
15 {
16 System.out.println("2");
17 }
18 }
19 public class Test extends ParentTest
20 {
21 public static void main(String[] args)
22 {
23 A a=new ParentTest();
24 a.method1();
25 }
26 }
27 }
```

Choose the most appropriate Option:

Options	Response	Answer
2	✓	✓
1		
1,2		
2,1		

## Question 17:

Time: 43 Sec

Marks: 1 / 1

Consider the Java code given below and predict what will be the output?

```
1 package x;
2 public class Student
3 {
4 void display(){ //Line-1
5 System.out.println("Hello");
6 }
7 }
8 package y;
9 import x.Student;//Line-2
10 public class TestFinalClass
11 {
12 public static void main(String[] args)
13 {
14 Student s=new Student();
15 s.display(); //Line-3
16 }
17 }
18 }
```

Choose the most appropriate option.

Options	Response	Answer
Compilation error at Line-3 : The method display from type Student is not visible	✓	✓
Compilation error at Line-2 : Cannot import class Student from package x		
It will print Hello		
Compilation error at Line-1 : No access specifier defined for method display		

**Question 18:**

Time: 1 Min 2 Sec

Marks: 1/ 1

Consider the following Java code (Assume that Employee is a valid Java class):

```
1 public class ApplicationTester{
2 public static void main(String[] args)
3 {
4 Employee emp1=newEmployee();
5 Employee emp2=newEmployee();
6 Employee emp3=newEmployee();
7 Employee emp4=emp1;
8 emp1=emp3;
9 emp4=null;
10 emp2=emp4; //Line-1
11 //some valid Java code
12 }
13}
14
```

With respect to the above code, how many object/objects will be eligible for garbage collection after Line-1? Choose the most appropriate option.

Options	Response	Answer
1		
2	✓	✓
3		
0		

**Question 19:**

Time: 38 Sec

Marks: 1/ 1

# Shout4Education

Refer to the below code and predict the output.

```
1 public class Test
2 {
3 public static void main(String[] args)
4 {
5 int i=10;
6 boolean b=false;
7 if((b==true) && ((i+=10)==20))
8 {
9 System.out.println("We are equal "+i);
10 }
11 else
12 {
13 System.out.println("Not equal! "+i);
14 }
15 }
16}
17
```

Choose the most appropriate option

Options	Response	Answer
Not equal! 10	✓	✓
We are equal! 10		
Not equal! 20		
We are equal! 20		

## Question 20:

Time: 35 Sec

Marks: 1/ 1

What is output obtained on executing the following Java code?

```
1 package pack1;
2 public class A
3 {
4 private int i;
5 private int j;
6 protected A()
7 {
8 i=10;
9 j=20;
10 }
11 public int getI()
12 {
13 return i;
14 }
15 public void setI(int i)
16 {
17 this.i=i;
18 }
19 public int getJ()
20 {
21 return j;
22 }
23 public void setJ(int j)
24 {
25 this.j=j;
26 }
27 public void disp()
28 {
29 System.out.println(i+" "+j);
30 }
31}
32 package pack2;
33 import pack1.A;
34 public class B extends A
35 {
36 public B()
37 {
38 //line1
39 }
40 void display()
41 {
42 }
43 }
44 package pack2;
45 import pack1.A;
46 public class MyMain
47 {
48 public static void main(String[] args)
49 {
50 A obj1=new B();
51 obj1.setI(30);
52 obj1.setJ(40);
53 A obj2=obj1;
54 obj2.setI(50);
55 obj1.disp();
56 obj2.disp();
57 }
58 }
59 }
60 }
```

Choose most appropriate option.

Options	Response	Answer
30 40 50 40		
50 40 50 40	✓	✓
Compilation error in line 1: Implicit super constructor A() is not visible. Must explicitly invoke another constructor		
30 40 50 20		

**Question 21:**

Time: 17 Sec

Marks: 1/ 1

What will be the output of the following Java code?

```
1 public class ApplicationTester
2 {
3 public static void main(String[] args)
4 {
5 for(int i=1;i<=3;i++)
6 {
7 if(i==2)
8 {
9 continue;
10 }
11 for(int j=1;j<=3;j++)
12 {
13 if(j==2)
14 {
15 continue;
16 }
17 System.out.println("GFT");
18 }
19 }
20 }
21 }
```

Choose the most appropriate option.

Options	Response	Answer
"GFT" will be displayed 9 times		
"GFT" will be displayed 8 times		
"GFT" will be displayed 6 times		
"GFT" will be displayed 4 times	✓	✓

**Question 22:**

Time: 37 Sec

Marks: 0/ 1

Consider the following Java code:

```
1 package myPackage;
2 public class Employee
3 {
4 private int empNo;
5 private double salary;
6 //getter and setter methods
7 void computeSalary()
8 {
9 //logic to compute salary
10 }
11 }
12
13 package myPackage;
14 public class PackageTester
15 {
16 public static void main(String[] args)
17 {
18 Employee emp=new Employee();
19 //valid Java code
20 emp.computeSalary(); //Line-1
21 }
22 }
23 }
```

What access specifier can be used for computeSalary() method in Employee class, so that code in Line-1 will execute without any error? Choose the most appropriate option.

# Shout4Education

Options	Response	Answer
Only public	✓	
Only private		
Either public or protected or default		✓
Only default		

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PapoulisCareerGuide

**Started on** Friday, 19 June 2020, 5:07 PM

**State** Finished

**Completed on** Friday, 19 June 2020, 6:04 PM

**Time taken** 57 mins 5 secs

**Grade** 43.00 out of 50.00 (86%)

### Question 1

Correct

Mark 1.00 out of 1.00

What is the approach of OO ?

Select one:

- a. bundle data only for security
- b. bundle data and method ✓
- c. bundle method seperated from data
- d. bundle data separated from method

The correct answer is: bundle data and method

### Question 2

Correct

Mark 1.00 out of 1.00

What is the term used to define the values that are common across all instances of a class ?

Select one:

- a. Static ✓
- b. Property
- c. Interface
- d. Attribute

The correct answer is: Static

### Question 3

Correct

Mark 1.00 out of 1.00

Select the benefits of OOP ?

Select one or more:

- a. Resuability ✓
- b. Testing
- c. code deployment
- d. Ease of design ✓

The correct answers are: Ease of design, Resuability

### Question 4

Correct

Mark 1.00 out of 1.00

Which of the below terms represents the levels of hierarchy ?

Select one or more:

- a. Multi-Level
- b. Generalization ✓
- c. Aggregation ✓
- d. Compound

The correct answers are: Generalization, Aggregation

**Question  
5**

Not answered  
Marked out of  
1.00

Select the true statements about Use Case diagram ?

Select one or more:

- a. Depicts the boundary of the system
- b. Captures users of the system
- c. Captures attributes and methods
- d. Captures dynamic aspects of the system

The correct answers are: Depicts the boundary of the system, Captures users of the system, Captures dynamic aspects of the system

**Question  
6**

Incorrect  
Mark 0.00 out of  
1.00

Select the principle that best describes the given scenario. An air-condition can be operated using the button or remote control.

Select one:

- a. Encapsulation
- b. Polymorphism
- c. Hierarchy
- d. Abstraction ✗

The correct answer is: Encapsulation

**Question  
7**

Correct  
Mark 1.00 out of  
1.00

\_\_\_\_\_ is not the exact code for solving the problem but it would give us an idea of how the problem is going to be solved.

Select one:

- a. object code
- b. Pseudocode ✓
- c. Structure code
- d. Programming code

Your answer is correct.

The correct answer is: Pseudocode

**Question  
8**

Correct  
Mark 1.00 out of  
1.00

State true or false.

Configuration management is important only during the coding phase

Select one:

- True
- False ✓

The correct answer is 'False'.

**Question  
9**

Correct  
Mark 1.00 out of  
1.00

Enhancements made to the developed software is called as .....

Select one:

- a. Design
- b. Testing



The correct answer is: Maintenance

### Question 10

Correct

Mark 1.00 out of 1.00

State true or false. Black box testers can proceed with generating the test cases immediately after the SRS is freezed in the analysis phase

Select one:

- True ✓
- False

The correct answer is 'True'.

### Question 11

Incorrect

Mark 0.00 out of 1.00

ERD Example: Consider the given scenario. ZEE public school Library. A Library has many books. Each Book has many chapters. Identify the cardinality between Chapter and Book

Select one:

- a. m..1
- b. 0..0
- c. m..m ✗
- d. 0..m

The correct answer is: m..1

### Question 12

Correct

Mark 1.00 out of 1.00

A Software needs to be developed for a Sterlin Hospital to monitor the radiations given for cancer patients. Even a very minute deviation would result in the risk of the life of the patient. Which would be the appropriate life cycle model used to implement the given scenario

Select one:

- a. Agile
- b. Prototyping
- c. Water fall
- d. Spiral ✓

The correct answer is: Spiral

### Question 13

Correct

Mark 1.00 out of 1.00

Which of the following is not a feature of UNIX?

Select one:

- a. Multiuser
- b. Portability
- c. Multitasking
- d. User friendly ✓

The correct answer is: User friendly

### Question 14

Unix Terminals are called Dummy terminals as they do not have \_\_\_\_\_ capability.

Select one:



- b. Input
- c. Processing ✓
- d. Display

The correct answer is: Processing

### Question 15

Correct

Mark 1.00 out of 1.00

Consider the sample.txt file and predict the output

Unix is an operating system.

Unix is open source.

Linux is also a powerful OS.

What is the output of grep -c "Unix" sample.txt command?

Select one:

- a. 0
- b. 3
- c. 2 ✓
- d. 4

The correct answer is: 2

### Question 16

Correct

Mark 1.00 out of 1.00

What does the below Unix command accomplish?

\$ sed 's/ABC/ZYX/' file.txt

Select one:

- a. Only matches and displays the occurrence of the pattern
- b. Replaces only first occurrence of 'ABC' with 'ZYX'
- c. Replaces all occurrences 'ABC' with 'ZYX'
- d. Replaces first occurrence in every line 'ABC' with 'ZYX' ✓

The correct answer is: Replaces first occurrence in every line 'ABC' with 'ZYX'

### Question 17

Correct

Mark 1.00 out of 1.00

Which of the following should be used to print lines containing 'manager' in emp.lst?

Select one:

- a. awk 'manager { print }' emp.lst
- b. awk '/manager { print }' emp.lst
- c. awk '/manager/ { print }' emp.lst ✓
- d. awk '/manager/ { print }' emp.lst

The correct answer is: awk '/manager/ { print }' emp.lst

### Question 18

Correct

Mark 1.00 out of 1.00

which of the following option can be used ,in order to quit vi editor without saving the work done ?

Select one:

- a. :q! ✓
- b. :w
- c. :q
-

The correct answer is: :q!

## Question 19

Correct

Mark 1.00 out of 1.00

What does DTD stand for?

Select one:

- a. Direct Type Definition
- b. Dynamic Type Definition
- c. Document Type Definition ✓
- d. Dynamic Transfer Definition

The correct answer is: Document Type Definition

## Question 20

Correct

Mark 1.00 out of 1.00

Which of the following fragments of XML are well-formed

Select one:

- a. <?xml?>
- b. <?xml encoding="Master"?>
- c. <?xml encoding="JIS" version="File1"?>
- d. <?xml version="1.0"?> ✓

The correct answer is: <?xml version="1.0"?>

## Question 21

Correct

Mark 1.00 out of 1.00

Which of the following xml prolog is according to syntax of XML

Select one:

- a. <?xml version="1.0" encoding="UTF-18"?>
- b. <?xml version="1.0" encoding="UTF-8"?> ✓
- c. <?xml version="1.0" version="UTF-8"?>
- d. <?xml version="1.0" encoding="UTF-8">

The correct answer is: <?xml version="1.0" encoding="UTF-8"?>

## Question 22

Correct

Mark 1.00 out of 1.00

Identify the well-formed XML code

Select one:

- a. <bookstore>  
    <book category="children">  
        <title>Harry Potter</title>  
        <author>J K. Rowling</author>  
        <year>2005</year>  
        <price>29.99 </book>  
    </bookstore>
- b. <bookstore>  
    <book category="children">  
        <title>Harry Potter</title>  
        <author>J K. Rowling</author>  
        <year>2005</year>  
        <price>29.99</price>  
    </book>  
  </bookstore> ✓

```
<title>Harry Potter</title>
<author>J K. Rowling</author>
<year>2005</year>
<price>29.99</price>
</book>
</bookstore>
```

- d. <bookstore>  
    <book category="children">  
        <title>Harry Potter</title>  
        <author>J K. Rowling</author>  
        <year>2005</year>  
        <price>29.99</price>  
    </book>  
</bookstore>

The correct answer is: <bookstore>

```
<book category="children">
<title>Harry Potter</title>
<author>J K. Rowling</author>
<year>2005</year>
<price>29.99</price>
</book>
</bookstore>
```

### Question 23

Correct

Mark 1.00 out of  
1.00

Consider the Java code given below. How many times "Hello " will be printed when the code is executed?

```
public class ApplicationTester
{
 public static void main(String[] args)
 {
 int i = 0;
 do
 {
 System.out.println("Hello");
 i++;
 } while(i <= 1);
 }
}
```

Choose the most appropriate option.

Select one:

- a. Nothing will be printed  
 b. 2 times ✓  
 c. 3 times  
 d. 1 time

The correct answer is: 2 times

### Question 24

Correct

Mark 1.00 out of  
1.00

which of the following represents correct order from the most to least restrictive? Choose most appropriate option.

Select one:

- a. private,default,protected,public ✓  
 b. private,protected,default,public  
 c. protected,private,default,public  
 d. public,protected,default,private

The correct answer is: private,default,protected,public

### Question

Consider the Java code given below. How many times "Accenture" will be printed when the code is executed?

Correct  
Mark 1.00 out of  
1.00

```
public static void main(String[] args)
{
 for(int i=0; i < 5; i++)
 {
 System.out.println("Accenture");
 i++;
 }
}
```

Choose the most appropriate option.

Select one:

- a. 2 times
- b. 3 times ✓
- c. 1 time
- d. 4 times

The correct answer is: 3 times

## Question 26

Correct  
Mark 1.00 out of  
1.00

What will be the output of the following Java code?

```
public class Vehicle
{
 protected String enginePower;
 public Vehicle()
 {
 this.enginePower = "100CC";
 }
 public String getEnginePower()
 {
 return this.enginePower;
 }
}
public class PassengerVehicle extends Vehicle
{
private int capacity;
public PassengerVehicle()
{
this.capacity = 50;
this.enginePower = "150CC";
}
public int getCapacity()
{
return this.capacity;
}
}
public class ApplicationTester
{
 public static void main(String[] args)
 {
 Vehicle vehicle = new PassengerVehicle();
 System.out.println(vehicle.getEnginePower());
 }
}
```

Choose the most appropriate option.

Select one:

- a. 100CC
- b. null
- c. 100CC150CC
- d. 150CC ✓

The correct answer is: 150CC

## Question 27

What will be the output of the following Java code?

Mark 1.00 out of 1.00

```

static
{
 MyClass.count = 100;
 //Line-1
 int count = 100;
 //Line-2
}
public MyClass()
{
 count++ ;
}
public static int getCount()
{
 return count;
}
public class StaticTester
{
 public static void main(String[] args)
 {
 MyClass ref1 = new MyClass();
 MyClass ref2 = new MyClass();
 System.out.println(ref1.getCount());
 }
}

```

Choose the most appropriate option.

Select one:

- a. 2
- b. 102 ✓
- c. Compilation error at Line-2: Duplicate variable 'count'
- d. Compilation error at Line-1: Invalid variable reference 'MyClass.count'

The correct answer is: 102

**Question 28**

Correct

Mark 1.00 out of 1.00

Which of the following statement/statements is/are FALSE?

- (i) 'package' statement can appear anywhere in the Java code
- (ii) In a Java code, one can write only one 'import' statement

Choose the most appropriate option.

Select one:

- a. Both (i) and (ii) are TRUE
- b. Only (i) is FALSE
- c. Both (i) and (ii) are FALSE ✓
- d. Only (ii) is FALSE

The correct answer is: Both (i) and (ii) are FALSE

**Question 29**

Correct

Mark 1.00 out of 1.00

What will be the output of the following Java code?

```

public class ApplicationTester
{
 public static void main(String[] args)
 {
 int[] array = {-9,-11-8,-100,-78};
 int minimum = 0;
 for(int index=0; index < array.length; index++)
 {
 if(minimum < array[index])
 { minimum = array[index];
 }
 }
 System.out.println(minimum);
 }
}

```



Choose the most appropriate option.

Select one:

- a. -100
- b. null
- c. 0 ✓
- d. -8

The correct answer is: 0

### Question 30

Correct

Mark 1.00 out of 1.00

What will be the output of the following Java code?

```
public class ApplicationTester {
 public static void main(String[] args) {
 int [] array1 = {10,20,30,40,50};
 int [] array2 = array1;
 for(int index1=0,index2=3; index2<array2.length&&index1<array1.length; index1++,++index2)
 {
 array1[index1]++;
 System.out.print(array2[index2]+ " ");
 }
 }
}
```

Select one:

- a. 41 51
- b. Array Index Out Of Bounds Exception
- c. 0 0
- d. 40 50 ✓

The correct answer is: 40 50

### Question 31

Correct

Mark 1.00 out of 1.00

What will be the output of the following Java code?

```
public class ApplicationTester
{
 public static void main(String[] args)
 {
 for(int i=0; i<=10; i++)
 {
 if(i>6)
 break;
 System.out.println(i); //Line-1
 }
 }
}
```

Choose most appropriate option.

Select one:

- a. null
- b. 5
- c. Compilation error at Line-1: i cannot be resolved to a variable ✓
- d. 6



The correct answer is. Compilation error at Line-1. i cannot be resolved to a variable

## Question 32

Correct

Mark 1.00 out of 1.00

The employee tables contains EmployeeId,EmployeeName and DeptCode Columns. Which is the CORRECT SQL query to display the EmployeeId and EmployeeName of employees who are working in DeptCode 10 OR 20?

- (i) SELECT EmployeeId,EmployeeName FROM Employee WHERE DeptCode IN (10,20);
  - (ii) SELECT EmployeeId,EmployeeName FROM Employee WHERE DeptCode = 10 OR DeptCode = 20;
- Choose most appropriate option.

Select one:

- a. Only (i)
- b. Neither (i) nor (ii)
- c. Both (i) and (ii) ✓
- d. Only (ii)

The correct answer is: Both (i) and (ii)

## Question 33

Correct

Mark 1.00 out of 1.00

Consider the following tables:

Vendor (VendorId, VendorName, PhoneNumber).

Here VendorId is the primary key.

Item (ItemCode, UnitPrice, QuantityOnHand, VendorId)

Here ItemCode is the primary key and VendorId is the foreign key referencing the VendorId in Vendor Table.

Which is the CORRECT SQL query to display ItemCode, UnitPrice, VendorName for all Items. It should also display the details of the Item which is not having any vendor?

Choose most appropriate option

Select one:

- a. SELECT Item.ItemCode,Item.UnitPrice,Vendor.VendorName FROM Item, Vendor WHERE Item.VendorId = Vendor.VendorId;
- b. SELECT Item.ItemCode,Item.UnitPrice,Vendor.VendorName FROM Item LEFT OUTER JOIN Vendor ON Item.VendorId = Vendor.VendorId; ✓
- c. SELECT Item.ItemCode,Item.UnitPrice,Vendor.VendorName FROM Item INNER JOIN Vendor ON Item.VendorId = Vendor.VendorId;
- d. SELECT Item.ItemCode,Item.UnitPrice,Vendor.VendorName FROM Item INNER JOIN Vendor ON Item.VendorId = Vendor.VendorId AND Item.VendorId IS NULL;

The correct answer is: SELECT Item.ItemCode,Item.UnitPrice,Vendor.VendorName FROM Item LEFT OUTER JOIN Vendor ON Item.VendorId = Vendor.VendorId;

## Question 34

Correct

Mark 1.00 out of 1.00

Identify the CORRECT SQL statement(s) to remove ONLY the data from "Employee" table?

- (i) DROP TABLE Employee;
- (ii) DELETE FROM Employee;
- (iii) TRUNCATE TABLE Employee;

Choose most appropriate option.

Select one:

- a. (i), (ii) and (iii)
- b. Both (i) and (ii)
- c. Both (ii) and (iii) ✓
- d. Both (i) and (iii)

**Question  
35**

Correct

Mark 1.00 out of 1.00

The following statement is True/False?

Is it mandatory for foreign key column to have the same data type of primary key in case of writing the query of join to fetch data from multiple tables.

Select one:

- a. False
- b. True ✓

The correct answer is: True

**Question  
36**

Correct

Mark 1.00 out of 1.00

Consider the following tables:

Vendor (VendorId, VendorName, PhoneNumber). Here VendorId is the primary key.

Item (ItemCode, UnitPrice, QuantityOnHand, VendorId) Here ItemCode is the primary key and VendorId is the foreign key referencing the VendorId in Vendor Table.

Which is the CORRECT SQL query to display ItemCode, UnitPrice, VendorName for all Items. It should also display the details of the Item which is not having any vendor?

Choose most appropriate option

Select one:

- a. SELECT Item.ItemCode,Item.UnitPrice,Vendor.VendorName FROM Item INNER JOIN Vendor ON Item.VendorId = Vendor.VendorId;
- b. SELECT Item.ItemCode,Item.UnitPrice,Vendor.VendorName FROM Item INNER JOIN Vendor ON Item.VendorId = Vendor.VendorId AND Item.VendorId IS NULL;
- c. SELECT Item.ItemCode,Item.UnitPrice,Vendor.VendorName FROM Item, Vendor WHERE Item.VendorId = Vendor.VendorId;
- d. SELECT Item.ItemCode,Item.UnitPrice,Vendor.VendorName FROM Item LEFT OUTER JOIN Vendor ON Item.VendorId = Vendor.VendorId; ✓

Your answer is correct.

The correct answer is: SELECT Item.ItemCode,Item.UnitPrice,Vendor.VendorName FROM Item LEFT OUTER JOIN Vendor ON Item.VendorId = Vendor.VendorId;

**Question  
37**

Incorrect

Mark 0.00 out of 1.00

Identify the CORRECT SQL statement to create a Account table with composite primary key (AccountNumber, CustomerId).

Choose most appropriate option

Select one:

- a. CREATE TABLE Account (AccountNumber Number(5), CustomerId Number(10), OpeningDate Date, Balance Number(10,2), CONSTRAINT Acc\_Pkey COMPOSITE PRIMARY KEY (AccountNumber,CustomerId)); ✗
- b. CREATE TABLE Account (AccountNumber Number(5) CONSTRAINT Acc\_Pkey1 PRIMARY KEY, CustomerId Number(10) CONSTRAINT Acc\_Pkey2 PRIMARY KEY, OpeningDate Date, Balance Number(10,2));
- c. CREATE TABLE Account (AccountNumber Number(5), CustomerId Number(10) CONSTRAINT Acc\_Pkey2 PRIMARY KEY (AccountNumber,CustomerId), OpeningDate Date, Balance Number(10,2));
- d. CREATE TABLE Account (AccountNumber Number(5), CustomerId Number(10), OpeningDate Date, Balance Number(10,2), CONSTRAINT Acc\_Pkey PRIMARY KEY (AccountNumber,CustomerId));

Your answer is incorrect.

The correct answer is: CREATE TABLE Account (AccountNumber Number(5), CustomerId Number(10), OpeningDate Date, Balance Number(10,2), CONSTRAINT Acc\_Pkey PRIMARY KEY (AccountNumber,CustomerId));

**Question  
38**

Assume abc.html is existing and a valid HTML page. Refer the code below:

```
<form action="abc.html">
First Name: <input type="text"/>

```



```
<input type="submit" value="Submit"/>
</form>
```

How many HTML controls will be displayed on the browser, when the above page is run on browser? Choose most appropriate option

Select one:

- a. 3 ✓
- b. 4
- c. 5
- d. 7

The correct answer is: 3

### Question 39

Incorrect

Mark 0.00 out of 1.00

Which of the following CSS code is the correct one to apply style to tag 'p'? Choose most appropriate option.

Select one:

- a. p { color:red; text-align:center; }
- b. p { color:red; text-align:center; }
- c. p { color=red; text-align=center; } ✗
- d. p { color:red; text-align:center; }

Your answer is incorrect.

The correct answer is: p { color:red; text-align:center; }

### Question 40

Correct

Mark 1.00 out of 1.00

In HTML, Which of the following is used to merge columns in a table? Choose most appropriate option.

Select one:

- a. colspan
- b. cspan
- c. colspan ✓
- d. columns-span

The correct answer is: colspan

### Question 41

Correct

Mark 1.00 out of 1.00

Identify the CORRECT HTML code to define the state of the hyperlink. The requirement is to display the hyperlink "Click" in RED color if user has already visited "https://portal.accenture.com". Choose most appropriate option.

Select one:

- a. <html>
 <body>
 <a href="https://portal.accenture.com/" link="red"> Click </a>
 </body>
 </html>
- b. <html>
 <body vlink="red" >
 <a href="https://portal.accenture.com/">Click </a>
 </body>
 </html> ✓
- c. <html>
 <body link="red" >
 <a href="https://portal.accenture.com/"> Click </a>
 </body>
 </html>



```
 Click
</body>
</html>
```

The correct answer is: <html>

```
<body vlink="red" >
Click
</body>
</html>
```

## Question 42

Correct

Mark 1.00 out of 1.00

Which method is used to remove focus from the specified object? Choose most appropriate option.

Select one:

- a. onclick()
- b. onfocus()
- c. onblur() ✓
- d. onsubmit()

The correct answer is: onblur()

## Question 43

Correct

Mark 1.00 out of 1.00

Consider the HTML code given below.

```
<html>
<head>
<script>
var key=10;
function add(){
 var key=20;
 window.key=key+1;
 document.write(key);
 document.write(" ");
 print();
}
function print(){
 document.write(key);
}
</script>
</head>
<body>
<form>
<input type="s
```

Select one:

- a. 21 21
- b. 20 21 ✓
- c. 11 11
- d. 11 10

Your answer is correct.

The correct answer is: 20 21

**44**

Correct

Mark 1.00 out of  
1.00**SPOT THE ERROR.**

Observe the below algorithm to find the average of three numbers.

Step1: Start

Step2: Get num1, num2, num3

Step3: Add num1, num2, num3 and store it in Sum

Step4: Average=sum%3

Step5: Display Sum and Average

Step6: Stop

**Identify the incorrect step(if any)**

Select one:

- a. No error
- b. Step 4 ✓
- c. Step 5
- d. Step 2

Your answer is correct.

The correct answer is: Step 4

**Question  
45**

Correct

Mark 1.00 out of  
1.00

Order the range of coupling from high to low

- a. control coupling
- b. stamp coupling
- c. content coupling
- d. uncoupled
- e. common coupling
- f. data coupling

Select one:

- a.  
c , e , a, b, f, d ✓
- b.  
d, c , e , a, b, f
- c.  
c , a, b, f, e, d
- d.  
c , e , a, f , b, d

Your answer is correct.

The correct answer is:

c , e , a, b, f, d

**Question  
46**

Correct

Mark 1.00 out of  
1.00

Carefully read the question and answer accordingly. What operation is processed for each element in the list

Select one:

- a. Merging
- b. Inserting
- c. Traversal ✓
- d. Sorting

## Question 47

Correct

Mark 1.00 out of 1.00

Carefully read the question and answer accordingly. Which data structure is said to be linear data structure?

Select one:

- a. Graphs
- b. None of the listed options
- c. Tree
- d. Arrays ✓

The correct answer is: Arrays

## Question 48

Correct

Mark 1.00 out of 1.00

Time complexity of an algorithm signifies the total time required by the algorithm to complete its execution with provided resources. State True or False.

Select one:

- True ✓
- False

The correct answer is 'True'.

## Question 49

Not answered

Marked out of 1.00

What is the time complexity of find\_count()?

```
int find_count(int i)
{
 int c=0;
 for(int m=0;m<i;m++)
 for(int n=m;n>0;n--)
 c=c+1;
 return c;
}
```

Select one:

- a. theta(nlognlogn)
- b. theta(n)
- c. theta(n<sup>2</sup>)
- d. theta(n\*logn)

The correct answer is: theta(n<sup>2</sup>)

## Question 50

Not answered

Marked out of 1.00

What is the time complexity of these functions?

```
int fact(int i)
{
 if(i<=1)
 return i;
 return 2*fact(i-1);
}

int fact2(int i)
{
 if(i<=1)
 return i;
```

Select one:

- a.  $O(2^n)$  for both fact() and fact2()
- b.  $O(n)$  for fact() and  $O(2^n)$  for fact2()
- c.  $O(n)$  for both fact() and fact2()
- d.  $O(2^n)$  for fact() and  $O(n)$  for fact2()

The correct answer is:  $O(n)$  for fact() and  $O(2^n)$  for fact2()

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### Question 1

Correct

Mark 1 out of 1

Consider the table Student(StudentId, StudentName, Email, PercentageOfMarks). Which is the CORRECT query to display the details in the ascending order (lowest to highest) of PercentageOfMarks and in the descending order of StudentId in case PercentageOfMarks is the same. Choose most appropriate option

Select one:

- a. SELECT StudentId, StudentName, Email, PercentageOfmarks FROM Student ORDER BY PercentageOfMarks DESC, StudentId DESC;
- b. SELECT StudentId, StudentName, Email, PercentageOfmarks FROM Student ORDER BY PercentageOfMarks DESC, StudentId;
- c. SELECT StudentId, StudentName, Email, PercentageOfmarks FROM Student ORDER BY PercentageOfMarks, StudentId DESC; ✓
- d. SELECT StudentId, StudentName, Email, PercentageOfmarks FROM Student ORDER BY StudentId DESC, PercentageOfMarks;

The correct answer is: SELECT StudentId, StudentName, Email, PercentageOfmarks FROM Student ORDER BY PercentageOfMarks, StudentId DESC;

### Question 2

Correct

Mark 1 out of 1

Which is the CORRECT SQL statement to add the new column "DateOfJoining" to an existing table "Employee"? Choose most appropriate option.

Select one:

- a. CREATE TABLE Employee ADD DateOfJoining DATE;
- b. ALTER TABLE Employee MODIFY DateOfJoining DATE;
- c. ALTER TABLE Employee UPDATE DateOfJoining DATE;
- d. ALTER TABLE Employee ADD DateOfJoining DATE; ✓

The correct answer is: ALTER TABLE Employee ADD DateOfJoining DATE;

### Question 3

Incorrect

Mark 0 out of 1

Which of the following statement(s) is/are TRUE?

- (i) In a non-correlated(independent) subquery, the subquery is always executed only once.
  - (ii) In a non-correlated(independent) subquery, the inner query (sub query) references the column from the outer query (main query).
- Choose most appropriate option

Select one:

- a. Neither (i) nor (ii)
- b. Only (ii)
- c. Both (i) and (ii) ✗
- d. Only (i)

The correct answer is: Only (i)



Incorrect

Mark 0 out of 1

Choose most appropriate option.

Select one:

- a. SELECT EmployeeName FROM Employee WHERE EmployeeName LIKE 'A%e'; ✗
- b. SELECT EmployeeName FROM Employee WHERE EmployeeName LIKE '\_e';
- c. SELECT EmployeeName FROM Employee WHERE EmployeeName = 'A\_e';
- d. SELECT EmployeeName FROM Employee WHERE EmployeeName LIKE 'A\_e';

The correct answer is: SELECT EmployeeName FROM Employee WHERE EmployeeName LIKE 'A\_e';

## Question 5

Correct

Mark 1 out of 1

Which of the following is CORRECT about DELETE command?

- a) It can delete single or multiple columns from a table
- b) It can delete single or multiple records from a table
- c) Records deleted can be roll backed.

Choose most appropriate option.

Select one:

- a. b and c ✓
- b. a and c
- c. a and b
- d. a only

The correct answer is: b and c

## Question 6

Correct

Mark 1 out of 1

What is the SQL query for finding the total number of rows in a given table 'emp'? Choose most appropriate option.

Select one:

- a. SELECT SUM(\*) FROM EMP;
- b. SELECT COUNT FROM EMP;
- c. SELECT SUM FROM EMP;
- d. SELECT COUNT(\*) FROM EMP; ✓

The correct answer is: SELECT COUNT(\*) FROM EMP;

## Question 7

Correct

Mark 1 out of 1

Which of the following SQL commands is used to remove table "EMPLOYEE" present in the database? Choose most appropriate option.

Select one:

- a. TRUNCATE TABLE EMPLOYEE;
- b. DROP TABLE EMPLOYEE; ✓
- c. REMOVE TABLE EMPLOYEE;
- d. DELETE TABLE EMPLOYEE;

The correct answer is: DROP TABLE EMPLOYEE;

## Question 8

Correct

Mark 1 out of 1

Consider table Item(itemId, category, unitprice). Identify the appropriate SQL statement to display item id and discount in the ascending order of discount. [Note: Discount should be 10% of unitprice] Choose most appropriate option.

Select one:



b. select itemId, unitprice \*0.1 as discount from Item order by discount; ✓

- c. select itemId, discount from Item order by discount;
- d. select itemId, discount=unitprice\*0.1 from Item order by discount;

The correct answer is: select itemId, unitprice\*0.1 as discount from Item order by discount;

## Question 9

Correct

Mark 1 out of 1

Which of the following about DELETE command in SQL is FALSE? Choose most appropriate option.

Select one:

- a. Used for deleting a single column value in a record ✓
- b. Is a DML statement and has to be manually committed
- c. Throws constraint violation error when deleting a parent record, for which child records exists
- d. Used for deleting multiple records in a table

The correct answer is: Used for deleting a single column value in a record

## Question 10

Correct

Mark 1 out of 1

Consider the table Employee(empid, empname, designation). Identify the appropriate SQL statement to retrieve all employees whose designation is either 'S' or 'A'. Choose most appropriate option.

Select one:

- a. SELECT \* FROM Employee WHERE designation IN('S' OR 'A');
- b. SELECT \* FROM Employee WHERE designation =(S' , 'A);
- c. SELECT \* FROM Employee WHERE designation =(S' OR 'A);
- d. SELECT \* FROM Employee WHERE designation IN(S' , 'A); ✓

The correct answer is: SELECT \* FROM Employee WHERE designation IN(S' , 'A);

## Question 11

Partially correct  
Mark 1 out of 1

Assume that table Project is created using the DDL statement given below and has no records.

CREATE TABLE Project( projectId VARCHAR2(4) CONSTRAINT proj\_pk PRIMARY KEY, projectName VARCHAR2(10) DEFAULT 'NA' CONSTRAINT proj\_nn NOT NULL);

Identify the INSERT statements which would successfully insert record into Project table. Choose two most appropriate options.

Select one or more:

- a. INSERT INTO project(projectName,projectId) VALUES('NA','P4'); ✓
- b. INSERT INTO project VALUES('P1');
- c. INSERT INTO project(projectId) VALUES('P2');
- d. INSERT INTO project(projectId,projectName) VALUES('P3', Null);

The correct answers are: INSERT INTO project(projectName,projectId) VALUES('NA','P4');, INSERT INTO project(projectId) VALUES('P2');

## Question 12

Correct

Mark 1 out of 1

Given a table Projects, which of the following SQL queries will display records that contains Sub-String "SAP" anywhere in the ProjectName ? Choose most appropriate option.

Select one:

- a. SELECT \* FROM Projects WHERE ProjectName LIKE "%SAP%"; ✓
- b. SELECT \* FROM Projects WHERE ProjectName = '%SAP%';
- c. SELECT \* FROM Projects WHERE ProjectName LIKE '%SAP';

## Question 13

Incorrect

Mark 0 out of 1

The correct answer is: `SELECT * FROM Projects WHERE ProjectName LIKE "%SAP%";`

Identify the CORRECT SQL statement to create a Account table with composite primary key (AccountNumber, CustomerId). Choose most appropriate option

Select one:

- a. `CREATE TABLE Account (AccountNumber Number(5), CustomerId Number(10), OpeningDate Date, Balance Number(10,2), CONSTRAINT Acc_Pkey COMPOSITE PRIMARY KEY (AccountNumber,CustomerId));` ✗
- b. `CREATE TABLE Account (AccountNumber Number(5) CONSTRAINT Acc_Pkey1 PRIMARY KEY, CustomerId Number(10) CONSTRAINT Acc_Pkey2 PRIMARY KEY, OpeningDate Date, Balance Number(10,2));`
- c. `CREATE TABLE Account (AccountNumber Number(5), CustomerId Number(10), OpeningDate Date, Balance Number(10,2), CONSTRAINT Acc_Pkey PRIMARY KEY (AccountNumber,CustomerId));`
- d. `CREATE TABLE Account (AccountNumber Number(5), CustomerId Number(10) CONSTRAINT Acc_Pkey2 PRIMARY KEY (AccountNumber,CustomerId), OpeningDate Date, Balance Number(10,2));`

Your answer is incorrect.

The correct answer is: `CREATE TABLE Account (AccountNumber Number(5), CustomerId Number(10), OpeningDate Date, Balance Number(10,2), CONSTRAINT Acc_Pkey PRIMARY KEY (AccountNumber,CustomerId));`

## Question 14

Correct

Mark 1 out of 1

Consider the tables given below.

`Customer(customerId,customerName)`

`Book(bookId, bookName)`

`Purchase(purchaseId, bookId, customerId)`

`bookId` and `customerId` in `purchase` table are foreign keys referring to `Book` and `Customer` tables respectively.

Which is the CORRECT SQL statement to retrieve customer name and book name for all books purchased by customers.

Select one:

- a. `SELECT c.customerName,b.bookName  
FROM customer c INNER JOIN purchase p  
ON c.customerId=p.customerId  
SELF JOIN book b  
ON b.bookid=p.bookid;`
- b. `SELECT c.customerName,b.bookName  
FROM customer c INNER JOIN purchase p  
INNER JOIN book b  
ON b.bookid=p.bookid AND c.customerId=p.customerId;`
- c. `SELECT c.customerName,b.bookName  
FROM customer c INNER JOIN purchase p  
ON c.customerId=p.customerId  
INNER JOIN book b  
ON b.bookid=p.bookid; ✓`
- d. `SELECT c.customerName,b.bookName  
FROM customer c INNER JOIN purchase p  
ON c.customerId=p.customerId;`

Your answer is correct.

The correct answer is: `SELECT c.customerName,b.bookName  
FROM customer c INNER JOIN purchase p  
ON c.customerId=p.customerId  
INNER JOIN book b  
ON b.bookid=p.bookid;`

## Question 15

Consider a table with the name `Project` is created using the SQL statement given below

Mark 1 out of 1

```
projectname VARCHAR2(10) CONSTRAINT pnull NOT NULL,
employeecount NUMBER(2) DEFAULT 0);
```

Which of the following statements insert record successfully to the Project table [Choose 2]

Select one or more:

- a. INSERT INTO project(projectid,projectname) VALUES('P2','Finance'); ✓
- b. INSERT INTO project VALUES('P1','Finance');
- c. INSERT INTO project(projectid,employeecount) VALUES('P3',10);
- d. INSERT INTO project VALUES('P1','Finance',20); ✓

Your answer is correct.

The correct answers are: INSERT INTO project VALUES('P1','Finance',20);, INSERT INTO project(projectid,projectname) VALUES('P2','Finance');

## Question 16

Correct

Mark 1 out of 1

What will be the output of the following Java code?

```
public class ApplicationTester
{
 public static void main(String[] args)
 {
 int i;
 for(i = 1; i <=3; i++)
 {
 System.out.println(i);
 }
 System.out.println(i);
 }
}
```

Choose the most appropriate option.

Select one:

- a. 3 will be displayed twice on the console
- b. 4 will be displayed twice on the console ✓
- c. 1 to 3 will be displayed on the console
- d. 1 to 4 will be displayed on the console

The correct answer is: 4 will be displayed twice on the console

## Question 17

Not answered

Marked out of 1

Identify the relationship between the class Patient and class Doctor which are given below.

```
public class Patient
{
 private String name;
 //getter and setter methods
}
public class Doctor
{
 private String name;
 private String specialization;
 //getter and setter methods
 public void treatPatient(Patient patient)
 {
 //valid Java code
 }
}
```

Choose the most appropriate option.

Select one:

- a. Composition
- b. Aggregation



The correct answer is: Dependency

## Question 18

Correct

Mark 1 out of 1

Consider the Java code given below. How many times "Hello " will be printed when the code is executed?

```
public class ApplicationTester
{
 public static void main(String[] args)
 {
 int i = 0;
 do
 {
 System.out.println("Hello");
 i++;
 } while(i <= 1);
 }
}
```

Choose the most appropriate option.

Select one:

- a. 1 time
- b. 3 times
- c. 2 times ✓
- d. Nothing will be printed

The correct answer is: 2 times

## Question 19

Incorrect

Mark 0 out of 1

If Employee class is created inside com.test package, what could be the first line in class? Choose most appropriate option.

Select one:

- a. package com.test
- b. package com.test.Employee ✗
- c. packages com.test
- d. class Employee{}

The correct answer is: package com.test

## Question 20

Correct

Mark 1 out of 1

Consider the Java code given below. How many times "1" will be printed when the code is executed?

```
public class ApplicationTester
{
 public static void main(String[] args)
 {
 int i = -1;
 while(++i <= 1)
 {
 System.out.println("1");
 i++;
 }
 }
}
```

Choose the most appropriate option.

Select one:

- a. 1 time ✓
- b. 2 times
- c. Nothing will be printed.
- d. 3 times

## Question 21

Incorrect

Mark 0 out of 1

The correct answer is: 1 time

Which of the following statement/s is/are TRUE?

- (1) Abstract method can have body
  - (2) Abstract class cannot be instantiated
  - (3) Abstract class can have constructor
- Choose the most appropriate option.

Select one:

- a. Both (2) and (3) are TRUE
- b. Both (1) and (2) are TRUE
- c. Only (2) is TRUE ✘
- d. Both (1) and (3) are TRUE

The correct answer is: Both (2) and (3) are TRUE

## Question 22

Correct

Mark 1 out of 1

What will be the output of the following Java code?

```
public class StringTester
{
 public static void main(String[] args)
 {
 String player1 = new String ("virat kohli");
 String player2 = new String("GAYLE");
 player1.toUpperCase();
 String newPlayer=player1.substring(6);
 newPlayer = newPlayer + player2.toLowerCase();
 System.out.println(newPlayer);
 }
}
```

Choose the most appropriate option.

Select one:

- a. kohligayle ✓
- b. kohliGAYLE
- c. KOHLLigayle
- d. KOHLI gayle

The correct answer is: kohligayle

## Question 23

Correct

Mark 1 out of 1

What will be the output of the following Java code?

```
public class BaseClass
{
 public static void method()
 {
 System.out.println("1");
 }
}
public class DerivedClass extends BaseClass
{
 public static void method()
 {
 System.out.println("2");
 }
}
public class ApplicationTester
{
 public static void main(String[] args)
 {
 BaseClass ref = new DerivedClass();
 ref.method();
 }
}
```



}

Choose the most appropriate option.

Select one:

- a. Compilation error at Line-1: Ambiguous method call 'ref.method()'
- b. 2
- c. Program will display both 1 and 2
- d. 1 ✓

The correct answer is: 1

## Question 24

Correct

Mark 1 out of 1

What will be the output of the following Java code?

```
public class ApplicationTester
{
 public static void main(String[] args)
 {
 int[] array = {11,22,33,44,55,11};
 int searchNumber = 11, position=999;
 for(int index=0; index < array.length; index++)
 {
 if(searchNumber == array[index])
 {
 position = index;
 }
 System.out.println(position);
 }
 }
}
```

Choose the most appropriate option.

Select one:

- a. 5 ✓
- b. 0
- c. 6
- d. 1

The correct answer is: 5

## Question 25

Correct

Mark 1 out of 1

Which of the following statement(s) is/are FALSE?

- (i) 'package' statement can appear anywhere in the Java code
  - (ii) In a Java code, only one 'import' statement can be written
- Choose the most appropriate option.

Select one:

- a. Both (i) and (ii) are FALSE ✓
- b. Only (ii) is FALSE
- c. Only (i) is FALSE
- d. Both (i) and (ii) are TRUE

The correct answer is: Both (i) and (ii) are FALSE

## Question 26

Correct

Chaining What is the output for the below code ?

```
class A
{
 public A()
```

```

public A(int i)
{
 System.out.print(i+" ");
}
class B extends A
{
public B ()
{
 super();
 System.out.print("B ");
}

public B (int i)
{
 super(i);
 System.out.print(i+3+" ");
}
}

public class Test
{
 public static void main (String[] args)
 {
 new B(5);
 }
}

```

Choose most appropriate option.

Select one:

- a. A B 5
- b. A B 8
- c. 5 8 ✓
- d. B 8 A 5

The correct answer is: 5 8

## Question 27

Incorrect

Mark 0 out of 1

Accenture developed a Java based Application (Vendor Management System) for New Codington city. The product was delivered to New Codington after successful testing on Windows platform. New Codington wants to run the application on their desktop which has Linux platform. What are the MINIMUM resources needed to successfully run the application? Choose the most appropriate option.

Select one:

- a. JDK on Windows
- b. JVM on Linux
- c. JVM on Windows
- d. JDK on Linux ✗

The correct answer is: JVM on Linux

## Question 28

Correct

Mark 1 out of 1

What will be the output of the following Java code?

```

public class MyClass
{
 private static int data;
 static
 {
 MyClass.data = 999;
 }
 public static int getData()
 {
 return data;
 }
 public static void setData(int data)
 {

```

```

public class ApplicationTester
{
 public static void main(String[] args)
 {
 MyClass ref1 = new MyClass();
 MyClass ref2 = new MyClass();
 System.out.print(ref1.getData());
 ref2.setData(111);
 System.out.println(" " + ref1.getData());
 }
}

```

Choose the most appropriate option.

Select one:

- a. 999 111 ✓
- b. 0 111
- c. 111 111
- d. 999 999

The correct answer is: 999 111

## Question 29

Correct

Mark 1 out of 1

What will be the output of the following Java code?

```

public class MyClass
{
 public static void main (String[] args)
 {
 int value1=33;
 int value2=--value1;
 int value3=value1++;
 System.out.println(value1+" "+value2+" "+value3);
 }
}

```

Choose the most appropriate option.

Select one:

- a. 32 33 32
- b. 32 32 33
- c. 33 32 32 ✓
- d. 32 32 32

The correct answer is: 33 32 32

## Question 30

Correct

Mark 1 out of 1

Analyse the following pseudo code and identify the CORRECT output.

Note: Assume that the input given for Basic is 12000 and Allowances is 3000

1. input Basic, Allowances
2. Gross\_Salary= Basic + Allowances
3. if (Gross\_Salary > 10000) then
4. Tax = 0.1 \* Gross\_Salary
5. Net\_Salary = Gross\_Salary - Tax
6. else
7. Net\_Salary = Gross\_Salary
8. end-if
9. display Net\_Salary

Choose the most appropriate option.

Select one:

- a. 14000
- b. 15000
- c. 13500 ✓

The correct answer is: 13500

## Question 31

Correct

Mark 1 out of 1

Consider the Java code given below. After the execution of the code what will be the content of "array2"?

```
public class Tester
{
 public static void main(String[] args)
 {
 int array1[] = {71,12,23,34};
 int array2[] = new int[4];
 int count = 0;
 for (int i = 0; i < array2.length; i++)
 {
 if(array1[i]%2==0)
 {
 array2[count]=array1[i];
 count++;
 }
 }
 }
}
```

Choose the most appropriate option.

Select one:

- a. 0 0 12 34
- b. 12 34
- c. 12 34 0 0 ✓
- d. 12 0 34 0

The correct answer is: 12 34 0 0

## Question 32

Correct

Mark 1 out of 1

Predict the line of code

```
Abstract class Base1
{
 protected void getDetails()
 {
 System.out.println("Base method");
 }
 public Abstract void demomethod();
}
Abstract class Base2 extends Base1
{
 public Abstract void samplmethod();
}
class Derived extends Base2
{
 //Line1
}
```

Select one:

- a. Error: abstract class can't extends other abstract class
- b. none of the option
- c. only "samplmethod" need to overrided in Dervied class
- d. Derived class need to override both "samplmethod" and "demomethod" ✓

The correct answer is: Derived class need to override both "samplmethod" and "demomethod"

## Question 33

Correct

Mark 1 out of 1

What will be the output of the following Java code?

```
public class ApplicationTester
{
 public static void main(String[] args)
 {
 for(int i=0; i<=10; i++)
 {
 if(i>6)
 break;
 }
 System.out.println(i); //Line-1
 }
}
```

Choose most appropriate option.

Select one:

- a. 5
- b. Compilation error at Line-1: i cannot be resolved to a variable ✓
- c. 6
- d. null

The correct answer is: Compilation error at Line-1: i cannot be resolved to a variable

## Question 34

Correct

Mark 1 out of 1

Given the below code. What is output ?

```
class Currency
{
 private String country = "Canada";
 public String getC()
 {
 return country;
 }
}
class JapeneseYen extends Currency
{
public String getC()
{
 return super.country; //Line 12
}
}
public class AustralianDollar extends Currency
{
public String getC(int x)
{
 return super.getC();
}
public static void main(String[] args)
{
 System.out.print(new JapeneseYen().getC() + " " + new AustralianDollar().getC());
}
}
```

Choose most appropriate option.

Select one:

- a. Canada null
- b. null Canada
- c. null null
- d. Compilation fails due to an error on line 12 ";country is not visible "; ✓
- e. Canada Canada

The correct answer is: Compilation fails due to an error on line 12 ";country is not visible ";

## Question

What will be the output of the following Java code?

Mark 1 out of 1

```

public void deposite(int amount)
{
 System.out.println("Account deposited with: " + amount);
}
public void transaction()
{
 this.deposite(100);
}
}
public class SavingsAccount extends Account
{
public void deposite(int amount)
{
System.out.println("Savings Account deposited with: " + amount);
}
}
public class ApplicationTester
{
 public static void main(String[] args)
 {
 Account account = new SavingsAccount();
 account.transaction();
 }
}

```

Choose the most appropriate option.

Select one:

- a. Savings Account deposited with: 100 ✓
- b. Account deposited with: 100
- c. Savings Account deposited with: 0
- d. Account deposited with: 0

The correct answer is: Savings Account deposited with: 100

### Question 36

Correct

Mark 1 out of 1

What will be the output of the following Java code?

```

class Test extends Throwable {}
class Base extends Test {}
public class Main {
 public static void main(String args[]) {
 try {
 throw new Base();
 }
 catch(Test t) {
 System.out.println("Test Exception");
 }
 finally {
 System.out.println("Finally block ");
 }
 }
}

```

Select one:

- a. Compilation error: Test Class cant extends Throwable
- b. print - "Test Exception" "Finally block " ✓
- c. Compilation error : Base class can't extends Test
- d. print-"Test Exception"

The correct answer is: print - "Test Exception" "Finally block "

### Question 37

Incorrect

which of the following code creates a list box from which user can select more than one option?

Select one:



- a. <option> S </option><br /></select> ✘
- b. <select type=multiple><br /><option> P </option><br /><option> G </option><br /><option> S </option><br /></select>
- c. <select name='type' multiple><br /><option> P </option><br /><option> G </option><br /><option> S </option><br /></select>
- d. <select name='type' multiValue><br /><option> P </option><br /><option> G </option><br /><option> S </option><br /></select>

Your answer is incorrect.

The correct answer is: <select name='type' multiple><br />

```
<option> P </option>

<option> G </option>

<option> S </option>

</select>
```

### Question 38

Incorrect

Mark 0 out of 1

'link', 'vlink' and 'alink' are attributes of which HTML tag?

Choose the most appropriate option.

Select one:

- a. <img>
- b. <a> ✘
- c. <head>
- d. <body>

Your answer is incorrect.

The correct answer is: <body>

### Question 39

Correct

Mark 1 out of 1

Which of the following attribute is used by a HTML tag to apply inline style? Choose most appropriate option.

Select one:

- a. class
- b. style ✓
- c. id
- d. styleclass

Your answer is correct.

The correct answer is: style

### Question 40

Correct

Refer to the below code:

```
<script>
function helloMessage(){
 var jsName = //Line1 alert('Hello '+jsName+' !')
```



```
Enter First Name : <input type="text" name="firstName" id="first">

<input type="button" value="Click Here!" onclick="helloMessage()">
</form>
```

Which is the CORRECT code to be inserted at "Line1" to make the JavaScript run properly? Choose most appropriate option

Select one:

- a. document.getElementByName('first').value;
- b. document.getElement('first').value;
- c. document.getElementByld.first.value;
- d. document.getElementByld('first').value; ✓

The correct answer is: document.getElementByld('first').value;

## Question 41

Correct

Mark 1 out of 1

Which attribute of the form specifies the name of the web page on the server which will process the form after submission?  
Choose most appropriate option.

Select one:

- a. action ✓
- b. name
- c. url
- d. method

The correct answer is: action

## Question 42

Correct

Mark 1 out of 1

Identify the CORRECT statements with respect to CSS.

- a) CSS is used for giving style for HTML content
  - b) External style sheet can be used only for one HTML page in a website
- Choose most appropriate option.

Select one:

- a. only b
- b. neither a nor b
- c. both a and b
- d. only a ✓

The correct answer is: only a

## Question 43

Correct

Mark 1 out of 1

Which of the following statements is TRUE for CSS?

- A. An external style sheet is ideal when the style is applied to many pages
  - B. An inline style created for a html tag can be reused for other tags in same page.
- Choose most appropriate option.

Select one:

- a. Only B
- b. Only A ✓
- c. Both A and B
- d. Neither A nor B

## Question 44

Correct

Mark 1 out of 1

Refer the incomplete HTML Code given below

```
<table border="2" _____=10>
<tr> <th>Employee Name</th>
<th>Department</th> </tr>
<tr> <td>Jack</td>
<td>LKM</td> </tr>
<tr> <td>Ace</td><td>Delivery</td> </tr>
</table>
```

Identify the appropriate option to be placed in the spaceso that for each cell, there will be a space between the cell border and its respective content Choose most appropriate option.

Select one:

- a. cellpadding ✓
- b. colspan
- c. colspace
- d. cellspacing

The correct answer is: cellpadding

## Question 45

Correct

Mark 1 out of 1

Refer the incomplete HTML code given below.

```
<input type="text" name="firstname" _____Blank1____ = "5" />
```

It is required to restrict the maximum number of characters being entered in the above text box to 5. From the given option, identify the CORRECT option which can replace "\_\_\_\_Blank1\_\_\_\_" to meet the above requirement. Choose most appropriate option.

Select one:

- a. maxlength ✓
- b. maxsize
- c. size
- d. length

The correct answer is: maxlength

## Question 46

Correct

Mark 1 out of 1

What would be the output of the following Java Script?

```
<html>
<body>
<script>
 var key1=1; document.write(typeof(key1) + " ");
 var key2=null; document.write(typeof(key2));
</script>
</body>
</html>
```

Choose most appropriate option.

Select one:

- a. number object ✓
- b. number undefined
- c. int undefined
- d. int object

The correct answer is: number object

Correct

Mark 1 out of 1

```
<script>
var x = (3 + 3) + 4 + "6"; alert(x); //line 1
</script>
</body>
</html>
```

What will be printed in alert box in line 1? Choose most appropriate option.

Select one:

- a. 3346
- b. 646
- c. 106 ✓
- d. 16

The correct answer is: 106

## Question 48

Correct

Mark 1 out of 1

Consider the HTML code given below.

```
<html>
<head>
<script>
var key=10;
function add(){
 var key=20;
 window.key=key+1;
 document.write(key);
 document.write(" ");
 print();
}
function print(){
 document.write(key);
}
</script>
</head>
<body>
<form>
<input type="submit" onclick="add()" />
</form>
</body>
</html>
```

What will be displayed after executing the above code?

Choose the most appropriate option.

Select one:

- a. 11 10
- b. 11 11
- c. 21 21
- d. 20 21 ✓

Your answer is correct.

The correct answer is: 20 21

**49**

Correct

Mark 1 out of 1

What would be the output of the Javascript code given below:

```
<html>
<body>
<script>
var num1=100;
function test(){
 num2=200;
 var num1=300;
 num1=num2;
}
test();
document.write(num1 +" "+num2);
</script>
</body>
</html>
```

Select one:

- a. 300-100
- b. 200-200
- c. 100-200 ✓
- d. 300-200

Your answer is correct.

The correct answer is: 100-200

## Question 50

Correct

Mark 1 out of 1

How many cells will be created after executing the below HTML code?

```
<html>
<body>
<table border="1">
<tr> <td colspan="3"> Jack </td> </tr>
<tr> <td colspan="2"> Tom </td> <td> Mark </td> </tr>
<tr> <td rowspan="2"> John</td> <td> James</td> <td> Mary</td> </tr>
<tr> <td> Helen</td> <td> Sam </td> </tr>
</table>
</body>
</html>
```

Select one:

- a. 10
- b. 9
- c. 8 ✓
- d. 7

Your answer is correct.

The correct answer is: 8

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**Grade** 39 out of 50 (78%)

### Question 1

Correct

Mark 1 out of 1

The employee table contains EmployeeNumber, EmployeeName, Salary and DeptCode Columns. Which is the CORRECT SQL query to display DeptCode and average salary of each department? Choose most appropriate option.

Select one:

- a. SELECT DeptCode,avg(salary) FROM Employee GROUP BY EmployeeNumber;
- b. SELECT DeptCode,avg(salary) FROM Employee GROUP BY Salary;
- c. SELECT DeptCode,avg(salary) FROM Employee GROUP BY DeptCode; ✓
- d. SELECT DeptCode,avg(salary) FROM Employee;

The correct answer is: SELECT DeptCode,avg(salary) FROM Employee GROUP BY DeptCode;

### Question 2

Correct

Mark 1 out of 1

Identify the CORRECT SQL statement(s) to remove ONLY the data from "Employee" table?

- (i) DROP TABLE Employee;
  - (ii) DELETE FROM Employee;
  - (iii) TRUNCATE TABLE Employee;
- Choose most appropriate option.

Select one:

- a. (i), (ii) and (iii)
- b. Both (ii) and (iii) ✓
- c. Both (i) and (ii)
- d. Both (i) and (iii)

The correct answer is: Both (ii) and (iii)

### Question 3

Correct

Mark 1 out of 1

Which is the CORRECT SQL statement to add the new column "DateOfJoining" to an existing table "Employee"? Choose most appropriate option.

Select one:

- a. ALTER TABLE Employee MODIFY DateOfJoining DATE;
- b. ALTER TABLE Employee UPDATE DateOfJoining DATE;
- c. ALTER TABLE Employee ADD DateOfJoining DATE; ✓
- d. CREATE TABLE Employee ADD DateOfJoining DATE;

The correct answer is: ALTER TABLE Employee ADD DateOfJoining DATE;

### Question 4

Incorrect

Mark 0 out of 1

Which of the following statement(s) is/are TRUE?

- (i) In a non-correlated(independent) subquery, the subquery is always executed only once.
- (ii) In a non-correlated(independent) subquery, the inner query (sub query) references the column from the outer query (main query).

Choose most appropriate option



Select one:

- a. Only (i)
- b. Only (ii)
- c. Both (i) and (ii) ✖
- d. Neither (i) nor (ii)

The correct answer is: Only (i)

**Question 5**

Correct

Mark 1 out of 1

Identify the CORRECT SQL statement to create a table with composite primary key. Choose most appropriate option.

Select one:

- a. CREATE TABLE Account (AccountNumber Number(5) CONSTRAINT Acc\_Pkey1 PRIMARY KEY, CustomerId Number(10) CONSTRAINT Acc\_Pkey2 PRIMARY KEY, OpeningDate Date, Balance Number(10,2));
- b. CREATE TABLE Account (AccountNumber Number(5), CustomerId Number(10) CONSTRAINT Acc\_Pkey2 PRIMARY KEY (AccountNumber,CustomerId), OpeningDate Date, Balance Number(10,2));
- c. CREATE TABLE Account (AccountNumber Number(5), CustomerId Number(10), OpeningDate Date, Balance Number(10,2), CONSTRAINT Acc\_Pkey PRIMARY KEY (AccountNumber,CustomerId)); ✓
- d. CREATE TABLE Account (AccountNumber Number(5), CustomerId Number(10), OpeningDate Date, Balance Number(10,2), CONSTRAINT Acc\_Pkey COMPOSITE PRIMARY KEY (AccountNumber,CustomerId));

The correct answer is: CREATE TABLE Account (AccountNumber Number(5), CustomerId Number(10), OpeningDate Date, Balance Number(10,2), CONSTRAINT Acc\_Pkey PRIMARY KEY (AccountNumber,CustomerId));

**Question 6**

Correct

Mark 1 out of 1

Which of the following SQL commands is used to remove table "EMPLOYEE" present in the database? Choose most appropriate option.

Select one:

- a. DELETE TABLE EMPLOYEE;
- b. DROP TABLE EMPLOYEE; ✓
- c. REMOVE TABLE EMPLOYEE;
- d. TRUNCATE TABLE EMPLOYEE;

The correct answer is: DROP TABLE EMPLOYEE;

**Question 7**

Incorrect

Mark 0 out of 1

which command help us to get back the permission of accessing the table.

Select one:

- a. revoke
- b. rollback
- c. grant ✖
- d. commit

The correct answer is: revoke

**Question 8**

Correct

Mark 1 out of 1

State True/False?

The names of the foreign key field and the referenced field(in parent table) may be same or different, but must have the same data type.

Select one:



The correct answer is: True

## Question 9

Correct

Mark 1 out of 1

Given a table Projects, which of the following SQL queries will display records that contains Sub-String "SAP" anywhere in the ProjectName ? Choose most appropriate option.

Select one:

- a. SELECT \* FROM Projects WHERE ProjectName LIKE '%SAP';
- b. SELECT \* FROM Projects WHERE ProjectName LIKE 'SAP%';
- c. SELECT \* FROM Projects WHERE ProjectName = '%SAP%';
- d. SELECT \* FROM Projects WHERE ProjectName LIKE "%SAP%"; ✓

The correct answer is: SELECT \* FROM Projects WHERE ProjectName LIKE "%SAP%";

## Question 10

Incorrect

Mark 0 out of 1

Consider the table Products(pid, pname, pcost). Identify the appropriate SQL statement to rename the table to ProductsInfo . Choose most appropriate option.

Select one:

- a. ALTER TABLE Products UPDATE TO ProductsInfo;
- b. ALTER TABLE Products RENAME ProductsInfo; ✗
- c. ALTER TABLE RENAME Products TO ProductsInfo;
- d. ALTER TABLE Products RENAME TO ProductsInfo;

The correct answer is: ALTER TABLE Products RENAME TO ProductsInfo;

## Question 11

Correct

Mark 1 out of 1

Consider the table Projects, has following records.

ProjectId Start\_date

-----

100 12-Jan-2017

Which of the following SQL statement retrieve the output as follows?

Start\_date

-----

JAN, 12-2017

Choose most appropriate option.

Select one:

- a. SELECT TO\_CHAR(Start\_date,MON, DD-YYYY) FROM Projects; ✓
- b. SELECT TO\_DATE(Start\_date,'MON, DD-YYYY') FROM Projects;
- c. SELECT TO\_CHAR(Start\_date,'MMM, DD-YYYY') FROM Projects;
- d. SELECT TO\_DATE(Start\_date,'MMM, DD-YYYY') FROM Projects;

The correct answer is: SELECT TO\_CHAR(Start\_date,MON, DD-YYYY) FROM Projects;

## Question 12

Correct

Mark 1 out of 1

Consider the table Employee(empid, empname, designation). Identify the appropriate SQL statement to retrieve all employees whose designation is either 'S' or 'A'. Choose most appropriate option.

Select one:

- a. SELECT \* FROM Employee WHERE designation =( 'S' , 'A' );

- d. SELECT \* FROM Employee WHERE designation =(‘S’ OR ‘A’);

The correct answer is: SELECT \* FROM Employee WHERE designation IN(‘S’, ‘A’);

### Question 13

Correct

Mark 1 out of 1

Consider the following tables:

Vendor (VendorId, VendorName, PhoneNumber). Here VendorId is the primary key.

Item (ItemCode, UnitPrice, QuantityOnHand, VendorId) Here ItemCode is the primary key and VendorId is the foreign key referencing the VendorId in Vendor Table.

Which is the CORRECT SQL query to display ItemCode, UnitPrice, VendorName for all Items. It should also display the details of the Item which is not having any vendor?

Choose most appropriate option

Select one:

- a. SELECT Item.ItemCode,Item.UnitPrice,Vendor.VendorName FROM Item INNER JOIN Vendor ON Item.VendorId = Vendor.VendorId;
- b. SELECT Item.ItemCode,Item.UnitPrice,Vendor.VendorName FROM Item LEFT OUTER JOIN Vendor ON Item.VendorId = Vendor.VendorId; ✓
- c. SELECT Item.ItemCode,Item.UnitPrice,Vendor.VendorName FROM Item, Vendor WHERE Item.VendorId = Vendor.VendorId;
- d. SELECT Item.ItemCode,Item.UnitPrice,Vendor.VendorName FROM Item INNER JOIN Vendor ON Item.VendorId = Vendor.VendorId AND Item.VendorId IS NULL;

Your answer is correct.

The correct answer is: SELECT Item.ItemCode,Item.UnitPrice,Vendor.VendorName FROM Item LEFT OUTER JOIN Vendor ON Item.VendorId = Vendor.VendorId;

### Question 14

Incorrect

Mark 0 out of 1

Consider the below tables.

Event(eventId,eventName) – eventId is primary key

Employee(empld, empName, eventld) – empld is primary key and eventld is foreign key referring to Event table.

Identify the correct SQL statement to retrieve empld, empname and eventName for all employees. If employee has not registered for an event then it should display ‘Not Registered’.

Select one:

- a. SELECT e1.empld, e1.empName, NVL(e2.eventName,’Not Registered’) FROM event e2 INNER JOIN employee e1 ON e2.eventId=e1.eventId; ✗
- b. SELECT e1.empld, e1.empName, NVL(e2.eventName,’Not Registered’) FROM employee e1 LEFT OUTER JOIN event e2 ON e1.eventId=e2.eventId;
- c. SELECT e1.empld, e1.empName, NVL(e2.eventName,’Not Registered’) FROM employee e1 RIGHT OUTER JOIN event e2 ON e1.eventId=e2.eventId;
- d. SELECT e1.empld, e1.empName, NVL(e2.eventName,’Not Registered’) FROM event e2 LEFT OUTER JOIN employee e1 ON e2.eventId=e1.eventId;

Your answer is incorrect.

The correct answer is: SELECT e1.empld, e1.empName, NVL(e2.eventName,’Not Registered’) FROM employee e1 LEFT OUTER JOIN event e2 ON e1.eventId=e2.eventId;

### Question 15

Incorrect

Mark 0 out of 1

Consider Project table given below.

PROJECTID EMPLOYEEID

1	10
2	11
1	13

- a. SELECT DISTINCT projectid FROM project WHERE projectid IN( SELECT projectid FROM project WHERE COUNT(employeeId)>1); ❌
- b. SELECT DISTINCT projectid FROM project WHERE projectid IN( SELECT projectid FROM project GROUP BY projectid WHERE COUNT(employeeId)>1);
- c. SELECT DISTINCT projectid FROM project WHERE projectid IN( SELECT projectid FROM project HAVING COUNT(employeeId)>1);
- d. SELECT DISTINCT projectid FROM project WHERE projectid IN( SELECT projectid FROM project GROUP BY projectid HAVING COUNT(employeeId)>1);

Your answer is incorrect.

The correct answer is: SELECT DISTINCT projectid FROM project WHERE projectid IN( SELECT projectid FROM project GROUP BY projectid HAVING COUNT(employeeId)>1);

## Question 16

Correct

Mark 1 out of 1

What will be the output of the following Java code?

```
public class ApplicationTester
{
 public static void main(String[] args)
 {
 int i=10;
 while(++i<15)
 {
 System.out.print(i + " ");
 }
 }
}
```

Choose the most appropriate option.

Select one:

- a. 10 11 12 13 14
- b. 15
- c. 11 12 13 14 ✓
- d. 14

The correct answer is: 11 12 13 14

## Question 17

Correct

Mark 1 out of 1

Which of the following statement/s is/are TRUE?

- (1) Abstract method can have body
  - (2) Abstract class cannot be instantiated
  - (3) Abstract class can have constructor
- Choose the most appropriate option.

Select one:

- a. Both (1) and (3) are TRUE
- b. Both (1) and (2) are TRUE
- c. Both (2) and (3) are TRUE ✓
- d. Only (2) is TRUE

The correct answer is: Both (2) and (3) are TRUE

## Question 18

Correct

Mark 1 out of 1

What will be the output of the following Java code?

```
public class Employee
{
 private static int count; static
```

```

public Employee()
{
 Employee.count = 201;
}
public static int getCount()
{
 return Employee.count;
}
public class ApplicationTester
{
 public static void main(String[] args)
 {
 Employee emp = new Employee();
 System.out.println(emp.getCount());
 }
}

```

Choose the most appropriate option.

Select one:

- a. 201 ✓
- b. 0
- c. null
- d. 101

The correct answer is: 201

### Question 19

Correct

Mark 1 out of 1

What will be the output of the following Java code?

```

class StringSample
{
 public StringSample(String string)
 {
 System.out.println("The string is " + string);
 }
}
public class ConstructorTester1
{
 public static void main(String[] args)
 {
 StringSample stringSample = new StringSample();
 StringSample stringSample1 = new StringSample("Test String");
 }
}

```

Choose the most appropriate option.

Select one:

- a. The string is Test String
- b. Compilation Error: The constructor StringSample() is undefined ✓
- c. The string is null The string is Test String
- d. The string is null

The correct answer is: Compilation Error: The constructor StringSample() is undefined

### Question 20

Correct

Mark 1 out of 1

Consider the Java code given below. How many times "1" will be printed when the code is executed?

```

public class ApplicationTester
{
 public static void main(String[] args)
 {
 int i = -1;
 while(++i <= 1)
 {
 System.out.println("1");
 }
 }
}

```



}

Choose the most appropriate option.

Select one:

- a. Nothing will be printed.
- b. 2 times
- c. 3 times
- d. 1 time ✓

The correct answer is: 1 time

## Question 21

Correct

Mark 1 out of 1

What will be the output of the following Java code?

```
public class ApplicationTester
{
 public static void main(String[] args)
 {
 int i=0;
 for(i=0; i<10; i++)
 {
 if(i == 5)
 {
 continue;
 }
 i++;
 System.out.print(i + " ");
 }
 }
}
```

Choose the most appropriate option.

Select one:

- a. 1 3 5 7 9 ✓
- b. 1 2 3 4 6 7 8 9
- c. 1 2 3 4 5 6 7 8 9
- d. 1 2 3 4 and then program will get into infinite loop

The correct answer is: 1 3 5 7 9

## Question 22

Correct

Mark 1 out of 1

What will be the output of the following Java code?

```
public class ApplicationTester
{
 public static void main(String[] args)
 {
 int i;
 for(i = 1; i <=3; i++)
 {
 System.out.println(i);
 }
 System.out.println(i);
 }
}
```

Choose the most appropriate option.

Select one:

- a. 1 to 3 will be displayed on the console
- b. 3 will be displayed twice on the console
- c. 1 to 4 will be displayed on the console
- d. 4 will be displayed twice on the console ✓

## Question 23

Incorrect

Mark 0 out of 1

What will be the output of the following Java code?

```
public class ApplicationTester
{
 public static void main(String[] args)
 {
 int[] array = {11,22,33,44,55,11};
 int searchNumber = 11, position=999;
 for(int index=0; index < array.length; index++)
 {
 if(searchNumber == array[index])
 {
 position = index;
 }
 } System.out.println(position);
 }
}
```

Choose the most appropriate option.

Select one:

- a. 6
- b. 1
- c. 5
- d. 0 ✕

The correct answer is: 5

## Question 24

Correct

Mark 1 out of 1

What will be the output of the following Java code?

```
public class Vehicle
{
 protected String enginePower;
 public Vehicle()
 {
 this.enginePower = "100CC";
 }
 public String getEnginePower()
 {
 return this.enginePower;
 }
}
public class PassengerVehicle extends Vehicle
{
private int capacity;
public PassengerVehicle()
{
this.capacity = 50;
this.enginePower = "150CC";
}
public int getCapacity()
{
return this.capacity;
}
}
public class ApplicationTester
{
 public static void main(String[] args)
 {
 Vehicle vehicle = new PassengerVehicle();
 System.out.println(vehicle.getEnginePower());
 }
}
```

Choose the most appropriate option.

Select one:

- a. 100CC
- b. 150CC ✓

## Question 25

Correct

Mark 1 out of 1

The correct answer is: 150CC

Consider the Java code given below. After the execution of the code what will be the content of "array2"?

```
public class Tester
{
 public static void main(String[] args)
 {
 int array1[] = {71,12,23,34};
 int array2[] = new int[4];
 int count = 0;
 for (int i = 0; i < array2.length; i++)
 {
 if(array1[i]%2==0)
 {
 array2[count]=array1[i];
 count++;
 }
 }
 }
}
```

Choose the most appropriate option.

Select one:

- a. 12 34 0 0 ✓
- b. 12 34
- c. 12 0 34 0
- d. 0 0 12 34

The correct answer is: 12 34 0 0

## Question 26

Not answered

Marked out of 1

What will be the output of the following Java code?

```
class Event
{
 static int eventId;
 public static void main(String[] args)
 {
 Event e1=new Event();
 e1.eventId=100;
 Event e2=e1; e2.eventId=200;
 Event e3=new Event();
 System.out.println(e1.eventId+ " "+ e2.eventId + " "+ e3.eventId);
 }
}
```

Choose the most appropriate option.

Select one:

- a. 200 200 200
- b. 100 100 100
- c. 100 200 200
- d. 100 200 0

The correct answer is: 200 200 200

## Question 27

Correct

Mark 1 out of 1

Predict the line of code

```
Abstract class Base1
{
 protected void getDetails()
```

```

 public Abstract void demomethod();
 }
Abstract class Base2 extends Base1
{
 public Abstract void samplmethod();
}
class Derived extends Base2
{
 //Line1
}

```

Select one:

- a. Derived class need to override both "samplmethod" and "demomethod" ✓
- b. only "samplmethod" need to overrided in Derived class
- c. Error: abstract class can't extends other abstract class
- d. none of the option

The correct answer is: Derived class need to override both "samplmethod" and "demomethod"

## Question 28

Correct

Mark 1 out of 1

What will be the output of the following Java code?

```

public class LocalVariableTester
{
 public static void main(String[] args)
 {
 int data1=8, data2;
 if(data1 >= 10)
 {
 data2 = 20;
 }
 System.out.println(data1 + " " + data2);
 }
}

```

Choose the most appropriate option

Select one:

- a. 10 null
- b. 10 0
- c. Compilation error: The local variable 'data2' may not have been initialized ✓
- d. 10 20

The correct answer is: Compilation error: The local variable 'data2' may not have been initialized

## Question 29

Correct

Mark 1 out of 1

What will be the output of the following Java code?

```

public class BaseClass
{
 public static void method()
 {
 System.out.println("1");
 }
}
public class DerivedClass extends BaseClass
{
 public static void method()
 {
 System.out.println("2");
 }
}
public class ApplicationTester
{
 public static void main(String[] args)
 {
 BaseClass ref = new DerivedClass();
 }
}

```

}

Choose the most appropriate option.

Select one:

- a. Program will display both 1 and 2
- b. 1 ✓
- c. 2
- d. Compilation error at Line-1: Ambiguous method call 'ref.method()'

The correct answer is: 1

### Question 30

Correct

Mark 1 out of 1

What will be the output of the following Java code?

```
public class MyClass
{
 public static void main (String[] args)
 {
 int value1=33;
 int value2=-value1;
 int value3=value1++;
 System.out.println(value1+" "+value2+" "+value3);
 }
}
```

Choose the most appropriate option.

Select one:

- a. 32 32 32
- b. 32 33 32
- c. 32 32 33
- d. 33 32 32 ✓

The correct answer is: 33 32 32

### Question 31

Correct

Mark 1 out of 1

What will be the output of the following Java code?

```
public class Employee
{
 private static int employeeCount;
 public Employee()
 {
 employeeCount++;
 //Line-1
 }
 public static int getEmployeeCount()
 {
 return Employee.employeeCount;
 }
}
public class StaticTester
{
 public static void main(String[] args)
 {
 Employee emp1 = new Employee();
 Employee emp2 = new Employee();
 Employee emp3 = new Employee();
 System.out.println(Employee.getEmployeeCount());
 }
}
```

Choose the most appropriate option.

Select one:

- a. 3 ✓



C. i

- d. Compilation error at Line-1: Cannot use static member 'employeeCount' in a non-static context

The correct answer is: 3

### Question 32

Correct

Mark 1 out of 1

What is the output of the below code?

```
public class Calculator
{
 public static void main(String[] args)
 {
 int result = 0;
 Calculator calculator = new Calculator();
 calculator.add(10, 20, result);
 System.out.println("Result : " + result);
 }
 public void add(int num1, int num2, int result)
 {
 result = num1 + num2;
 }
}
```

Choose the most appropriate option.

Select one:

- a. Result : null
- b. Result : 30
- c. Result: 20
- d. Result : 0 ✓

The correct answer is: Result : 0

### Question 33

Correct

Mark 1 out of 1

What will be the output of the following Java code?

```
public class ApplicationTester
{
 public static void main(String[] args)
 {
 int[] array = {-9,-11-8,-100,-78};
 int minimum = 0;
 for(int index=0; index < array.length; index++)
 {
 if(minimum < array[index])
 { minimum = array[index];
 }
 }
 System.out.println(minimum);
 }
}
```

Choose the most appropriate option.

Select one:

- a. -100
- b. -8
- c. 0 ✓
- d. null

The correct answer is: 0

### Question 34

What will be the output of the following Java code?

Mark 1 out of 1

```

public Employee()
{
 this.salary = 10000.0;
}
public static void updateSalary(Employee emp)
{
 emp.salary = emp.salary + 10000.0;
 //Line-1
}
public double getSalary()
{
 return this.salary;
}
ApplicationTester .java public class ApplicationTester
{
 public static void main(String[] args)
 {
 Employee emp1 = new Employee();
 Employee emp2 = new Employee();
 Employee.updateSalary(emp1);
 System.out.println(emp1.getSalary() + " " + emp2.getSalary());
 }
}

```

Choose the most appropriate option.

Select one:

- a. 0.0 10000.0
- b. 20000.0 10000.0 ✓
- c. 10000.0 10000.0
- d. Compilation error at Line-1: Cannot 'emp.salary' in a static context

The correct answer is: 20000.0 10000.0

**Question 35**

Correct

Mark 1 out of 1

What will be the output of the following Java code?

```

public class ApplicationTester
{
 public static void main(String[] args)
 {
 for(int i=0; i<=10; i++)
 {
 if(i>6)
 break;
 }
 System.out.println(i); //Line-1
 }
}

```

Choose most appropriate option.

Select one:

- a. 6
- b. null
- c. 5
- d. Compilation error at Line-1: i cannot be resolved to a variable ✓

The correct answer is: Compilation error at Line-1: i cannot be resolved to a variable

**Question 36**

Correct

Mark 1 out of 1

What will be the output of the following Java code?

```

public class Account
{
 public void deposite(int amount)
 {
 System.out.println("Account deposited with: " + amount);
 }
}

```

```

 this.deposite(100);
 }
}
public class SavingsAccount extends Account
{
public void deposite(int amount)
{
System.out.println("Savings Account deposited with: " + amount);
}
}
public class ApplicationTester
{
 public static void main(String[] args)
 {
 Account account = new SavingsAccount();
 account.transaction();
 }
}

```

Choose the most appropriate option.

Select one:

- a. Account deposited with: 100
- b. Savings Account deposited with: 100 ✓
- c. Savings Account deposited with: 0
- d. Account deposited with: 0

The correct answer is: Savings Account deposited with: 100

### Question 37

Correct

Mark 1 out of 1

which of the following is block level html tags?

Select one:

- a. <b>
- b. <i>
- c. <h6> ✓
- d. <a>

Your answer is correct.

The correct answer is: <h6>

### Question 38

Incorrect

Mark 0 out of 1

'link', 'vlink' and 'alink' are attributes of which HTML tag?

Choose the most appropriate option.

Select one:

- a. <img>
- b. <body>
- c. <head>
- d. <a> ✗

Your answer is incorrect.

The correct answer is: <body>

### Question 39

Incorrect

Assume abc.html is existing and a valid HTML page. Refer the code below:

```

<form action="abc.html">
First Name: <input type="text"/>


```



```
<input type="submit" value="Submit" />
</form>
```

How many HTML controls will be displayed on the browser, when the above page is run on browser? Choose most appropriate option

Select one:

- a. 5
- b. 4 ✗
- c. 7
- d. 3

The correct answer is: 3

## Question 40

Correct

Mark 1 out of 1

Johana wants to display "Welcome to JS!!" as a pop up message using JavaScript. Which of the following suits her requirement?

Select one:

- a. alertmsg("Welcome to JS!!");
- b. alert("Welcome to JS!!"); ✓
- c. alert(Welcome to JS!!);
- d. alertBox("Welcome to JS!!");

The correct answer is: alert("Welcome to JS!!");

## Question 41

Correct

Mark 1 out of 1

In HTML, Which of the following is used to merge columns in a table? Choose most appropriate option.

Select one:

- a. colspan
- b. columns-span
- c. colspan ✓
- d. cspan

The correct answer is: colspan

## Question 42

Correct

Mark 1 out of 1

What would be the Output of the below java script Code?

```
<html> <body>
<script>
var x = 5; var d = (x != "5");
document.write(d + "--");
d = (x === "5"); document.write(d);
</script> </body>
</html>
```

Choose most appropriate option.

Select one:

- a. true–false
- b. false–true
- c. false–false ✓
- d. true–true

The correct answer is: false–false

## Question 43

Correct

Mark 1 out of 1

- Identify the CORRECT statements with respect to CSS.
- CSS is used for giving style for HTML content
  - External style sheet can be used only for one HTML page in a website
- Choose most appropriate option.

Select one:

- a. both a and b
- b. only b
- c. only a ✓
- d. neither a nor b

The correct answer is: only a

## Question 44

Correct

Mark 1 out of 1

```
<!DOCTYPE html>
<html>
<body>
<script>
var x = (3 + 3) + 4 + "6"; alert(x); //line 1
</script>
</body>
</html>
```

What will be printed in alert box in line 1? Choose most appropriate option.

Select one:

- a. 646
- b. 3346
- c. 16
- d. 106 ✓

The correct answer is: 106

## Question 45

Correct

Mark 1 out of 1

Identify the CORRECT HTML code to define the state of the hyperlink. The requirement is to display the hyperlink "Click" in RED color if user has already visited "https://portal.accenture.com". Choose most appropriate option.

Select one:

- a. <html>
 

```
<body link="red" >
 Click
</body>
</html>
```
- b. <html>
 

```
<body vlink="red" >
Click
</body>
</html> ✓
```
- c. <html>
 

```
<body>
 Click
</body>
</html>
```
- d. <html>
 

```
<body>
 Click
</body>
</html>
```

```
<body> Click
</body>
</html>
```

## Question 46

Correct

Mark 1 out of 1

Refer the code below:

Employee Details		
Employee Name	Department	
Jack	LKM	
Ace	Delivery	
Justin		

How many cells will be displayed when the page is displayed on the browser? Choose most appropriate option.

Select one:

- a. 9
- b. 8 ✓
- c. 7
- d. 10

The correct answer is: 8

## Question 47

Correct

Mark 1 out of 1

Which of the following is not a method of document object? Choose most appropriate option.

Select one:

- a. getElementById(String)
- b. print(String) ✓
- c. write(String)
- d. getElementByTagName(String)

The correct answer is: print(String)

## Question 48

Not answered

Marked out of 1

Consider the HTML code given below.

```
<html>
<head>
<script>
var key=10;
function add(){
 var key=20;
 window.key=key+1;
 document.write(key);
 document.write(" ");
 print();
}
function print(){
 document.write(key);
}
</script>
</head>
<body>
```

```
<input type="submit" value="Add" />
</form>
</body>
</html>
```

What will be displayed after executing the above code?

Choose the most appropriate option.

Select one:

- a. 20 21
- b. 11 10
- c. 11 11
- d. 21 21

Your answer is incorrect.

The correct answer is: 20 21

## Question 49

Correct

Mark 1 out of 1

How many cells will be created after executing the below HTML code?

```
<html>
<body>
<table border="1">
<tr> <td colspan="3"> Jack </td> </tr>
<tr> <td colspan="2"> Tom </td> <td> Mark </td> </tr>
<tr> <td rowspan="2"> John</td> <td> James</td> <td> Mary</td> </tr>
<tr> <td> Helen</td> <td> Sam </td> </tr>
</table>
</body>
</html>
```

Select one:

- a. 8 ✓
- b. 10
- c. 7
- d. 9

Your answer is correct.

The correct answer is: 8

## Question 50

Not answered

Marked out of 1

Consider the javascript code given below. What would be the print values from line 1 and line 2 on execution?

```
<html>
<body>
<p id="id1"></p><!-- line 1-->
<p id="id2"></p><!-- line 2-->
<script>
var y=10;
myFunction();
document.getElementById("id1").innerHTML = y;
document.getElementById("id2").innerHTML = window.y;
```

```
y=y+window.y
}
</script>
</body>
</html>
```

Choose the most appropriate option.

Select one:

- a. 10 30
- b. 40 40
- c. 10 10
- d. 10 40

Your answer is incorrect.

The correct answer is: 40 40

 [Dashboard](#) / [Mavericks Mock 2 - Quiz](#) / [Quiz](#) / [Quiz](#)

**Started on** Wednesday, 3 February 2021, 4:00 PM

**State** Finished

**Completed on** Wednesday, 3 February 2021, 5:05 PM

**Time taken** 1 hour 4 mins

**Grade** 44 out of 50 (88%)

## Question 1

Correct

Mark 1 out of 1

The employee table contains EmployeeNumber, EmployeeName, Salary and DeptCode Columns. Which is the CORRECT SQL query to display DeptCode and average salary of each department? Choose most appropriate option.

Select one:

- a. SELECT DeptCode,avg(salary) FROM Employee;
- b. SELECT DeptCode,avg(salary) FROM Employee GROUP BY DeptCode; ✓
- c. SELECT DeptCode,avg(salary) FROM Employee GROUP BY Salary;
- d. SELECT DeptCode,avg(salary) FROM Employee GROUP BY EmployeeNumber;

The correct answer is: SELECT DeptCode,avg(salary) FROM Employee GROUP BY DeptCode;

## Question 2

Correct

Mark 1 out of 1

Which is the CORRECT SQL statement to add the new column "DateOfJoining" to an existing table "Employee"? Choose most appropriate option.

Select one:

- a. ALTER TABLE Employee UPDATE DateOfJoining DATE;
- b. ALTER TABLE Employee ADD DateOfJoining DATE; ✓
- c. ALTER TABLE Employee MODIFY DateOfJoining DATE;
- d. CREATE TABLE Employee ADD DateOfJoining DATE;

The correct answer is: ALTER TABLE Employee ADD DateOfJoining DATE;

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Correct

Mark 1 out of 1

Which of the following statement(s) is/are TRUE?

- (i) In a non-correlated(independent) subquery, the subquery is always executed only once.
  - (ii) In a non-correlated(independent) subquery, the inner query (sub query) references the column from the outer query (main query).
- Choose most appropriate option

Select one:

- a. Only (i) 
- b. Only (ii)
- c. Neither (i) nor (ii)
- d. Both (i) and (ii)

The correct answer is: Only (i)

#### Question 4

Correct

Mark 1 out of 1

Consider the table Student(StudentId, StudentName, Email, PercentageOfMarks). Which is the CORRECT query to display the details in the ascending order (lowest to highest) of PercentageOfMarks and in the descending order of StudentId in case PercentageOfMarks is the same. Choose most appropriate option

Select one:

- a. SELECT StudentId, StudentName, Email, PercentageOfmarks FROM Student ORDER BY PercentageOfMarks DESC, StudentId;
- b. SELECT StudentId, StudentName, Email, PercentageOfmarks FROM Student ORDER BY PercentageOfMarks DESC, StudentId DESC;
- c. SELECT StudentId, StudentName, Email, PercentageOfmarks FROM Student ORDER BY PercentageOfMarks, StudentId DESC; 
- d. SELECT StudentId, StudentName, Email, PercentageOfmarks FROM Student ORDER BY StudentId DESC, PercentageOfMarks;

The correct answer is: SELECT StudentId, StudentName, Email, PercentageOfmarks FROM Student ORDER BY PercentageOfMarks, StudentId DESC;

Correct

Mark 1 out of 1

Which of the following statement(s) is/are TRUE?

- (i) In a correlated subquery, the subquery is always executed only once.
  - (ii) In a correlated subquery, the inner query (sub query) references the column from the outer query (main query).
- Choose most appropriate option.

Select one:

- a. Both (i) and (ii)
- b. Only (i)
- c. Only (ii) 
- d. Neither (i) nor (ii)

The correct answer is: Only (ii)

## Question 6

Correct

Mark 1 out of 1

What is the SQL query for finding the total number of rows in a given table 'emp'? Choose most appropriate option.

Select one:

- a. SELECT SUM FROM EMP;
- b. SELECT SUM(\*) FROM EMP;
- c. SELECT COUNT(\*) FROM EMP; 
- d. SELECT COUNT FROM EMP;

The correct answer is: SELECT COUNT(\*) FROM EMP;

Incorrect

Mark 0 out of 1

Consider table Item(itemId, category, unitprice). Identify the appropriate SQL statement to display item id and discount in the ascending order of discount. [Note: Discount should be 10% of unitprice] Choose most appropriate option.

Select one:

- a. select itemId, unitprice\*0.1 as discount from Item order by discount;
- b. select itemId, discount from Item order by discount;
- c. select itemId, discount=unitprice\*0.1 from Item order by discount; 
- d. select itemId, unitprice\*0.1 as discount from Item order by itemId;

The correct answer is: select itemId, unitprice\*0.1 as discount from Item order by discount;

## Question 8

Correct

Mark 1 out of 1

Assume that table Project is created using the DDL statement given below and has no records.

```
CREATE TABLE Project(projectId VARCHAR2(4) CONSTRAINT proj_pk PRIMARY KEY, projectName
VARCHAR2(10) DEFAULT 'NA' CONSTRAINT proj_nn NOT NULL);
```

Identify the INSERT statements which would successfully insert record into Project table. Choose two most appropriate options.

Select one or more:

- a. INSERT INTO project(projectName,projectId) VALUES('NA','P4'); 
- b. INSERT INTO project(projectId,projectName) VALUES('P3', Null);
- c. INSERT INTO project(projectId) VALUES('P2'); 
- d. INSERT INTO project VALUES('P1');

The correct answers are: INSERT INTO project(projectName,projectId) VALUES('NA','P4');, INSERT INTO project(projectId) VALUES('P2');



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Correct

Mark 1 out of 1

## State True/False?

The names of the foreign key field and the referenced field(in parent table) may be same or different, but must have the same data type.

Select one:

- a. True ✓
- b. False

The correct answer is: True

**Question 10**

Correct

Mark 1 out of 1

which command help us to get back the permission of accessing the table.

Select one:

- a. grant
- b. revoke ✓
- c. commit
- d. rollback

The correct answer is: revoke

**Question 11**

Correct

Mark 1 out of 1

Consider the table Products(pid,pname,pcost). Identify the appropriate SQL statement to rename the table to ProductsInfo . Choose most appropriate option.

Select one:

- a. ALTER TABLE Products UPDATE TO ProductsInfo;
- b. ALTER TABLE Products RENAME ProductsInfo;
- c. ALTER TABLE RENAME Products TO ProductsInfo;
- d. ALTER TABLE Products RENAME TO ProductsInfo; ✓

The correct answer is: ALTER TABLE Products RENAME TO ProductsInfo;



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Correct

Mark 1 out of 1

Consider the table employee(empname,salary) with some records. Identify a correct SQL statement to retrieve unique combination of empname and salary. Choose most appropriate option.

Select one:

- a. select distinct empname,distinct salary from employee;
- b. select empname,salary from employee;
- c. select empname,distinct salary from employee;
- d. select distinct empname,salary from employee; ✓

The correct answer is: select distinct empname,salary from employee;

### Question 13

Incorrect

Mark 0 out of 1

Consider the below tables.

Event(eventId,eventName) – eventId is primary key

Employee(empId, empName, eventId) – empId is primary key and eventId is foreign key referring to Event table.

Identify the correct SQL statement to retrieve empid, empname and eventName for all employees. If employee has not registered for an event then it should display 'Not Registered'.

Select one:

- a. SELECT e1.empId, e1.empName, NVL(e2.eventName,'Not Registered') FROM event e2 INNER JOIN employee e1 ON e2.eventId=e1.eventId;
- b. SELECT e1.empId, e1.empName, NVL(e2.eventName,'Not Registered') FROM event e2 LEFT OUTER JOIN employee e1 ON e2.eventId=e1.eventId;
- c. SELECT e1.empId, e1.empName, NVL(e2.eventName,'Not Registered') FROM employee e1 RIGHT OUTER JOIN event e2 ON e1.eventId=e2.eventId; ✗
- d. SELECT e1.empId, e1.empName, NVL(e2.eventName,'Not Registered') FROM employee e1 LEFT OUTER JOIN event e2 ON e1.eventId=e2.eventId;

Your answer is incorrect.

The correct answer is: SELECT e1.empId, e1.empName, NVL(e2.eventName,'Not Registered') FROM employee e1 LEFT OUTER JOIN event e2 ON e1.eventId=e2.eventId;

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Incorrect

Mark 0 out of 1

Consider table Customer(cid NUMBER(4), cname VARCHAR2(10) ) is created in the database and has no records. Refer to the below statements.

```
COMMIT;
INSERT INTO Customer VALUES(101,'John');
INSERT INTO Customer VALUES(102,'James');
DELETE FROM Customer WHERE cid=101;
INSERT INTO Customer VALUES(103,'Mark');
ROLLBACK;
COMMIT;
```

How many records will be available in the customer table if the above statements are executed in sequential order. Choose the most appropriate option.

Select one:

- a. 1
- b. 2
- c. 0
- d. 3 

Your answer is incorrect.

The correct answer is: 0

## Question 15

Correct

Mark 1 out of 1

Consider a table with the name Project is created using the SQL statement given below

```
CREATE TABLE Project(
projectid VARCHAR2(10) CONSTRAINT pkey PRIMARY KEY,
projectname VARCHAR2(10) CONSTRAINT pnull NOT NULL,
employeecount NUMBER(2) DEFAULT 0);
```

Which of the following statements insert record successfully to the Project table [Choose 2]

Select one or more:

- a. INSERT INTO project VALUES('P1','Finance',20); 
- b. INSERT INTO project VALUES('P1','Finance');
- c. INSERT INTO project(projectid,employeecount) VALUES('P3',10);
- d. INSERT INTO project(projectid,projectname) VALUES('P2','Finance'); 

Your answer is correct.

The correct answers are: INSERT INTO project VALUES('P1','Finance',20);, INSERT INTO project(projectid,projectname) VALUES('P2','Finance');



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Correct

Mark 1 out of 1

What will be the output of the following Java code?

```
public class ApplicationTester
{
 public static void main(String[] args)
 {
 String s1 = "One";
 String s2 = "One";
 System.out.println((s1==s2) + " " + s1.equals(s2));
 }
}
```

Choose the most appropriate option.

Select one:

- a. false false
- b. false true
- c. true true ✓
- d. true false

The correct answer is: true true

## Question 17

Correct

Mark 1 out of 1

which of the following represents correct order from the most to least restrictive? Choose most appropriate option.

Select one:

- a. protected,private,default,public
- b. private,protected,default,public
- c. private,default,protected,public ✓
- d. public,protected,default,private

The correct answer is: private,default,protected,public



Correct

Mark 1 out of 1

What will be the output of the following Java code?

```
public class Rectangle
{
 private int length;
 private int width;
 public static void main(String[] args)
 {
 Rectangle rectangle1 = new Rectangle();
 rectangle1.length=10;
 rectangle1.width=5;
 Rectangle rectangle2 = rectangle1;
 System.out.println("Length : "+rectangle2.length);
 System.out.println("Width : "+rectangle2.width);
 }
}
```

Choose the most appropriate option.

Select one:

- a. Length: 5 Width: 10
- b. Length : 10 Width : 5 ✓
- c. Length : 0 Width : 0
- d. Length : null Width : null

The correct answer is: Length : 10 Width : 5

Correct

Mark 1 out of 1

What will be the output of the following Java code?

```
public class StringTester
{
 public static void main(String[] args)
 {
 String player1 = new String ("virat kohli");
 String player2 = new String("GAYLE");
 player1.toUpperCase();
 String newPlayer=player1.substring(6);
 newPlayer = newPlayer + player2.toLowerCase();
 System.out.println(newPlayer);
 }
}
```

Choose the most appropriate option.

Select one:

- a. KOHLIgayle
- b. KOHLI gayle
- c. kohliGAYLE
- d. kohligayle ✓

The correct answer is: kohligayle

Correct

Mark 1 out of 1

Consider the Java code given below. How many times "Accenture" will be printed when the code is executed?

```
public class Tester
{
 public static void main(String[] args)
 {
 for(int i=0; i <5; i++)
 {
 System.out.println("Accenture");
 i++;
 }
 }
}
```

Choose the most appropriate option.

Select one:

- a. 3 times ✓
- b. 1 time
- c. 4 times
- d. 2 times

The correct answer is: 3 times

## Question 21

Incorrect

Mark 0 out of 1

If Employee class is created inside com.test package, what could be the first line in class? Choose most appropriate option.

Select one:

- a. package com.test.Employee ✗
- b. class Employee{}
- c. package com.test
- d. packages com.test

The correct answer is: package com.test

Correct

Mark 1 out of 1

What will be the output of the following Java code?

```
public class ApplicationTester
{
 public static void main(String[] args)
 {
 int i=10;
 while(++i<15)
 {
 System.out.print(i + " ");
 }
 }
}
```

Choose the most appropriate option.

Select one:

- a. 10 11 12 13 14
- b. 11 12 13 14 ✓
- c. 15
- d. 14

The correct answer is: 11 12 13 14

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Incorrect

Mark 0 out of 1

What will be the output of the following Java code?

```
public class MyClass
{
 private static int count;
 static
 {
 MyClass.count = 100;
 //Line-1
 int count = 100;
 //Line-2
 }
 public MyClass()
 {
 count++ ;
 }
 public static int getCount()
 {
 return count;
 }
}
public class StaticTester
{
 public static void main(String[] args)
 {
 MyClass ref1 = new MyClass();
 MyClass ref2 = new MyClass();
 System.out.println(ref1.getCount());
 }
}
```

Choose the most appropriate option.

Select one:

- a. 2
- b. Compilation error at Line-2: Duplicate variable 'count'
- c. Compilation error at Line-1: Invalid variable reference 'MyClass.count' ✗
- d. 102

The correct answer is: 102

Correct

Mark 1 out of 1

Analyse the following pseudo code and identify the CORRECT output.

Note: Assume that the input given for Basic is 12000 and Allowances is 3000

1. input Basic, Allowances
2. Gross\_Salary = Basic + Allowances
3. if (Gross\_Salary > 10000) then
4. Tax = 0.1 \* Gross\_Salary
5. Net\_Salary = Gross\_Salary - Tax
6. else
7. Net\_Salary = Gross\_Salary
8. end-if
9. display Net\_Salary

Choose the most appropriate option.

Select one:

- a. 13500 ✓
- b. 14985
- c. 15000
- d. 14000

The correct answer is: 13500

Correct

Mark 1 out of 1

What will be the output of the following Java code?

```
class Employee
{
 public void display()
 {
 System.out.print(" Employee ");
 }
}
class Trainee extends Employee
{
public void display()
{
System.out.print(" Trainee ");
super.display();
// Line X
}
}
public class DynamicBindingTester
{
 public static void main(String[] args)
 {
 Employee e=new Trainee();
 // Line Y
 e.display();
 }
}
```

Choose the most appropriate option.

Select one:

- a. Compilation Error at Line X: Parent class method invocation should be the first statement inside the method
- b. Trainee Employee ✓
- c. Compilation Error at Line Y: Invalid reference type
- d. Employee Trainee

The correct answer is: Trainee Employee

Correct

Mark 1 out of 1

What will be the output of the following Java code?

```
public class LocalVariableTester
{
 public static void main(String[] args)
 {
 int data1=8, data2;
 if(data1 >= 10)
 {
 data2 = 20;
 }
 System.out.println(data1 + " " + data2);
 }
}
```

Choose the most appropriate option

Select one:

- a. Compilation error: The local variable 'data2' may not have been initialized ✓
- b. 10 20
- c. 10 null
- d. 10 0

The correct answer is: Compilation error: The local variable 'data2' may not have been initialized

Correct

Mark 1 out of 1

What will be the output of the following Java code?

```
public class IfTester
{
 public static void main(String[] args)
 {
 int number1 = 10, number2;
 if(number1 == 10)
 {
 number2 = 20;
 }
 if (number1 != 10)
 {
 number2 = 30;
 }
 System.out.println("Number2 :" + number2);
 }
}
```

Choose the most appropriate option.

Select one:

- a. Number2 :30
- b. Number2 :20
- c. Number2 :0
- d. Compilation Error: The local variable number2 may not have been initialized ✓

The correct answer is: Compilation Error: The local variable number2 may not have been initialized



Incorrect

Mark 0 out of 1

What will be the output of the following Java code?

```
public class Visitor
{
 private static int visitorCount;
 public Visitor()
 {
 visitorCount = 0;
 //Line-1
 visitorCount++;
 }
 public static int getVisitorCount()
 {
 return Visitor.visitorCount;
 }
}
public class ApplicationTester
{
 public static void main(String[] args)
 {
 Visitor visitor1 = new Visitor();
 Visitor visitor2 = new Visitor();
 Visitor visitor3 = new Visitor();
 System.out.println(Visitor.getVisitorCount());
 }
}
```

Choose the most appropriate option.

Select one:

- a. Compilation error at Line-1: cannot refer 'visitorCount' in a non-static context ✗
- b. 1
- c. 0
- d. 3

The correct answer is: 1

 Sanjana Pawar.

Correct

Mark 1 out of 1

What will be the output of the following Java code?

```
public class BaseClass
{
 public static void method()
 {
 System.out.println("1");
 }
}
public class DerivedClass extends BaseClass
{
 public static void method()
 {
 System.out.println("2");
 }
}
public class ApplicationTester
{
 public static void main(String[] args)
 {
 BaseClass ref = new DerivedClass();
 ref.method();
 //Line-1
 }
}
```

Choose the most appropriate option.

Select one:

- a. Program will display both 1 and 2
- b. 2
- c. Compilation error at Line-1: Ambiguous method call 'ref.method()'
- d. 1 

The correct answer is: 1



Correct

Mark 1 out of 1

What will be the output of the following Java code?

```
public class ApplicationTester
{
 public static void main(String[] args)
 {
 int[] array = {11,22,33,44,55,11};
 int searchNumber = 11, position=999;
 for(int index=0; index < array.length; index++)
 {
 if(searchNumber == array[index])
 {
 position = index;
 }
 System.out.println(position);
 }
 }
}
```

Choose the most appropriate option.

Select one:

- a. 6
- b. 1
- c. 5 ✓
- d. 0

The correct answer is: 5



Correct

Mark 1 out of 1

Chaining What is the output for the below code ?

```
class A
{
 public A()
 {
 System.out.print("A ");
 }
 public A(int i)
 {
 System.out.print(i+" ");
 }
}
class B extends A
{
public B ()
{
 super();
 System.out.print("B ");
}

public B (int i)
{
 super(i);
 System.out.print(i+3+" ");
}
}

public class Test
{
 public static void main (String[] args)
 {
 new B(5);
 }
}
```

Choose most appropriate option.

Select one:

- a. A B 5
- b. B 8 A 5
- c. A B 8
- d. 5 8 ✓

The correct answer is: 5 8

Correct

Mark 1 out of 1

What is the output of the below code?

```
public class Calculator
{
 public static void main(String[] args)
 {
 int result = 0;
 Calculator calculator = new Calculator();
 calculator.add(10, 20, result);
 System.out.println("Result : " + result);
 }
 public void add(int num1, int num2, int result)
 {
 result = num1 + num2;
 }
}
```

Choose the most appropriate option.

Select one:

- a. Result: 20
- b. Result : 30
- c. Result : null
- d. Result : 0 ✓

The correct answer is: Result : 0



Correct

Mark 1 out of 1

What will be the output of the following Java code?

```
class Test extends Throwable { }
class Base extends Test {}
public class Main {
 public static void main(String args[]) {
 try {
 throw new Base();
 }
 catch(Test t) {
 System.out.println("Test Exception");
 }
 finally {
 System.out.println("Finally block ");
 }
 }
}
```

Select one:

- a. Compilation error : Base class can't extends Test
- b. print-"Test Exception"
- c. Compilation error: Test Class cant extends Throwable
- d. print - "Test Exception" "Finally block "

The correct answer is: print - "Test Exception" "Finally block "

Correct

Mark 1 out of 1

What will be the output of the following Java code?

```
public class ApplicationTester
{
 public static void main(String[] args)
 {
 int[] array = {-9,-11-8,-100,-78};
 int minimum = 0;
 for(int index=0; index < array.length; index++)
 {
 if(minimum < array[index])
 { minimum = array[index];
 }
 }
 System.out.println(minimum);
 }
}
```

Choose the most appropriate option.

Select one:

- a. -8
- b. -100
- c. 0 ✓
- d. null

The correct answer is: 0

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Correct

Mark 1 out of 1

What will be the output of the following Java code?

```
public class Account
{
 public void deposite(int amount)
 {
 System.out.println("Account deposited with: " + amount);
 }
 public void transaction()
 {
 this.deposite(100);
 }
}
public class SavingsAccount extends Account
{
 public void deposite(int amount)
 {
 System.out.println("Savings Account deposited with: " + amount);
 }
}
public class ApplicationTester
{
 public static void main(String[] args)
 {
 Account account = new SavingsAccount();
 account.transaction();
 }
}
```

Choose the most appropriate option.

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**State** Finished

**Completed on** Monday, 1 February 2021, 5:18 PM

**Time taken** 1 hour 18 mins

**Grade** 30 out of 50 (60%)

## Question 1

Correct

Mark 1 out of 1

Consider the table Student(StudentId, StudentName, Email, PercentageOfMarks). Which is the CORRECT query to display the details in the ascending order (lowest to highest) of PercentageOfMarks and in the descending order of StudentId in case PercentageOfMarks is the same. Choose most appropriate option

Select one:

- a. SELECT StudentId, StudentName, Email, PercentageOfmarks FROM Student ORDER BY PercentageOfMarks DESC, StudentId;
- b. SELECT StudentId, StudentName, Email, PercentageOfmarks FROM Student ORDER BY PercentageOfMarks DESC, StudentId DESC;
- c. SELECT StudentId, StudentName, Email, PercentageOfmarks FROM Student ORDER BY StudentId DESC, PercentageOfMarks;
- d. SELECT StudentId, StudentName, Email, PercentageOfmarks FROM Student ORDER BY PercentageOfMarks, StudentId DESC; ✓

The correct answer is: SELECT StudentId, StudentName, Email, PercentageOfmarks FROM Student ORDER BY PercentageOfMarks, StudentId DESC;

## Question 2

Incorrect

Mark 0 out of 1

Identify the CORRECT SQL statement(s) to remove ONLY the data from "Employee" table?

- (i) DROP TABLE Employee;
  - (ii) DELETE FROM Employee;
  - (iii) TRUNCATE TABLE Employee;
- Choose most appropriate option.

Select one:

- a. Both (i) and (ii)
- b. Both (i) and (iii) ✗
- c. (i), (ii) and (iii)
- d. Both (ii) and (iii)

The correct answer is: Both (ii) and (iii)

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Correct

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The employee tables contains EmployeeId,EmployeeName and DeptCode Columns. Which is the CORRECT SQL query to select EmployeeId and EmployeeName of employees who are working in DeptCode 10 OR 20?

- (i) SELECT EmployeeId,EmployeeName FROM Employee WHERE DeptCode IN (10,20);
  - (ii) SELECT EmployeeId,EmployeeName FROM Employee WHERE DeptCode = 10 OR DeptCode = 20;
- Choose most appropriate option.

Select one:

- a. Only (i)
- b. Both (i) and (ii) 
- c. Only (ii)
- d. Neither (i) nor (ii)

The correct answer is: Both (i) and (ii)

#### Question 4

Correct

Mark 1 out of 1

The employee table contains EmployeeNumber, EmployeeName, Salary and DeptCode Columns. Which is the CORRECT SQL query to display DeptCode and average salary of each department? Choose most appropriate option.

Select one:

- a. SELECT DeptCode,avg(salary) FROM Employee GROUP BY DeptCode; 
- b. SELECT DeptCode,avg(salary) FROM Employee;
- c. SELECT DeptCode,avg(salary) FROM Employee GROUP BY EmployeeNumber;
- d. SELECT DeptCode,avg(salary) FROM Employee GROUP BY Salary;

The correct answer is: SELECT DeptCode,avg(salary) FROM Employee GROUP BY DeptCode;

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Incorrect

Mark 0 out of 1

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Consider a table Account(accountId, balance).

Observe the below statements. Few queries results in same output. Identify those queries. (Choose two).

Select one or more:

- a. SELECT \* FROM Account WHERE balance > 1000 AND balance < 5000; 
- b. SELECT \* FROM Account WHERE balance >= 1000 OR balance <= 5000;
- c. SELECT \* FROM Account WHERE balance between 1000 AND 5000; 
- d. SELECT \* FROM Account WHERE balance >= 1000 AND balance <= 5000;

The correct answers are: `SELECT * FROM Account WHERE balance >= 1000 AND balance <= 5000;`, `SELECT * FROM Account WHERE balance between 1000 AND 5000;`

## Question 6

Incorrect

Mark 0 out of 1

Which of the following SQL query will not be executed successfully? Assume all the column names and table name given here are correct. Choose the most appropriate option.

Select one:

- a. `SELECT deptno FROM emp GROUP BY deptno,job;`
- b. `SELECT ename FROM emp ORDER by ename,job GROUP BY ename;`
- c. `SELECT deptno,ename FROM emp WHERE empno > 100 group by ename,deptno;` 

The correct answer is: `SELECT ename FROM emp ORDER by ename,job GROUP BY ename;`



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Incorrect

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Which of the following statement(s) is/are TRUE?

- (i) In a correlated subquery, the subquery is always executed only once.
  - (ii) In a correlated subquery, the inner query (sub query) references the column from the outer query (main query).
- Choose most appropriate option.

Select one:

- a. Neither (i) nor (ii)
- b. Only (i) X
- c. Both (i) and (ii)
- d. Only (ii)

The correct answer is: Only (ii)

## Question 8

Incorrect

Mark 0 out of 1

Consider table Students(sid NUMBER(3),sname VARCHAR2(10),scontact NUMBER(10) ) is already created in the database.

It is required to change the data type of the column "scontact" to VARCHAR2(15).

Which of the following is Correct for the above requirement?

Note: sid column is primary key. Choose most appropriate option.

Select one:

- a. To change the data type of a column, it is important to ensure that the corresponding column is not having data for any of the record
- b. There are no criteria to be followed. We can change the datatype of the column irrespective of the data X
- c. It is not possible to change the data type of a column
- d. Data type can be changed only for primary key column

The correct answer is: To change the data type of a column, it is important to ensure that the corresponding column is not having data for any of the record

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Correct

Mark 1 out of 1

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Consider table Item(itemId, category, unitprice). Identify the appropriate SQL statement to display item id and discount order of discount. [Note: Discount should be 10% of unitprice] Choose most appropriate option.

Select one:

- a. select itemId, unitprice\*0.1 as discount from Item order by itemId;
- b. select itemId, discount=unitprice\*0.1 from Item order by discount;
- c. select itemId, unitprice\*0.1 as discount from Item order by discount; ✓
- d. select itemId, discount from Item order by discount;

The correct answer is: select itemId, unitprice\*0.1 as discount from Item order by discount;

## Question 10

Incorrect

Mark 0 out of 1

Assume that table Employee is created with foreign key column managerid referring to empid column of same table and the following records are inserted.

EMPID	EMPNAME	MANAGERID
1001	James	NULL
1002	Mark	1001
1003	Mary	1002
1004	Mark	1001

How many rows will be deleted after executing the below DML statement? DELETE FROM employee WHERE empid=1001; Choose most appropriate option.

Select one:

- a. 1 ✗
- b. 2
- c. 3
- d. Error: Integrated constraint violated. Child record found

The correct answer is: Error: Integrated constraint violated. Child record found



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Correct

Mark 1 out of 1

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Consider the table Projects, has following records.

**ProjectId    Start\_date**-----  
100        12-Jan-2017

Which of the following SQL statement retrieve the output as follows?

**Start\_date**-----  
JAN, 12-2017

Choose most appropriate option.

Select one:

- a. SELECT TO\_DATE(Start\_date,'MON, DD-YYYY') FROM Projects;
- b. SELECT TO\_CHAR(Start\_date,'MMM, DD-YYYY') FROM Projects;
- c. SELECT TO\_CHAR(Start\_date,'MON, DD-YYYY') FROM Projects; ✓
- d. SELECT TO\_DATE(Start\_date,'MMM, DD-YYYY') FROM Projects;

The correct answer is: SELECT TO\_CHAR(Start\_date,'MON, DD-YYYY') FROM Projects;

## Question 12

Incorrect

Mark 0 out of 1

Identify the CORRECT SQL statement to create a table with composite primary key. Choose most appropriate option.

Select one:

- a. CREATE TABLE Account (AccountNumber Number(5), CustomerId Number(10), OpeningDate Date, Balance Number(10,2), CONSTRAINT Acc\_Pkey COMPOSITE PRIMARY KEY (AccountNumber,CustomerId)); ✗
- b. CREATE TABLE Account (AccountNumber Number(5) CONSTRAINT Acc\_Pkey1 PRIMARY KEY, CustomerId Number(10) CONSTRAINT Acc\_Pkey2 PRIMARY KEY, OpeningDate Date, Balance Number(10,2));
- c. CREATE TABLE Account (AccountNumber Number(5), CustomerId Number(10), OpeningDate Date, Balance Number(10,2), CONSTRAINT Acc\_Pkey PRIMARY KEY (AccountNumber,CustomerId));
- d. CREATE TABLE Account (AccountNumber Number(5), CustomerId Number(10) CONSTRAINT Acc\_Pkey2 PRIMARY KEY (AccountNumber,CustomerId), OpeningDate Date, Balance Number(10,2));

The correct answer is: CREATE TABLE Account (AccountNumber Number(5), CustomerId Number(10), OpeningDate Date, Balance Number(10,2), CONSTRAINT Acc\_Pkey PRIMARY KEY (AccountNumber,CustomerId));

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Incorrect

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Consider the following tables:

Vendor (VendorId, VendorName, PhoneNumber). Here VendorId is the primary key.

Item (ItemCode, UnitPrice, QuantityOnHand, VendorId) Here ItemCode is the primary key and VendorId is the foreign VendorId in Vendor Table.

Which is the CORRECT SQL query to display ItemCode, UnitPrice, VendorName for all Items. It should also display the details of the items which is not having any vendor?

Choose most appropriate option

Select one:

- a. SELECT Item.ItemCode,Item.UnitPrice,Vendor.VendorName FROM Item LEFT OUTER JOIN Vendor ON Item.VendorId = Vendor.VendorId;
- b. SELECT Item.ItemCode,Item.UnitPrice,Vendor.VendorName FROM Item INNER JOIN Vendor ON Item.VendorId = Vendor.VendorId;
- c. SELECT Item.ItemCode,Item.UnitPrice,Vendor.VendorName FROM Item, Vendor WHERE Item.VendorId = Vendor.VendorId;
- d. SELECT Item.ItemCode,Item.UnitPrice,Vendor.VendorName FROM Item INNER JOIN Vendor ON Item.VendorId = Vendor.VendorId AND Item.VendorId IS NULL; 

Your answer is incorrect.

The correct answer is: SELECT Item.ItemCode,Item.UnitPrice,Vendor.VendorName FROM Item LEFT OUTER JOIN Vendor ON Item.VendorId = Vendor.VendorId;

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Correct

Mark 1 out of 1

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Consider the tables given below.

Customer(customerId,(customerName)

Book(bookId, bookName)

Purchase(purchaseId, bookId, customerId)

bookId and customerId in purchase table are foreign keys referring to Book and Customer tables respectively.

Which is the CORRECT SQL statement to retrieve customer name and book name for all books purchased by customers.

Select one:

- a. SELECT c.customerName,b.bookName  
FROM customer c INNER JOIN purchase p  
ON c.customerId=p.customerId  
SELF JOIN book b  
ON b.bookid=p.bookid;
- b. SELECT c.customerName,b.bookName  
FROM customer c INNER JOIN purchase p  
ON c.customerId=p.customerId  
INNER JOIN book b  
ON b.bookid=p.bookid; ✓
- c. SELECT c.customerName,b.bookName  
FROM customer c INNER JOIN purchase p  
ON c.customerId=p.customerId;
- d. SELECT c.customerName,b.bookName  
FROM customer c INNER JOIN purchase p  
INNER JOIN book b  
ON b.bookid=p.bookid AND c.customerId=p.customerId;

Your answer is correct.

The correct answer is: SELECT c.customerName,b.bookName  
FROM customer c INNER JOIN purchase p  
ON c.customerId=p.customerId  
INNER JOIN book b  
ON b.bookid=p.bookid;

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Correct

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Consider the below tables.

Event(eventId,eventName) – eventId is primary key

Employee(empld, empName, eventId) – empld is primary key and eventId is foreign key referring to Event table.

Identify the correct SQL statement to retrieve empid, empname and eventName for all employees. If employee has no event then it should display 'Not Registered'.

Select one:

- a. SELECT e1.empld, e1.empName, NVL(e2.eventName,'Not Registered') FROM employee e1 RIGHT OUTER JOIN event e2 ON e1.eventId=e2.eventId;
- b. SELECT e1.empld, e1.empName, NVL(e2.eventName,'Not Registered') FROM event e2 LEFT OUTER JOIN employee e1 ON e2.eventId=e1.eventId;
- c. SELECT e1.empld, e1.empName, NVL(e2.eventName,'Not Registered') FROM employee e1 LEFT OUTER JOIN event e2 ON e1.eventId=e2.eventId; 
- d. SELECT e1.empld, e1.empName, NVL(e2.eventName,'Not Registered') FROM event e2 INNER JOIN employee e1 ON e2.eventId=e1.eventId;

Your answer is correct.

The correct answer is: SELECT e1.empld, e1.empName, NVL(e2.eventName,'Not Registered') FROM employee e1 LEFT OUTER JOIN event e2 ON e1.eventId=e2.eventId;

## Question 16

Correct

Mark 1 out of 1

What will be the output of the following Java code?

```
public class ApplicationTester
{
 public static void main(String[] args)
 {
 int i=10;
 while(++i<15)
 {
 System.out.print(i + " ");
 }
 }
}
```

Choose the most appropriate option.

Select one:

- a. 15
- b. 10 11 12 13 14
- c. 14
- d. 11 12 13 14 

The correct answer is: 11 12 13 14

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Incorrect

Mark 0 out of 1

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What will be the output of the following Java code?

```
public class StringTester
{
public static void main(String[] args)
{
 String player1 = new String ("virat kohli");
 String player2 = new String("GAYLE");
 player1.toUpperCase();
 String newPlayer=player1.substring(6);
 newPlayer = newPlayer + player2.toLowerCase();
 System.out.println(newPlayer);
}
```

Choose the most appropriate option.

Select one:

- a. KOHLIgayle ✗
- b. KOHLI gayle
- c. kohliGAYLE
- d. kohligayle

The correct answer is: kohligayle

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Correct

Mark 1 out of 1

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Consider the Java code given below. How many times "Accenture" will be printed when the code is executed?

```
public class Tester
{
 public static void main(String[] args)
 {
 for(int i=0; i <5; i++)
 {
 System.out.println("Accenture");
 i++;
 }
 }
}
```

Choose the most appropriate option.

Select one:

- a. 4 times
- b. 3 times ✓
- c. 2 times
- d. 1 time

The correct answer is: 3 times

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Correct

Mark 1 out of 1

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Consider the Java code given below. How many times "1" will be printed when the code is executed?

```
public class ApplicationTester
{
 public static void main(String[] args)
 {
 int i = -1;
 while(++i <= 1)
 {
 System.out.println("1");
 i++;
 }
 }
}
```

Choose the most appropriate option.

Select one:

- a. 1 time ✓
- b. 2 times
- c. 3 times
- d. Nothing will be printed.

The correct answer is: 1 time

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Correct

Mark 1 out of 1

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What will be the output of the following Java code?

```
class StringSample
{
 public StringSample(String string)
 {
 System.out.println("The string is " + string);
 }
}
public class ConstructorTester1
{
 public static void main(String[] args)
 {
 StringSample stringSample = new StringSample();
 StringSample stringSample1 = new StringSample("Test String");
 }
}
```

Choose the most appropriate option.

Select one:

- a. The string is null
- b. The string is null The string is Test String
- c. Compilation Error: The constructor StringSample() is undefined ✓
- d. The string is Test String

The correct answer is: Compilation Error: The constructor StringSample() is undefined

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Incorrect

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What will be the output of the following Java code?

```
public class ApplicationTester
{
 public static void main(String[] args)
 {
 int i=0;
 for(i=0; i<10; i++)
 {
 if(i == 5)
 {
 continue;
 }
 i++;
 System.out.print(i + " ");
 }
 }
}
```

Choose the most appropriate option.

Select one:

- a. 1 3 5 7 9
- b. 1 2 3 4 and then program will get into infinite loop
- c. 1 2 3 4 5 6 7 8 9
- d. 1 2 3 4 6 7 8 9 

The correct answer is: 1 3 5 7 9

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Incorrect

Mark 0 out of 1

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Identify the appropriate relationship between the classes House and Room. Assume that getter and setter methods variables are implemented

```
class Room
{
 private int length;
 private float width;
}

class House
{
 private float area;
 private Room room;
 public House()
 {
 room=new Room();
 }
}
```

Choose the most appropriate option

Select one:

- a. Specialization
- b. Aggregation 
- c. Composition
- d. No relationship exists between class House and class Room

The correct answer is: Composition

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Incorrect

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What will be the output of the following Java code?

```
public class Employee
{
 private String mailId;
 public void setEmailId(String mailId)
 {
 this.mailId = mailId;
 }
 public String getEmailId()
 {
 return this.mailId;
 }
}
public class UtilityClass
{
 public static void updateEmailId(Employee emp)
 {
 emp.setEmailId("xyz@accenture.com");
 }
}
public class ApplicationTester { public static void main(String[] args)
{
 Employee employee1 = new Employee();
 employee1.setEmailId("abc@gmail.com");
 UtilityClass.updateEmailId(employee1);
 //Line-1
 System.out.println(employee1.getEmailId());
}
}
```

Choose the most appropriate option.

Select one:

- a. xyz@accenture.com
- b. Compilation error at Line-1: Invalid method call 'UtilityClass.updateEmailId(String)' 
- c. null
- d. abc@gmail.com

The correct answer is: xyz@accenture.com

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Correct

Mark 1 out of 1

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Analyse the following pseudo code and identify the CORRECT output.

Note: Assume that the input given for Basic is 12000 and Allowances is 3000

1. input Basic, Allowances
2. Gross\_Salary= Basic + Allowances
3. if (Gross\_Salary > 10000) then
4. Tax = 0.1 \* Gross\_Salary
5. Net\_Salary = Gross\_Salary - Tax
6. else
7. Net\_Salary = Gross\_Salary
8. end-if
9. display Net\_Salary

Choose the most appropriate option.

Select one:

- a. 14000
- b. 14985
- c. 13500 ✓
- d. 15000

The correct answer is: 13500

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Correct

Mark 1 out of 1

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What is the output expected for the below code ?

```
public class ConstructorTest
{
 private ConstructorTest(int w) // line 2
 {
 System.out.println(w);
 }
 public static ConstructorTest() // line 6
 {
 System.out.println(10);
 }
 public static void main(String args[])
 {
 ConstructorTest obj = new ConstructorTest(50);
 }
}
```

Choose most appropriate option.

Select one:

- a. 10 50
- b. 10
- c. Won't compile because of line (6) constructor can't be static ✓
- d. 50

The correct answer is: Won't compile because of line (6) constructor can't be static

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Correct

Mark 1 out of 1

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What will be the output of the following Java code?

```
public class MyClass
{
 public static void main (String[] args)
 {
 int value1=33;
 int value2=-value1;
 int value3=value1++;
 System.out.println(value1+" "+value2+" "+value3);
 }
}
```

Choose the most appropriate option.

Select one:

- a. 32 33 32
- b. 33 32 32 ✓
- c. 32 32 33
- d. 32 32 32

The correct answer is: 33 32 32

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Correct

Mark 1 out of 1

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Chaining What is the output for the below code ?

```
class A
{
 public A()
 {
 System.out.print("A ");
 }
 public A(int i)
 {
 System.out.print(i+" ");
 }
}
class B extends A
{
public B ()
{
 super();
 System.out.print("B ");
}

public B (int i)
{
 super(i);
 System.out.print(i+3+" ");
}
}

public class Test
{
 public static void main (String[] args)
 {
 new B(5);
 }
}
```

Choose most appropriate option.

Select one:

- a. A B 5
- b. A B 8
- c. B 8 A 5
- d. 5 8 ✓

The correct answer is: 5 8

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Correct

Mark 1 out of 1

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What will be the output of the following Java code?

```
public class MyClass
{
 private static int data;
 static
 {
 MyClass.data = 999;
 }
 public static int getData()
 {
 return data;
 }
 public static void setData(int data)
 {
 MyClass.data = data;
 }
}
public class ApplicationTester
{
 public static void main(String[] args)
 {
 MyClass ref1 = new MyClass();
 MyClass ref2 = new MyClass();
 System.out.print(ref1.getData());
 ref2.setData(111);
 System.out.println(" " + ref1.getData());
 }
}
```

Choose the most appropriate option.

Select one:

- a. 0 111
- b. 111 111
- c. 999 111 ✓
- d. 999 999

The correct answer is: 999 111

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Incorrect

Mark 0 out of 1

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```
class Test
{
static
{
 System.out.println("A");
}
}
public class Demo
{
static
{
 System.out.println("B");
}
public static void main(String[] args)
{
 Test t=new Test();
}
static
{
 System.out.println("D");
}
}
```

Choose the most appropriate option.

Select one:

- a. B A D
- b. A D B
- c. A B D 
- d. B D A

The correct answer is: B D A

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Correct

Mark 1 out of 1

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What will be the output of the following Java code?

```
public class StringTester
{
 public static void main(String[] args)
 {
 String s1=new String("Accenture");
 String s2=new String("India Limited");
 s1.concat(s2);
 System.out.println(s1);
 }
}
```

Choose the most appropriate option.

Select one:

- a. Accenture India Limited
- b. India Limited
- c. Accenture India
- d. Accenture ✓

The correct answer is: Accenture

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Incorrect

Mark 0 out of 1

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What will be the output of the following Java code?

```
public class ApplicationTester
{
public static void main(String[] args)
{
 int i=1, j=1;
 while(i <= 3)
 {
 j=1;
 do
 {
 System.out.println("Java");
 i++;
 j++;
 }while(j <= 2);
 }
}
```

Choose the most appropriate option.

Select one:

- a. "Java" will be displayed 3 times
- b. "Java" will be displayed 6 times
- c. "Java" will be displayed 2 times 
- d. "Java" will be displayed 4 times

The correct answer is: "Java" will be displayed 4 times

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Incorrect

Mark 0 out of 1

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What will be the output of the following Java code?

```
public class ApplicationTester
{
 public static void main(String[] args)
 {
 int[] array = {11,22,33,44,55,11};
 int searchNumber = 11, position=999;
 for(int index=0; index < array.length; index++)
 {
 if(searchNumber == array[index])
 {
 position = index;
 }
 System.out.println(position);
 }
 }
}
```

Choose the most appropriate option.

Select one:

- a. 6
- b. 0 
- c. 5
- d. 1

The correct answer is: 5

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Incorrect

Mark 0 out of 1

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What will be the output of the following Java code?

```
public class Account
{
 public void deposite(int amount)
 {
 System.out.println("Account deposited with: " + amount);
 }
 public void transaction()
 {
 this.deposite(100);
 }
}
public class SavingsAccount extends Account
{
 public void deposite(int amount)
 {
 System.out.println("Savings Account deposited with: " + amount);
 }
}
public class ApplicationTester
{
 public static void main(String[] args)
 {
 Account account = new SavingsAccount();
 account.transaction();
 }
}
```

Choose the most appropriate option.

Select one:

- a. Savings Account deposited with: 0
- b. Savings Account deposited with: 100
- c. Account deposited with: 100 ✕
- d. Account deposited with: 0

The correct answer is: Savings Account deposited with: 100



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**Started on** Friday, 5 February 2021, 4:00 PM

**State** Finished

**Completed on** Friday, 5 February 2021, 4:51 PM

**Time taken** 50 mins 59 secs

## Question 1

Correct

Marked out of 1.00

How do we change the state of an object ?

Select one:

- a. Using Object's default methods
- b. Using object's property
- c. Using class name
- d. Using object's behavior ✓

The correct answer is: Using object's behavior

## Question 2

Correct

Marked out of 1.00

Select the true statement ?

Select one:

- a. Aggregation forms the is-a type of relationship between classes.
- b. Aggregation forms a is-a part of relationship between classes. Composition is the stronger form of Aggregation. ✓
- c. Inheritance forms a is-a part of relationship between classes.
- d. Aggregation is the stronger form of Inheritance.

The correct answer is: Aggregation forms a is-a part of relationship between classes. Composition is the stronger form of Aggregation.

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Correct

Marked out of 1.00

Select the benefits of OOP ?

Select one or more:

- a. Resuability ✓
- b. code deployment
- c. Testing
- d. Ease of design ✓

The correct answers are: Ease of design, Resuability

#### Question 4

Correct

Marked out of 1.00

Which of the below terms represents the levels of hierarchy ?

Select one or more:

- a. Aggregation ✓
- b. Generalization ✓
- c. Compound
- d. Multi-Level

The correct answers are: Generalization, Aggregation

#### Question 5

Incorrect

Marked out of 1.00

How does the different section of an application communicate in an OO approach ?

Select one:

- a. In OO approach, the diffferent sections run in isolation so they will NOT interact
- b. Different sections of the application interact through file system ✗
- c. Different sections of the application interact through database
- d. The objects created during runtime by different sections of the application interact through messages

The correct answer is: The objects created during runtime by different sections of the application interact through messages

Incorrect

Marked out of 1.00

Select the principle that best describes the given scenario. The wind is called a breeze if it is gentle. The wind is called a storm if it is harsh.

Select one:

- a. Typing
- b. Abstraction 
- c. Aggregation
- d. Polymorphism

The correct answer is: Polymorphism

### Question 7

Correct

Marked out of 1.00

\_\_\_\_\_ is not the exact code for solving the problem but it would give us an idea of how the problem is going to be solved.

Select one:

- a. Programming code
- b. Pseudocode 
- c. Structure code
- d. object code

Your answer is correct.

The correct answer is: Pseudocode



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Incorrect

Marked out of 1.00

In order to deliver a quality software, the process followed should be

Select one:

- a. Efficient
- b. Complex
- c. Rigorous ✕
- d. Small

The correct answer is: Efficient

### Question 9

Correct

Marked out of 1.00

State true or false.

Configuration management is important only during the coding phase

Select one:

- True
- False ✓

The correct answer is 'False'.

### Question 10

Incorrect

Marked out of 1.00

Tom and his team uses the SVN(Configuration Management Tool) to do versioning of source code. Tom has pulled out the code from the SVN server to his local machine, updated his task partially and wanted to update the work back to the SVN server. What is the actual process Tom has performed with the SVN server.

Select one:

- a. check out/check in
- b. commit/rollback
- c. check in/check out ✕
- d. fork/join

The correct answer is: check out/check in

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Incorrect

Marked out of 1.00

Software was developed for Global Marketing. Few changes that was earlier requested was already incorporated in the delivered software. Now the client does not want the changes and requested for the previous release. Which of the below option would facilitate developer to meet the client needs.

Select one:

- a. Software Configuration Management
- b. Change Control Management 
- c. Software Repository
- d. Software Control Management

The correct answer is: Software Configuration Management

## Question 12

Incorrect

Marked out of 1.00

Go-Will department store wants to automate few of its functionalities. From the below options identify the functional requirements of Go-Will department store

Select one or more:

- a. System should be up and running 24/7 
- b. Add Product Details
- c. Response for each button click should be within 3 seconds 
- d. Generate Bill for the purchased Items

The correct answers are: Generate Bill for the purchased Items, Add Product Details

## Question 13

Correct

Marked out of 1.00

Pipes are Used to combine two or more commands. The symbol used for representing pipe is \_\_\_\_\_

Select one:

- a. ||
- b. >>
- c. ;;
- d. | 

The correct answer is: |

Correct

Marked out of 1.00

Which of the following is not a feature of UNIX?

Select one:

- a. Multitasking
- b. Multiuser
- c. User friendly ✓
- d. Portability

The correct answer is: User friendly

## Question 15

Correct

Marked out of 1.00

What does the below Unix command accomplish?

```
$ sed 's/ABC/ZYX/' file.txt
```

Select one:

- a. Replaces first occurrence in every line 'ABC' with 'ZYX' ✓
- b. Replaces only first occurrence of 'ABC' with 'ZYX'
- c. Replaces all occurrences 'ABC' with 'ZYX'
- d. Only matches and displays the occurrence of the pattern

The correct answer is: Replaces first occurrence in every line 'ABC' with 'ZYX'

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Correct

Marked out of 1.00

Consider the sample.txt file and predict the output

Unix is an operating system.

Unix is open source.

Linux is also a powerful OS.

What is the output of grep -c "Unix" sample.txt command?

Select one:

- a. 2 ✓
- b. 3
- c. 4
- d. 0

The correct answer is: 2

## Question 17

Correct

Marked out of 1.00

What is the purpose of using -a option with ls command ?

Select one:

- a. for multi columnar output
- b. for showing executables
- c. for showing hidden files ✓
- d. for showing directories

The correct answer is: for showing hidden files



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Correct

Marked out of 1.00

Which command in UNIX displays the list of all the users who have logged into the Unix server?

Select one:

- a. users
- b. Who ✓
- c. Who am i
- d. List users

The correct answer is: Who

### Question 19

Correct

Marked out of 1.00

Comment in XML document is given by

Select one:

- a. </-->
- b. <!--> ✓
- c. <?-->
- d. <!-->!

The correct answer is: <!-->

### Question 20

Correct

Marked out of 1.00

Which is not true about XML

Select one:

- a. XML Elements Must be Properly Nested
- b. All XML Elements Must Have a Closing Tag
- c. XML must be wellformed
- d. XML Tags are not Case Sensitive ✓

The correct answer is: XML Tags are not Case Sensitive



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Correct

Marked out of 1.00

What is wrong in the following lines of xml code

```
<note date= 14/04/1979>
<to>Abin< /to>
<from>John< /from>
</note>
```

Select one:

- a. XML Tags are Case Sensitive
- b. XML Elements Must be Properly Nested
- c. All XML Elements Must Have a Closing Tag
- d. XML Attribute Values Must be Quoted ✓

The correct answer is: XML Attribute Values Must be Quoted

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Correct

Marked out of 1.00

## Identify the well-formed XML code

Select one:

- a. <bookstore>  
    <book category="children">  
        <title>Harry Potter</title>  
        <author>J K. Rowling</author>  
        <year>2005</year>  
        <price>29.99</price>  
    </book>  
</bookstore>
- b. <bookstore>  
    <book category="children">  
        <title>Harry Potter</title>  
        <author>J K. Rowling</author>  
        <year>2005</year>  
        <price>29.99</price>  
    </bookstore>
- c. <bookstore>  
    <book category="children">  
        <title>Harry Potter</title>  
        <author>J K. Rowling</author>  
        <year>2005</year>  
        <price>29.99</price>  
    </book>  
</bookstore> ✓
- d. <bookstore>  
    <book category="children">  
        <title>Harry Potter</title>  
        <author>J K. Rowling</author>  
        <year>2005</year>  
        <price>29.99 </book>  
    </bookstore>

The correct answer is: &lt;bookstore&gt;

```
<book category="children">
 <title>Harry Potter</title>
 <author>J K. Rowling</author>
 <year>2005</year>
 <price>29.99</price>
 </book>
</bookstore>
```

Correct

Marked out of 1.00

Steve is learning to draw a flowchart to calculate the volume of a cuboid. Which of the options given below would fit into the process section of the flow chart?

Select one:

- a. Volume= $l*b*h$  
- b. Read the value of  $l,b,h$ ( $l$  represents the length,  $b$  represents the breadth,  $h$  represents the height)
- c. check if  $l,b,h$  have positive value
- d. display the volume of the cuboid

Your answer is correct.

The correct answer is: Volume= $l*b*h$

## Question 24

Correct

Marked out of 1.00

Order the range of coupling from high to low

- a. control coupling
- b. stamp coupling
- c. content coupling
- d. uncoupled
- e. common coupling
- f. data coupling

Select one:

- a.  
c , e , a , f , b , d
- b.  
c , a , b , f , e , d
- c.  
c , e , a , b , f , d 
- d.  
d , c , e , a , b , f



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