

\*\*\*\*\* INHERITANCE and ABSTRACT CLASSES \*\*\*\*\*

1.Which Man class properly represents the relationship "Man has a best friend who is a Dog"?

- A)class Man extends Dog { }
- B)class Man implements Dog { }
- C)class Man { private BestFriend dog; }
- D)class Man { private Dog bestFriend; }

B

A

C

D \*\*\*\*\*

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2.What will be the result when you try to compile and run the following code?

```
class Base1 {  
    Base1() {  
        int i = 100;  
        System.out.println(i);  
    }  
}  
  
public class Pri1 extends Base1 {
```

```
static int i = 200;

public static void main(String argv[]) {
    Pri1 p = new Pri1();
    System.out.println(i);
}
```

100

200

Error at compile time

100 followed by 200 \*\*\*\*\*

3. Consider the following code and choose the correct option:

```
class A{
    void display(){ System.out.println("Hello A"); }

    class B extends A{
        void display(){
            System.out.println("Hello B");
        }
    }

    public class Test {
        public static void main(String[] args) {
            A a=new B();
            B b= a;
            b.display(); }
    }
}
```

Hello A

Compilation error \*\*\*\*\*

Compiles but error at runtime

Hello B

---

---

4.

All data members in an interface are by default

default and abstract

public ,static and final \*\*\*\*\*

abstract and final

public and abstract

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5.Consider the following code and choose the correct option:

```
interface console{  
    int line=10;  
    void print();}  
class a implements console{
```

```
void print(){
System.out.print("A");
public static void main(String ar[]){
new a().print();}}
```

Compiles but error at run time

Runs but no output

Compilation error \*\*\*\*\*

A

---

---

6.Given :

What would be the result of compiling and running the following program?

```
// Filename: MyClass.java
public class MyClass {
public static void main(String[] args) {
C c = new C();
System.out.println(c.max(13, 29));
}
}
class A {
int max(int x, int y) { if (x>y) return x; else return y; }
}
class B extends A{
int max(int x, int y) { return super.max(y, x) - 10; }
```

```
}
```

```
class C extends B {
```

```
    int max(int x, int y) { return super.max(x+10, y+10); }
```

```
}
```

The code will compile and print 23, when run.

The code will compile and print 29, when run.\*\*\*\*\*

The code will fail to compile because a call to a max() method is ambiguous.

The code will fail to compile because the max() method in B passes the arguments  
in the call super.max(y, x) in the wrong order.

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7.Consider the following code and choose the correct option:

```
class A{
```

```
    void display(byte a, byte b){
```

```
        System.out.println("sum of byte"+(a+b)); }
```

```
    void display(int a, int b){
```

```
        System.out.println("sum of int"+(a+b)); }
```

```
    public static void main(String[] args) {
```

```
        new A().display(3, 4); }}
```

Compiles but error at runtime

Compilation error

sum of int7 \*\*\*\*\*

---

---

sum of byte 7

---

---

8.Which of the following statements is true regarding the super() method?

It must be used in the last statement of the constructor.

It must be used in the first statement of the constructor.\*\*\*\*\*

It can only be used in the parent's constructor

Only one child class can use it

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9.Given:

11. class ClassA {}

12. class ClassB extends ClassA {}

13. class ClassC extends ClassA {}

and:

21. ClassA p0 = new ClassA();

22. ClassB p1 = new ClassB();

23. ClassC p2 = new ClassC();

24. ClassA p3 = new ClassB();

25. ClassA p4 = new ClassC();

Which TWO are valid? (Choose two.)

```
p1 = p2;
```

```
p1 = (ClassB)p3; *****
```

```
p0 = p1; *****
```

```
p2 = p4;
```

---

---

10. Consider the following code and choose the correct option:

```
class A{  
    void display(){ System.out.println("Hello A"); }  
  
class B extends A{  
    void display(){  
        System.out.println("Hello B"); }  
  
public class Test {  
    public static void main(String[] args) {  
        B b=(B) new A();  
        b.display(); }}
```

Compiles but error at runtime

Hello B

Hello A

Compilation error\*\*\*\*\*

\*\*\*\*\*  
\*\*\*\*\*

threads

1.Which of the following statements can be used to create a new Thread? (Choose TWO)

Implement java.lang.Runnable and implement the run() method \*\*\*\*\*

Extend java.lang.Runnable and override the start() method.

Implement java.lang.Thread and implement the run() method.

Extend java.lang.Thread and override the run() method. \*\*\*\*\*

Implement java.lang.Thread and implement the start() method.

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-----  
-----

2.

Consider the following code and choose the correct option:

```
class Nthread extends Thread{  
    public void run(){  
        System.out.print("Hi");}  
    public static void main(String args[]){  
        Nthread th1=new Nthread();  
        Nthread th2=new Nthread();  
    }  
}
```

Will create two child threads and display Hi twice

will not create any child thread \*\*\*\*\*

compilation error

will display Hi once

---

---

```
3.class Thread2 {  
    public static void main(String[] args) {  
        new Thread2().go(); }  
    public void go(){  
        Runnable rn=new Runnable(){  
            public void run(){  
                System.out.println("Good Day.."); } };  
        Thread t=new Thread(rn);  
        t.start();  
    } }
```

what should be the correct output for the code written above?

The code executes

normally and prints "Good Day.." \*\*\*\*\*

prints Good Day.. Twice

An exception is thrown at  
runtime.

Compilation fails.

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---

```
4.class PingPong2 {  
    synchronized void hit(long n) {  
        for(int i = 1; i < 3; i++)  
            System.out.print(n + " - " + i + " ");  
    }  
}  
  
public class Tester implements Runnable {  
    static PingPong2 pp2 = new PingPong2();  
    public static void main(String[] args) {  
        new Thread(new Tester()).start();  
        new Thread(new Tester()).start();  
    }  
    public void run() { pp2.hit(Thread.currentThread().getId()); }  
}
```

Which statement is true?

The output could be 5-1 6-1 6-2 5-2

The output could be 6-1 6-2 5-1 5-2

The output could be 6-1 6-2 5-1 7-1

The output could be 6-1 5-2 6-2 5-1

---

---

The output could be 8-1 8-2 9-1 9-2\*\*\*\*\*

5.Which of the following methods registers a thread in a thread scheduler?

construct();

register();

run();

start(); \*\*\*\*\*

---

---

6.Consider the following code and choose the correct option:

```
class Cthread extends Thread{  
    Cthread(){start();}  
    public void run(){  
        System.out.print("Hi");}  
    public static void main (String args[]){  
        Cthread th1=new Cthread();  
        Cthread th2=new Cthread();  
    }}
```

will create two child threads and display Hi twice \*\*\*\*\*

compilation error

will not create any child thread

will display Hi once

---

---

7. public class MyRunnable implements Runnable

```
{  
    public void run()  
    {  
        // some code here  
    }  
}
```

which of these will create and start this thread?

new Thread(new MyRunnable()).start(); \*\*\*\*\*

new MyRunnable().start();

new Thread(MyRunnable).run();

new Runnable(MyRunnable).start();

---

---

```
8.class Cthread extends Thread{  
    public void run(){  
        System.out.print("Hi");}  
    public static void main (String args[]){  
        Cthread th1=new Cthread();  
        th1.run();  
        th1.start();  
        th1.start();  
    }  
}
```

will print Hi twice and throws exception at runtime \*\*\*\*\*

will start two thread

will not print

will print Hi Once

---

9.What will be the output of the program?

```
class MyThread extends Thread  
{  
    MyThread() {}  
    MyThread(Runnable r) {super(r); }  
    public void run()  
    {  
        System.out.print("Inside Thread ");  
    }  
}
```

```
    }
}

class MyRunnable implements Runnable
{
    public void run()
    {
        System.out.print(" Inside Runnable");
    }
}

class Test
{
    public static void main(String[] args)
    {
        new MyThread().start();
        new MyThread(new MyRunnable()).start();
    }
}
```

Does not compile

Prints "Inside Thread Inside Runnable"

Throws exception at runtime

Prints "Inside Thread Inside Thread" \*\*\*\*\*

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10.

A) Exception is the superclass of all errors and exceptions in the java language

B) RuntimeException and its subclasses are unchecked exception.

Only A is TRUE

Only B is TRUE \*\*\*\*\*

Both A and B are TRUE

Both A and B are FALSE

\*\*\*\*\*  
\*\*\*\*\*  
\*\*\*\*\* \* EXCEPTION HAND.... \*

\*\*\*\*\*

1.What will happen when you attempt to compile and run the following code?

```
public class Bground extends Thread{  
    public static void main(String argv[]){  
        Bground b = new Bground();  
        b.run();  
    }  
    public void start(){  
        for (int i = 0; i < 10; i++){  
            System.out.println("Value of i = " + i);  
        }  
    }  
}
```

Clean compile but no output at runtime \*\*\*\*\*

A run time error indicating that no run method is defined for the Thread class

A compile time error indicating that no run method is defined for the Thread class

Clean compile and at run time the values 0 to 9 are printed out

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---

2.Given the following program,which statements is true?

```
Public class Exception {  
    public static void main(String[] args) {  
        try {  
            if(args.length == 0) return;  
            System.out.println(args[0]);  
        }finally {  
            System.out.println("The end");  
        }  
    }  
}
```

The program will throw an ArrayIndexOutOfBoundsException

If run with no arguments,the program will produce "The end" \*\*\*\*\*

If run with no arguments,the program will produce no output

If run with one arguments,the program will simply print the given argument

---

---

```
3.class Trial{  
    public static void main(String[] args){  
        try{  
            System.out.println("Try Block");  
        }  
        finally{  
            System.out.println("Finally Block");  
        }  
    }  
}
```

Finally Block

Try Block Finally Block \*\*\*\*\*

Finally Block Try Block

Try Block

---

---

4.Which of the following statements is true?

Any statement that can throw an Error must be enclosed in a try block.

Any statement that can throw an Exception must be enclosed in a try block.

catch(X x) can catch subclasses of X where X is a subclass of Exception. \*\*\*\*\*

The Error class is a RuntimeException.

5. Choose the correct option:

A try statement must have at least one corresponding catch block

An Error that might be thrown in a method must be declared as thrown by that method, or be handled within that method.

Multiple catch statements can catch the same class of exception more than once.

Except in case of VM shutdown, if a try block starts to execute, a corresponding finally block will always start to execute. \*\*\*\*\*

---

6. Which three of the following are methods of the Object class?

- 1.notify();
- 2.notifyAll();
- 3.isInterrupted();
- 4.synchronized();
- 5.interrupt();
- 6.wait(long msecs);
- 7.sleep(long msecs);
- 8.yield();

1, 2, 4

2, 3, 4

1, 2, 6 \*\*\*\*\*

2, 4, 5

---

---

7.Which of the following statements are true? (Choose TWO)

The notify() method is overloaded to accept a duration

Deadlock will not occur if wait()/notify() is used

The wait() method is overloaded to accept a duration \*\*\*\*\*

A thread will resume execution as soon as its sleep duration expires.

Both wait() and notify() must be called from a synchronized context. \*\*\*\*\*

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---

8.Consider the following code and choose the correct option:

```
class Test{  
    static void display(){  
        throw new RuntimeException();  
    }  
    public static void main(String args[]){  
        try{display();}  
        }catch(Exception e){ }  
        catch(RuntimeException re){}
```

```
finally{System.out.println("exit");}}
```

Compiles and no output

Compilation fails \*\*\*\*\*

exit

Compiles but exception at runtime

---

-----  
-----  
9.Given:

```
public class ExceptionTest  
{  
    class TestException extends Exception {}  
    public void runTest() throws TestException {}  
    public void test() /* Line X */  
    {  
        runTest();  
    }  
}
```

At Line X, which code is necessary to make the code compile?

throw Exception

throws Exception \*\*\*\*\* (TestException)

No code is necessary

throws RuntimeException

---

---

10.Given:

```
11. class A {  
12.     public void process() { System.out.print("A,"); }  
13.     class B extends A {  
14.         public void process() throws IOException {  
15.             super.process();  
16.             System.out.print("B,");  
17.             throw new IOException();  
18.         }  
19.         public static void main(String[] args) {  
20.             try { new B().process(); }  
21.             catch (IOException e) { System.out.println("Exception"); }  
22.         }  
23.     }  
24. }
```

What is the result?

Compilation fails because of an error in line 14. \*\*\*\*\*

A,B,Exception

Exception

Compilation fails because of an error in line 20.

```
*****  
*****
```

## \$\$\$\$\$\$\$\$\$\$ IO OPERATIONS \$\$\$\$\$\$\$\$\$\$

1.

```
import java.io.EOFException;  
  
import java.io.FileInputStream;  
  
import java.io.FileNotFoundException;  
  
import java.io.IOException;  
  
import java.io.InputStreamReader;  
  
public class MoreEndings {  
  
    public static void main(String[] args) {  
  
        try {  
  
            FileInputStream fis = new FileInputStream("seq.txt");  
  
            InputStreamReader isr = new InputStreamReader(fis);  
  
            int i = isr.read();  
  
            while (i != -1) {  
  
                System.out.print((char)i + "|");  
  
                i = isr.read();  
  
            }  
  
        } catch (FileNotFoundException fnf) {  
  
            System.out.println("File not found");  
  
        } catch (EOFException eofe) {  
  
            System.out.println("End of stream");  
  
        } catch (IOException ioe) {
```

```
System.out.println("Input error");
}
}
}
```

Assume that the file "seq.txt" exists in the current directory, has the required access permissions, and contains the string "Hello".

Which statement about the program is true?

The program will compile, print H|e||l||o|, and then terminate normally. \*\*\*\*\*

The program will compile and print H|e||l||o|End of stream.

The program will compile and print H|e||l||o|Input error.

The program will not compile because a certain unchecked exception is not caught.

---

---

2. Consider the following code and choose the correct option:

```
public class Test {
    public static void main(String[] args) throws IOException {
        File file=new File("D:/jlist.lst");
        byte buffer[]=new byte[(int)file.length()+1];
        FileInputStream fis=new FileInputStream(file);
        fis.read(buffer);
        System.out.println(new String(buffer)); }}
```

reads data from file named jlist.lst in byte form and display it on console. \*\*\*\*\*

reads data from file named jlist.lst in byte form and display garbage value

Compiles but error at runtime

Compilation error

3. Consider the following code and choose the correct option:

```
public class Test {  
    public static void main(String[] args) throws IOException {  
        String data="Confidential info";  
        byte buffer[]={};  
        data.getBytes();  
        FileOutputStream fos=new FileOutputStream("d:/temp");  
        for(byte d : buffer){  
            fos.write(d); } } }
```

writes data to file in byte form. \*\*\*\*\*

Compiles but error at runtime

Compilation error

writes data to the file in character form.

---

---

4. Consider the following code and choose the correct option:

```
public class Test {  
    public static void main(String[] args) {  
        File file=new File("D:/jlist.lst");
```

```
byte buffer[] = new byte[(int)file.length() + 1];
FileInputStream fis = new FileInputStream(file);
fis.read(buffer);
System.out.println(buffer);
}
```

reads data from file named jlist.lst in byte form and display garbage value \*\*\*\*\*

reads data from file named jlist.lst in byte form and display it on console.

Compilation error

Compiles but error at runtime

5. Consider the following code and choose the correct option:

```
public class Test{
    public static void main(String[] args) {
        File dir = new File("dir");
        dir.mkdir();
        File f1 = new File(dir, "f1.txt"); try {
            f1.createNewFile(); } catch (IOException e) { ; }
        File newDir = new File("newDir");
        dir.renameTo(newDir); } }
```

Compilation error

The file system has a directory named newDir, containing a file f1.txt

The file system has a new empty directory named newDir

The file system has a directory named dir, containing a file f1.txt

The file system has a new empty directory named dir

---

---

6.

```
import java.io.*;  
  
public class MyClass implements Serializable {  
  
    private int a;  
  
    public int getA() { return a; }  
  
    public MyClass(int a){this.a=a; }  
  
    private void writeObject( ObjectOutputStream s)  
        throws IOException {  
  
        // insert code here  
    }  
}
```

Which code fragment, inserted at line 15, will allow Foo objects to be correctly serialized and deserialized?

s.serialize(x);

s.writeObject(x);

s.defaultWriteObject();

```
s.writeInt(x);
```

---

---

7.What happens when the constructor for FileInputStream fails to open a file for reading?

throws a DataFormatException

returns null

throws a FileNotFoundException \*\*\*\*\*

throws a ArrayIndexOutOfBoundsException

8. Consider the following code and choose the correct option:

```
public class Test {  
    public static void main(String[] args) throws IOException {  
        File file=new File("D:/jlist.lst");  
        byte buffer[]=new byte[(int)file.length()+1];  
        FileInputStream fis=new FileInputStream(file);  
        int ch=0;  
        while((ch=fis.read())!=-1){  
            System.out.print((char)ch); } } }
```

reads data from file named jlist.lst in byte form and display garbage value

Compiles but error at runtime

Compilation error

reads data from file one byte at a time and display it on the console. \*\*\*\*\*

---

---

9. Consider the following code and choose the correct option:

```
class std implements Serializable{  
    int call; std(int c){call=c;}  
    int getCall(){return call;}  
}  
  
public class Test{  
    public static void main(String[] args) throws IOException {  
        File file=new File("d:/std.txt");  
        FileOutputStream fos=new FileOutputStream(file);  
        ObjectOutputStream oos=new ObjectOutputStream(fos);  
        std s1=new std(10);  
        oos.writeObject(s1);  
        oos.close();  
    }  
}
```

the state of the object s1 will not be store to the file.

the state of the object s1 will be store to file std.txt \*\*\*\*\*

Compiles but error at run time

Compilation error

---

---

10. Consider the following code and choose the correct option:

```
public class Test {  
    public static void main(String[] args) {  
        File file=new File("d:/prj/lib");  
        file.mkdirs();}}}
```

Compilation error

Compiles but error at run time

Compiles and executes but directory is not created

```
creates directory d:/prj/lib *****  
*****  
*****
```

\$\$\$\$\$\$\$\$\$\$\$\$\$\$ JDBC \$\$\$\$\$\$\$\$\$\$\$\$\$\$

- A) When one use callablestatement, in that case only parameters are send over network not sql query.  
B) In preparestatement sql query will compile for first time only

Both A and B is FALSE

Only B is TRUE

Only A is TRUE

Both A and B is TRUE \*\*\*\*\*

---

---

2.What is the use of wasNull() in ResultSet interface?

There is no such method in ResultSet interface

It returns true when last read column contain SQL NULL else returns false \*\*\*\*\*

none of the listed options

It returns int value as mentioned below:

> 0 if many columns Contain Null Value

< 0 if no column contains Null Value

= 0 if one column contains Null value

---

---

3. A) It is not possible to execute select query with execute() method

B) CallableStatement can executes store procedures only but not functions

Only A is TRUE

Both A and B is FALSE \*\*\*\*\*

Both A and B is TRUE

Only B is TRUE

---

---

4...getConnection() is method available in?

ResultSet Interface

PreparedStatement Interface

Driver Interface

Statement Interface

DriverManager Class \*\*\*\*\*

---

---

5..Sylvy wants to develop Student management system, which requires frequent insert operation about student details. In order to insert student record which statement interface will give good performance

CallableStatement

Statement

RowSet

PreparedStatement \*\*\*\*\*

---

---

6..By default all JDBC transactions are autocommit. State TRUE/FALSE.

true \*\*\*\*\*

false

---

---

7.Given :

```
public class MoreEndings {  
    public static void main(String[] args) throws Exception {  
        Class driverClass = Class.forName("sun.jdbc.odbc.JdbcOdbcDriver");  
        DriverManager.registerDriver((Driver) driverClass.newInstance());  
        // Some code  
    } Inorder to compile & execute this code, what should we import?
```

java.sql.DataSource

java.sql.Driver

java.sql.DriverManager

java.sql.Driver \*\*\*\*\*

java.sql.Driver

---

---

8....Cosider the following code & select the correct output.

```
String sql ="select rollno, name from student";  
PreparedStatement pst=cn.prepareStatement(sql);  
System.out.println(pst.toString());  
ResultSet rs=pst.executeQuery();  
while(rs.next()){  
    System.out.println(rs.getString(3)); }
```

will show city

will show only name

Compiles but error at run time

Compilation error

---

---

9...A) By default, all JDBC transactions are auto commit

B) PreparedStatement suitable for dynamic sql and requires one time compilation

C) with JDBC it is possible to fetch information about the database

Only A and B is TRUE

Only B and C is True

Both A and C is TRUE

All are TRUE \*\*\*\*\*

---

---

10....Which of the following methods finds the maximum number of connections that a specific driver can obtain?

Connection.getMaxConnections

DatabaseMetaData.getMaxConnections \*\*\*\*\*

ResultSetMetaData.getMaxConnections

Database.getMaxConnections

\*\*\*\*\*  
\*\*\*\*\*

\$\$\$\$\$\$\$\$\$\$\$\$\$\$ Access Specifiers and Constructors and Methods - I  
\$\$\$\$\$\$\$\$\$\$\$\$\$

1.Carefully read the question and answer accordingly.

What will be the output for following code?

```
class Super
{
```

```
int num=20;

public void display()

{

System.out.println("super class method");

}

}

public class ThisUse extends Super

{

int num;

public ThisUse(int num)

{

this.num=num;

}

public void display()

{

System.out.println("display method");

}

public void Show()

{

this.display();

display();

System.out.println(this.num);

System.out.println(num);

}

public static void main(String[]args)

{

ThisUse o=new ThisUse(10);

o.Show();

}
```

}

super class method display method 20 20

display method display method 10 10 \*\*\*\*\*

super class method display method 10 10

display method display method 20 20

---

---

2....

Carefully read the question and answer accordingly.

The constructor of a class must not have a return type.

TRUE \*\*\*\*\*

FALSE

---

---

3...Carefully read the question and answer accordingly.

Which of the following method is used to initialize the instance variable of a class.

Variable

Destructor

Public

Class

Constructor \*\*\*\*\*

---

---

4...Carefully read the question and answer accordingly.

\_\_\_\_\_ determines which member of a class can be used by other classes.

Implementation

Inheritance

specifier

Access specifier \*\*\*\*\*

Class

---

---

5..Carefully read the question and answer accordingly.

A class can be declared as \_\_\_\_\_ if you do not want the class to be subclassed. Using  
the \_\_\_\_\_ keyword we can abstract a class from its implementation

final,protected

private,abstract

public,friend

protected ,interface

final,interface \*\*\*\*\*

---

---

6...Carefully read the question and answer accordingly.

Which of the following are true about protected access specifier?

If one class is having protected method then the method is available for subclass which is present in another package

All members of abstract class are by default protected \*\*\*\*\*

Protected is default access modifier of a child class

A class can be declared as protected.

---

---

7...Carefully read the question and answer accordingly.

Constructor of a class is executed each time when an object of that class is created

TRUE \*\*\*\*\*

---

---

FALSE

8...Carefully read the question and answer accordingly.

Which of the following statements are true about Method Overriding?

I: Signature must be same including return type

II: If the super class method is throwing the exception then overriding method should throw the same Exception

III: Overriding can be done in same class

IV: Overriding should be done in two different classes with no relation between the classes

II & IV

I \*\*\*\*\*

---

---

I & III

III

---

---

9.Carefully read the question and answer accordingly.

When one method is overridden in sub class the access specifier of the method in sub class should be equal as method in super class.

State True or False.

FALSE

TRUE \*\*\*\*\*

---

---

10. Carefully read the question and answer accordingly.

What will be the output for following code?

```
class Super
{
    static void show()
    {
        System.out.println("super class show method");
    }

    static class StaticMethods
    {
        void show()
        {
            System.out.println("sub class show method");
        }
    }

    public static void main(String[] args)
    {
        Super.show();
    }
}
```

```
new Super.StaticMethods().show();  
}  
}
```

super class show method

Compilation Error

sub class show method super class show method

super class show method sub class show method \*\*\*\*\*

\*\*\*\*\*  
\*\*\*\*\*

1..Carefully read the question and answer accordingly.

Which of the following keywords ensures that a method cannot be overridden?

abstract

static

final \*\*\*\*\*

protected

```
abstract class Base{  
    abstract public void myfunc();  
    public void another(){
```

```
        System.out.println("Another method");
    }
}
```

```
public class Abs extends Base{
    public static void main(String argv[]){
        Abs a = new Abs();
        a.amethod();
    }
    public void myfunc(){
        System.out.println("My Func");
    }
    public void amethod(){
        myfunc();
    }
}
```

The code will compile and run, printing out the words "My Func" \*\*\*\*\*

The code will compile but complain at run time that the Base class has non abstract methods

The compiler will complain that the Base class has non abstract methods

The compiler will complain that the method myfunc in the base class has no body, nobody at all to print it

Suppose class B is sub class of class A:

- A) If class A doesn't have any constructor, then class B also must not have any constructor
- B) If class A has parameterized constructor, then class B can have default as well as parameterized constructor
- C) If class A has parameterized constructor then call to class A constructor should be made explicitly by constructor of class B

Only B and C is TRUE \*\*\*\*

Only A is TRUE

Only A and C is TRUE

All are FALSE

```
public class MyAr {  
    public static void main(String argv[]) {  
        MyAr m = new MyAr();  
        m.amethod();  
    }  
    public void amethod() {  
        final int i1;  
        System.out.println(i1);  
    }  
}
```

What is the Output of the Program?

None of the given options

Unresolved compilation problem:

The local variable i1 may not have been initialized \*\*\*\*\*

0

Compilation and output of null

Consider the following code and choose the correct option:

```
package aj; class S{ int roll =23;  
private S(){} }  
  
package aj; class T  
{ public static void main(String ar[]){  
System.out.print(new S().roll);} }
```

Compilation error \*\*\*\*\*

Compiles and display 23

Compiles and display 0

Compiles but no output

```
package aj; private class S{ int roll;  
S(){roll=1;} }  
  
package aj; class T  
{ public static void main(String ar[]){  
System.out.print(new S().roll);} }
```

Compiles and display 0

Compilation error \*\*\*\*\*

Compiles but no output

Compiles and display 1

```
class MyClass1  
{  
private int area(int side)  
{  
return(side * side);  
}  
  
public static void main(String args[ ])  
{  
MyClass1 MC = new MyClass1( );  
int area = MC.area(50);
```

```
        System.out.println(area);
    }
}
```

What would be the output?

2500 \*\*\*\*\*

Runtime Exception

50

compilation error

Given:

```
public static Iterator reverse(List list) {
    Collections.reverse(list);
    return list.iterator();
}

public static void main(String[] args) {
    List list = new ArrayList();
    list.add("1"); list.add("2"); list.add("3");
    for (Object obj: reverse(list))
        System.out.print(obj + ", ");
}
```

What is the result?

The code runs with no output.

3, 2, 1,

1, 2, 3,

Compilation fails.\*\*\*\*\*

Given:

```
public static Iterator reverse(List list) {  
    Collections.reverse(list);  
    return list.iterator();  
}  
  
public static void main(String[] args) {  
    List list = new ArrayList();  
    list.add("1"); list.add("2"); list.add("3");  
    for (Object obj: reverse(list))  
        System.out.print(obj + ", ");  
}
```

What is the result?

3, 2, 1,

1, 2, 3,

Compilation fails. \*\*\*\*\*

The code runs with no output.

Given:

10. interface A { void x(); }

11. class B implements A {

    public void x() { }

    public void y() { } }

12. class C extends B {

    public void x() {} }

And:

20. java.util.List<a> list = new java.util.ArrayList</a>();

21. list.add(new B());

22. list.add(new C());

23. for (A a:list) {

    24. a.x();

    25. a.y();;

26. }

What is the result?

The code runs with no output.

An exception is thrown at runtime

Compilation fails because of an error in line 23.

Compilation fails because of an error in line 21

Compilation fails because of an error in line 25

Given:

```
import java.util.Arrays;  
import java.util.HashSet;  
import java.util.Set;  
  
public class MainClass {  
  
    public static void main(String[] a) {  
        String elements[] = { "A", "B", "C", "D", "E" };  
        Set set = new HashSet(Arrays.asList(elements));  
  
        elements = new String[] { "A", "B", "C", "D" };  
        Set set2 = new HashSet(Arrays.asList(elements));  
  
        System.out.println(set.equals(set2));  
    }  
}
```

} What is the result of given code?

true

Compile time error

false \*\*\*\*\*

## Runtime Exception

What will be the output of following code?

```
class Test{  
    public static void main(String args[]){  
        TreeSet<Integer> ts=new TreeSet<Integer>();  
        ts.add(2);  
        ts.add(3);  
        ts.add(7);  
        ts.add(5);  
  
        SortedSet<Integer> ss=ts.subSet(1,7);  
        ss.add(4);  
        ss.add(6);  
        System.out.print(ss);} }
```

[2,3,4,5,6,7]

[2,3,7,5,4,6]

[2,3,4,5,6] \*\*\*\*\*

[2,3,7,5]

Which collection class allows you to grow or shrink its size and provides indexed access to its elements, but its methods are not synchronized?

java.util.LinkedHashSet

java.util.List

java.util.Vector

java.util.HashSet

java.util.ArrayList \*\*\*\*\*

Given:

```
public static Collection get() {  
    Collection sorted = new LinkedList();  
    sorted.add("B"); sorted.add("C"); sorted.add("A");  
    return sorted;  
}  
  
public static void main(String[] args) {  
    for (Object obj: get()) {  
        System.out.print(obj + ", ");  
    }  
}
```

What is the result?

B, C, A,

A, B, C,

An exception is thrown at runtime.

Compilation fails. \*\*\*\*\*

- A) It is a good practice to store heterogenous data in a TreeSet.
- B) HashSet has default initial capacity (16) and loadfactor(0.75)
- C) HashSet does not maintain order of Insertion
- D) TreeSet maintains order of Inserstion

A and B is TRUE

A and D is TRUE

A and C is TRUE

B and C is TRUE \*\*

Consider the following code and choose the correct option:

```
class Data{ Integer data; Data(Integer d){data=d;}
public boolean equals(Object o){return true;}
public int hashCode(){return 1;}
class Test{
public static void main(String ar[]){
Set<Data> s=new HashSet<Data>();
s.add(new Data(4));
s.add(new Data(2));
s.add(new Data(4));
s.add(new Data(1));
s.add(new Data(2));
System.out.print(s.size());}}
```

3

compilation error

5 \*\*\*\*\*

Compiles but error at run time

Carefully read the question and answer accordingly.

Which of these interface(s) are part of Java's core collection framework?

List \*\*\*\*\*

SortedList

SortedQueue

Set \*\*\*\*\*

which are the Basic features of implementations of interfaces in Collections Framework in java?

All implementations support having null elements.

All implementations are serializable and cloneable \*\*\*\*\*

all implementations are immutable and supports duplicates data

All implementations are unsynchronized

Carefully read the question and answer accordingly.

Consider the following list of code:

- A) Iterator iterator = hashMap.keySet().iterator();
- B) Iterator iterator = hashMap.iterator();
- C) Iterator iterator = hashMap.keyMap().iterator();
- D) Iterator iterator = hashMap.entrySet().iterator();
- E) Iterator iterator = hashMap.entrySet.iterator();

Assume that hashMap is an instance of HashMap type collection implementation.

Which of the following option gives the correct partial code about getting an Iterator to the HashMap entries?

B

D \*\*\*\*\*

C

A

E

Carefully read the question and answer accordingly.

LinkedList represents a collection that does not allow duplicate elements.

FALSE \*\*\*\*\*

TRUE

Carefully read the question and answer accordingly.

The add method of Set returns false if you try to add a duplicate element.

FALSE

TRUE \*\*\*\*\*

Carefully read the question and answer accordingly.

State TRUE or FALSE.

```
line 1: public class Test {  
line 2: public static void main(String[] args) {  
line 3: Queue queue = new LinkedList();  
line 4: queue.add("Hello");  
line 5: queue.add("World");  
line 6: List list = new ArrayList(queue);  
line 7: System.out.println(list); }  
line 8: }
```

Above code will give run time error at line number 3.

FALSE \*\*\*\*\*

TRUE

Carefully read the question and answer accordingly.

Which of the following are true statements?

The Iterator interface declares only three methods: hasNext, next and remove.

The ListIterator interface provides the ability to determine its position in the List.

The ListIterator interface extends both the List and Iterator interfaces

The ListIterator interface provides forward and backward iteration capabilities.

Carefully read the question and answer accordingly.

Is "Array" a subclass of "Collection" ?

FALSE \*\*\*\*\*

TRUE

Carefully read the question and answer accordingly.

Enumeration is having remove() method.

State True or False.

FALSE \*\*\*

TRUE

Carefully read the question and answer accordingly.

As per the below code find which statements are true.

```
public class Test {  
    public static void main(String[] args) {  
        Line 1: ArrayList<String> myList=new List<String>();
```

```
Line 2: String string = new String();  
Line 3: myList.add("string");  
Line 4: int index = myList.indexOf("string");  
System.out.println(index);  
}  
}
```

In Line 4 null pointer exception will occur as String string contains null value

Line 2 has run time exceptions

Line 1 has compilation error \*\*\*\*\*

Line 4 has neither error nor exceptions.

Carefully read the question and answer accordingly.

Which statement creates DocumentBuilderFactory instance?

DocumentBuilderFactory f= BuilderFactory.newInstance();

DocumentBuilderFactory f=DocumentBuilderFactory.newInstance(); \*\*\*\*\*

DocumentBuilderFactory f=new DocumentBuilderFactory();

None of the listed options

Carefully read the question and answer accordingly.

Which language is used for formatting XML documents?

XSLT

XSL

None of the listed options

XSL-FO \*\*\*\*\*

Carefully read the question and answer accordingly.

Which type of parser is suitable, when applications is required to read data without modifying the content

DOM

None of the listed options

SAX /\*\*\*\*\*

XML

Carefully read the question and answer accordingly.

What are the uses of XML parsers?

- 1.Parsing XML files and retrieving data from XML elements
- 2.Creating XML files programmatically
- 3.Used to direct conversion using an XSLT processor

1&2

2&3

1 \*\*\*\*\*

2

Carefully read the question and answer accordingly.

Which parser reads small chunk of document at a time, parses it, generate an events and then reads another chunk of document

SAX \*\*\*\*\*

DOM

None of the listed options

XML ;

Carefully read the question and answer accordingly.

Which defines standard set of objects for creating XML's?

None of the listed options

XML

SAX

**XMLOM \*\*\*\***

Carefully read the question and answer accordingly.

What does XSL stands for?

Extensive Style sheet language

Extensible Style Sheet Language \*\*\*\*

Extensible Style Language

None of the listed options

Carefully read the question and answer accordingly.

In which package JAXP related API's are available?

None of the listed options

`javax.parsers.xml.*;`

`javax.xml.parsers.*;` \*\*\*\*

`javax.xml.*;`

JAXP Stands for:

Java API eXtensive processing

Java API eXtensible Processing

Java API for XML Processing \*\*\*\*

None of the listed options

Carefully read the question and answer accordingly.

Which statement creates DocumentBuilder instance?

None of the listed options \*\*\*\*\*

DocumentBuilder b=new Builder();

DocumentBuilder b=new DocumentBuilder();

DocumentBuilder b=factory.new DocumentBuilder();

Carefully read the question and answer accordingly.

What are the Tools & plug-ins commonly used in testing java application code?

1.ANT

2.JUnit

3.JavaScript

4.EMMA

2&4 \*\*\*\*\*

3&4

2&3

1&2

Carefully read the question and answer accordingly.

What are the major areas PMD tool scans java code?

Possible performance bottlenecks

Coding standards

All of the listed options \*\*\*\*\*

Violation of best practice

Carefully read the question and answer accordingly.

Documentation comments are meant to describe the specification of the code to be read by developers.

State True or False.

FALSE

TRUE \*\*\*\*\*

Carefully read the question and answer accordingly.

Consider the following code snippet:

```
import org.junit.*;  
import static org.junit.Assert.*;  
import java.io.*;  
  
public class OutputTest {  
    private File output;  
  
    @Before
```

```
public void createOutputFile() {  
    output = new File(...);  
}  
  
@After  
  
public void deleteOutputFile() {  
    output.delete();  
}  
  
@Test  
  
public void testSomethingWithFile() {  
    ...  
}
```

Which of the following option gives the order in which the methods in the above given OutputTest class is executed?

createOutputFile() testSomethingWithFile() deleteOutputFile()\*\*\*\*\*

createOutputFile() deleteOutputFile() testSomethingWithFile()

testSomethingWithFile() createOutputFile() deleteOutputFile()

deleteOutputFile() createOutputFile() testSomethingWithFile()

Carefully read the question and answer accordingly.

What are the benefits of Logging?

- 1.Debug applications issues easily
- 2.Detect complier errors easily

3.Trouble Shoot performance problems

2&3

1&2

1&3

3

Carefully read the question and answer accordingly.

Which tool verifies for best practice adherence?

1.PMD

2.Check Style

3.CPD

4.ANT

1&2&4

1&2\*\*\*\*\*

1&3

1&2&3

1&3&4

Carefully read the question and answer accordingly.

```
public class MethodSigExample  
{  
    public int test(String s, int i)  
    {  
        int x = i + s.length();  
        return x;  
    }  
}
```

During refactoring method signature can be changed using the option:

Refactor > move Method

Refactor > move

Refactor > Extract method

Refactor > Change Method Signature \*\*\*\*\*

Carefully read the question and answer accordingly.

What are the types of refactoring?

1.Physical Structure

2.Logical Structure

3.Method Level

4.Class Level Structure

3&4

1&2

2&3

1&4\*\*\*\*\*

Carefully read the question and answer accordingly.

An art of identifying, organizing, controlling and verifying the modification to the software work products built by the developer.

SDLC

HCM

SVN

SCM\*\*\*\*\*

Carefully read the question and answer accordingly.

Which of the following is build tool?

CPD

Checkstyle

PMD

ANT \*\*\*\*\*

Carefully read the question and answer accordingly.

Choose valid expression language statement for accessing textfield elements whose name is userid.

#{param.userid}

\${param.userid} \*\*\*\*\*

None of the listed options

request.getParameter("userid");

Carefully read the question and answer accordingly.

You have a map named “carMap” with a key named “Ford”. Select correct EL syntaxes to print the value of this key.

1.\${carMap.Ford}

2.\${carMap.[Ford]}

3.\${carMap[“Ford”]}

4.\${carMap[Ford]}

2&3

1&2

1&4

1&3 \*\*\*\*\*

2&4

Carefully read the question and answer accordingly.

Consider the following servlet code segment:

```
Map map = new HashMap();
map.put("a", "1");
map.put("b", "2");
map.put("c", "3");
map.put("d", "4");
request.setAttribute("map", map);
String[] names = {"a", "b", "c", "d"};
request.setAttribute("names", names);
```

What does \${map[names[0]]} return?

a

Nothing will be displayed

None of the listed options

1 \*\*\*\*\*

Carefully read the question and answer accordingly.

Which attribute of <c:if> specifies the conditional expression?

cond

check

expr

test\*\*\*\*\*

Carefully read the question and answer accordingly.

What is the syntax of Expression Language in a JSP page?

\${"expr"}

#{expr}

\${expr} \*\*\*\*\*

\${[expr]}

Carefully read the question and answer accordingly.

How will you retrieve the first value of request parameter “fname”?

- 1.\${param.fname}\*\*\*\*\*
- 2.\${requestParams.fname}
- 3.\${requestScope.fname}
- 4.\${paramValues.fname[0]}\*\*\*\*\*

2&3

1&4

1&2

1&3

Carefully read the question and answer accordingly.

Code to get the value of “address” request parameter is:

`${param.address} *****`

None of the listed options

`${Values.address}`

`${request.address}`

Carefully read the question and answer accordingly.

Consider the code segment given below:

```
List list = new ArrayList();
list.add("1");
list.add("2");
list.add("3");
list.add("4");
request.setAttribute("list", list);
String[] names = {"a", "b", "c", "d", "e"};
```

What will \${names[list[0] + 1]} display?

c \*\*\*\*\*

a,b,c

a,b

b

Carefully read the question and answer accordingly.

Consider the usage of JSTL forEach tag in the following code snippet:

```
<font color='green'>
<ul>
<c:foreach flag=errmsg items="${errorMsgs}">
<li>$errmsg</li>
</c:foreach>
</ul>
</font>
```

The code snippet contains some errors. Predict the correct code.

```
<font color='green'> <ul> <c:forEach flag="errmsg" items="${errorMsgs}"> <li>$errmsg</li> </c:forEach>
</ul> </font>
```

```
<font color='green'> <ul> <c:forEach flag=errmsg items="${errorMsgs}"> <li>$errmsg</li> </c:forEach>
</ul> </font>
```

```
<font color='green'> <ul> <c:forEach flag=errmsg items="${errorMsgs}"> <li>${errmsg}</li> </c:forEach>
</ul> </font>
```

```
<font color='green'> <ul> <c:forEach flag="errmsg" items="${errorMsgs}"> <li>${errmsg}</li>
</c:forEach> </ul> </font> ****
```

Carefully read the question and answer accordingly.

What does DTD stands for?

Direct Type Definition

Dynamic Type Definition

None of the listed options

Document Type Definition \*\*\*\*

Carefully read the question and answer accordingly.

What does XML stand for?

eXtra Modern Link

eXtensible Markup Language /\*\*\*\*\*

Example Markup Language

X-Markup Language

Carefully read the question and answer accordingly.

Any text that should not be parsed by the xml parser needs to declare as:

I: PCDATA

II: CDATA

I

Both I & II

None of the listed options

II \*\*\*\*\*

Carefully read the question and answer accordingly.

How to declare element with minimum one occurrence?

<! ELEMENT element-name(element-content+)>

None of the listed options

<! ELEMENT element-name(element-content)>

```
<! ELEMENT element-name(element-content+)> *****
```

Carefully read the question and answer accordingly.

What is the correct syntax of the declaration which defines the XML version?

```
<?xml version="1.0"?> *****
```

None of the listed options

```
<xml version="1.0" />
```

```
<?xml version="1.0" />
```

Carefully read the question and answer accordingly.

Which of the following correctly defines use of DTD in XML development?

DTD are used as contract between two systems to interoperate.

All of the listed options \*\*\*\*\*

An Application can use the DTD to validate the XML structure it has received from external systems

DTD are used by parsers for validating the structure of the XML

Carefully read the question and answer accordingly.

Which of the following XML statement is valid?

<message> if price < 60 </message>

<message> if price < 60</message> \*\*\*\*\*

<message> if price<60</message>

None of the listed options

Carefully read the question and answer accordingly.

Which complex type signifies that only one of the child elements can appear?

None of the listed options

<xs:complexType name="CountryInfo"><xs:choice> <xs:element name="countryName" type="xs:string"/> <xs:element name="states" type="xs:integer"/></xs:choice></xs:complexType>\*\*\*\*\*

<xs:complexType name="CountryInfo"><xs:sequence> <xs:element name="countryName" type="xs:string"/> <xs:element name="states" type="xs:integer"/></xs:sequence></xs:complexType>

<xs:complexType name="CountryInfo"><xs:all> <xs:element name="countryName" type="xs:string"/> <xs:element name="states" type="xs:integer"/></xs:all></xs:complexType>

Carefully read the question and answer accordingly.

Which statement specifies a constant value for a simple element?

<xs:element name="CountryName" type="xs:string" fixedvalue="India"/>

```
<xs:element name="CountryName" type="xs:string" fixed="India"/> *****
```

```
<xs:element name="CountryName" type="xs:string" constant="India"/>
```

None of the listed options

Carefully read the question and answer accordingly.

Which complex type specifies that the elements should always be in the order specified?

None of the listed options

```
<xs:complexType name="CountrInfo"><xs:choice> <xs:element name="countryName" type="xs:string"/> <xs:element name="states" type="xs:integer"/></xs:choice></xs:complexType>
```

```
<xs:complexType name="CountrInfo"><xs:all> <xs:element name="countryName" type="xs:string"/> <xs:element name="states" type="xs:integer"/></xs:all></xs:complexType>
```

```
<xs:complexType name="CountrInfo"><xs:sequence> <xs:element name="countryName" type="xs:string"/> <xs:element name="states" type="xs:integer"/></xs:sequence></xs:complexType>*****
```

JSP

Carefully read the question and answer accordingly.

A Java Server Page (JSP) cannot be deployed in web server

TRUE

FALSE

Gen wants to create a new JSP page. Which element of JSP provide global information about an entire JSP page?

Declaration

Directive \*\*

Expression

Scriptlet

Which of the following tag disables scriptlets?

None of the listed options

<scripting-disabled>

<scripting-invalid>

<is-scripting-invalid>

Scripting can be blocked in a jsp by:

**Putting <scripting-invalid> element in web.xml**

Scripting can't be blocked

Declaring <scripting-invalid> tag at the top of JSP page

Putting scripting-invalid=true attribute in form tag

The purpose of a JSP Expression tag is to:

Write a block of java code

Declare a variable

Print something on the screen \*\*

Import a java class

Carefully read the question and answer accordingly.

Which protocol Servlets and JSP use to communicate with clients?

HTTP\*\*\*

FTP

No need of any protocol

SMTP

You are developing dynamic web application using JSP. Which attribute of page directive specifies the list of classes imported in the JSP file?

import\*\*\*

session

language

extends

Carefully read the question and answer accordingly.

Consider the following statements:

Statement A: JSP page is a text-based document that contains two types of text viz. Static template data & JSP elements

Statement B: JSP is used for presentation stuff and servlets are used for control and business logic stuff.

Statement A is true and statement B is false.

**Statement A is true and statement B is true. \*\***

Statement A is false and statement B is false.

Statement A is false and statement B is true.

Carefully read the question and answer accordingly.

Manisha is creating an application which makes use of Java Server pages. Which of the following implicit object she should use to get a reference to the JSPWriter?

in

**out \*\*\***

response

request

Which of the following describes the jsp life cycle process best?

JSP is loaded into memory, Code is compiled, instance is created

**JSP page is translated to a servlet, code is compiled, servlet is loaded into memory, instance is created \*\*\***

JSP is compiled, JSP page is translated to a servlet, code is loaded, instance is created

JSP page is translated to a servlet, servlet is loaded into memory, code is compiled, instance is created  
1.Carefully read the question and answer accordingly.

<%

```
List list=new ArrayList();
```

```
list.add("a");
```

```
list.add("2");
list.add("c");
request.setAttribute("list",list);
request.setAttribute("number","1");
%>
```

Based on the above code segment, which of the following will display "c"?

- ...\${list[2]}
  - 2.\${list.2}
  - 3.\${list[number+1]}
  - 4.\${list.3}
- 2.

Carefully read the question and answer accordingly.

Using prefix c to represent the JSTL library, which of the following produces the same result as <%= var %>?

<c:out value=\${var}>

<c:out var="var">

<c:expr value=var>

4.<c:var out=\${var}>

3.Choose valid expression language statement for accessing textfield elements whose name is userid.

None of the listed options

2.\${param.userid}

#{param.userid}

request.getParameter("userid");

4.Which of following are standard JSTL?

1.http://java.sun.com/jstl/xml/fmt

2.http://java.sun.com/jstl/core/fmt

3.http://java.sun.com/jstl/xml

4.http://java.sun.com/jstl/sql

5.http://java.sun.com/jstl/core

6.How to declare element with minimum one occurrence?

<! ELEMENT element-name(element-content+)> \*\*\*\*\*

None of the listed options

3.<! ELEMENT element-name(element-content+)!>

<! ELEMENT element-name(element-content)!>

7.Which of the following correctly defines use of DTD in XML development?

An Application can use the DTD to validate the XML structure it has received from external systems

DTD are used by parsers for validating the structure of the XML

DTD are used as contract between two systems to interoperate.

4.All of the listed options \*\*\*\*\*

8.Which statement specifies a constant value for a simple element?

None of the listed options

<xs:element name="CountryName" type="xs:string" fixed="India"/> \*\*\*\*\*

x<xs:element name="CountryName" type="xs:string" fixedvalue="India"/>

<xs:element name="CountryName" type="xs:string" constant="In

9.

Carefully read the question and answer accordingly.

Which complex type specifies that the elements should always be in the order specified?

1.<xs:complexType name="CountrInfo"><xs:sequence> <xs:element name="countryName" type="xs:string"/> <xs:element name="states" type="xs:integer"/></xs:sequence></xs:complexType>\*\*\*\*\*

None of the listed options

<xs:complexType name="CountrInfo"><xs:all> <xs:element name="countryName" type="xs:string"/> <xs:element name="states" type="xs:integer"/></xs:all></xs:complexType>

```
<xs:complexType name="CountryInfo"><xs:choice> <xs:element name="countryName" type="xs:string"/> <xs:element name="states" type="xs:integer"/></xs:choice></xs:complexType>
```

10.Which of the following XML statement is valid?

<message> if price &lt; 60</message>

<message> if price lt 60 </message>

3.3<message> if price<60</message>

None of the listed options

11.Which type of parser is suitable,when applications is required to read data without modifying the content

XML

DOM

SAX \*\*\*\*\*

None of the listed options

12.

Carefully read the question and answer accordingly.

Which defines standard set of objects for creating XML's?

1.XMLDOM \*\*\*\*\*

None of the listed options

SAX

XML

13.What are the uses of XML parsers?

- 1.Parsing XML files and retrieving data from XML elements
- 2.Creating XML files programmatically
- 3.Used to direct conversion using an XSLT processor

1

2.1&2

2&3

2

13.

Which of the following is the deployment descriptor file of a web application? Assuming that the name of the Web application is BankApp.

web.xml \*\*\*\*\*

BankApp.xml

WebApp.xml

deployment.xml

14.Which of the following method of the HttpServletRequest object is used to get the clients session information in the HttpSession object?

getSession() \*\*\*\*\*

getValue()

doPost()

putValue()

15.

Carefully read the question and answer accordingly.

What is the return type of getAttribute() method of HttpServletRequest ?

Object \*\*\*\*\*

Attribute

None of the listed options

String

16.

Carefully read the question and answer accordingly.

Consider the following code for an HTML form.

```
<form action="/servlet/Login">  
<input type="text" name="username" value="enter username"/>  
<input type="submit" name="sbbutton" value="signin!.."/>  
</form>
```

Which of the following happens upon pressing the submit button in the above form?

- 1.A request is sent with the HTTP method GET.
- 2.A request is sent with the HTTP method POST.
- 3.The parameter username is the only parameter passed to the web server in the request.
- 4.The parameters username and sbbutton are passed to the web server in the request URL.

2&4

2&3

1&3

1&2

1&4 \*\*\*\*\*

17.Which of the following tag is used to specify the initialization parameters in the web.xml file?

<url-pattern>

<init-param> \*\*\*\*\*

<servlet>

<servlet-mapping >

18.

Carefully read the question and answer accordingly.

How can an existing session in servlet can be destroyed ?

- 1.programmatically using session.invalidate()\*\*\*\*\*
- 2.by calling session.service() method

3.by closing the browser\*\*\*\*\*

4.when the server itself is shut down

2&4

1&2

1&3

2&3

1&4

19.Carefully read the question and answer accordingly.

Given that URL-rewriting must be used for session management, identify the query string attribute used when URL-rewriting.

servletid

jsessionid \*\*\*\*\*

sessionid

containerid

.....PLSQLVARRAY.....

20.Carefully read the question and answer accordingly.

Which of the following techniques are used to track session?

Hidden Field

URL rewriting

All of the listed options

Cookies

21.Which of the following options can be used by the controller to destroy a session of a web application immediately?

By using the invalidate() method

By using the destroy() method

By setting the setMaxInactiveInterval() method period to 60 seconds

By setting the session-timeout parameter in the web.xml file to 1 minute

22.Carefully read the question and answer accordingly.

Which method binds an object to a given attribute name in this ServletContext interface?

**void setAttribute(String name, Object object)**

void setAttribute(Object object, String name)

void setAttribute(Object object, Object object)

void setAttribute(String name, String value)

PL SQL VARRAY:-

23.Carefully read the question and answer accordingly.

```
IF add_genre_new THEN
  IF NOT fic_genres.EXISTS(f_genre_id)  THEN
    fic_genres.EXTENDS(1);
    fic_genres(f_genre_id) := f_genre;      DBMS_OUTPUT.PUT_LINE('Total # of entries in fiction_genres
is :
'||fiction_genres.COUNT());
  END IF;
```

Predict the correct steps of the above code ?

1. Add a new genre. 2. Display the total # of elements. 3. \*\*Add\*\* another element to the varray.

1. Add a new genre. 2. Display the total # of elements. 3. \*\*Add\*\* another element to the varray. 4. Is this genre id already in the collection?

1. Add a new genre. 2. Is this genre id already in the collection? 3. Display the total # of elements. 4. \*\*Add\*\* another element to the varray.

1. Add a new genre. 2. Is this genre id already in the collection? 3. \*\*Add\*\* another element to the varray. 4. Display the total # of elements.

24.

Carefully read the question and answer accordingly.

DECLARE

```
TYPE StockItem IS RECORD(  
    item_no    Item_master.Item_code%TYPE,  
    item_name   Item_master.Item_name%TYPE,  
    quantity    Stock.Current_stock%TYPE,  
    Unit_price  Item_master.unit_price%TYPE);
```

St\_rec StockItem;

Predict what type of record it fall under ?

Custom Record

Simple Record

Table Record

## Cursor Record

25.Carefully read the question and answer accordingly.

Predict which collection has ability to preserve element order.

None of the above

Varray

Nested Table

Associative Array

26.Carefully read the question and answer accordingly.

Examine the code snippet

declare

TYPE XYZ is VARRAY(10) of NUMBER;

v2 XYZ; -- line 1

x Number:=0;

Begin

v2:=XYZ(1,2,3,4,5,6,7);

v2.trim(1);--Line 2

while x < v2.last

loop

x:=x+1;

dbms\_output.put\_line(x);

end loop;

```
end;  
/
```

What will be the output of the above code?

Compilation fails due to an error on line 2

Compiles , executes and prints 1 , 2 , ,3 ,4, 5, 6, 7

Compilation fails due to an error on line 1

Compiles , executes and prints 1 , 2 , ,3 ,4, 5, 6

Compiles , executes and prints 2 , ,3 ,4, 5, 6, 7

27.Carefully read the question and answer accordingly.

Which of the following statements are true

Statement A :The body of the FORALL statement must contain a single DML operation.

Statement B: The EXECUTE IMMEDIATE statement prepares (parses) and immediately executes a dynamic SQL statement or an anonymous PL/SQL block.

Statement A Is false and B is True

Both A and B are True

Statement A is True and B is False

Both statements A and B are False

28.Carefully read the question and answer accordingly.

In which case we will use Custom record?

In a program all the columns of a table needs to be referenced, stored and processed.

When Only few columns of one or more tables needs to be referenced, stored and processed.

When Programmer needs to define a customized structure for accessing /storing data.

Failing to do this will result in an error .

29.Carefully read the question and answer accordingly.

Examine the code snippet

declare

TYPE CITY is TABLE of varchar2(20) index by PLS\_INTEGER;

v1 CITY;

begin

v1(1):='Bangalore';

v1(6):='Mumbai';

v1(2):='Delhi';

dbms\_output.put\_line(v1.count());

dbms\_output.put\_line(v1(2));

dbms\_output.put\_line(v1.next(6));

end;

what will be the output of the above code?

Compilation error

Compiles , executes prints 3 Delhi Delhi

Compiles , executes prints 3 Delhi Mumbai

Compiles , executes prints 3 Delhi 2

Compiles , executes prints 3 Delhi

30.Carefully read the question and answer accordingly.

Examine the code snippet

declare

TYPE ABC is VARRAY(10) of NUMBER;

v2 ABC;

begin

v2:=ABC();

v2.extend();

v2(1):=78;

Dbms\_output.put\_line(v2(1));

end;

what will be the output of the above code ?

Compiles , executes without any output

If v2:=ABC(); is removed than the code will compile and print 78

Compiles fine and prints the output as 78

Compiles fine and prints the output as 1

Code contains a compilation error

.....pl sql error handling.....

31.Carefully read the question and answer accordingly.

Which of the following statements are true?

- 1.Index by table has key value pair
- 2.Nested Table has key value pair
- 3.Index by Table is ordered based on its Key
- 4.Nested Table id ordered based on its key
- 5.In a key value pair key is unique

1&2

1&3&4

1&2&4

1&2&3

1&3&5

32.Carefully read the question and answer accordingly.

Examine the code snippet

```
declare  
TYPE ABC is VARRAY(10) of NUMBER;  
v2 ABC:=ABC(10,8,9,6,5,4,3,32);  
begin  
Dbms_output.put_line(v2(1));  
end;
```

what will be the output of the above code ?

Compiles and runs without any output

Compiles and prints 10

Compilation fails

Compiles and prints 8

Compiles and prints 1

33.Carefully read the question and answer accordingly.

You are creating a procedure which accepts the employee name and displays the employee details like Employee Name, Employee No, Manager

Identify the correct syntax to achieve the desired result.

```
create or replace procedure prcEmp_details(EmpName varchar2) as begin declare cursor c1 is select *  
from Emp where Ename=EmpName; begin for rec in c1 LOOP dbms_output.put_line(c1.ename||'  
'||c1.empNO||'||c1.Mrg); end loop; end; end;
```

```
create or replace procedure prcEmp_details(EmpName varchar2 OUT) as begin declare cursor c1 is select * from Emp where Ename=EmpName; begin for rec in c1 LOOP dbms_output.put_line(rec.ename||'|'||rec.empNO||'|'||rec.Mrg); end loop; end; end;
```

```
create or replace procedure prcEmp_details(EmpName varchar2) as begin declare cursor c1 is select * from Emp where Ename=EmpName; begin for rec in c1 LOOP dbms_output.put_line(rec.ename||'|'||rec.empNO||'|'||rec.Mrg); end loop; end; end;
```

None of the listed options as procedures cannot be created for select statement

```
create or replace procedure prcEmp_details(EmpName varchar2 OUT) as begin declare cursor c1 is select * from Emp where Ename=EmpName; begin for rec in c1 LOOP dbms_output.put_line(c1.ename||'|'||c1.empNO||'|'||c1.Mrg); end loop; end; end;
```

34.carefully read the question and answer accordingly.

You are developing a trigger which should ensure that no negative value is inserted in employee table's Age column . you have created a trigger as follows

```
create or replace trigger AgeVerify  
before insert  
on employee for each row  
when(new.EmpAge < 0)  
begin  
RAISE_APPLICATION_ERROR(-20000, 'no negative age allowed');  
end;  
/
```

Identify error if any in the above trigger and give the solution.

Replacing RAISE\_APPLICATION\_ERROR(-20000, 'no negative age allowed'); to RAISE\_APPLICATIONS\_ERROR(-20000,"no negative age allowed"); will give the desired output

No problem in the trigger. It gives the desired result

Replacing RAISE\_APPLICATION\_ERROR(-20000, 'no negative age allowed'); to RAISE\_APPLICATION\_ERROR(-20000, 'no negative age allowed'); will give the desired output

The order of Arguments passed to RAISE\_APPLICATION\_ERROR is wrong

Replacing RAISE\_APPLICATION\_ERROR(-20000, 'no negative age allowed'); to RAISE\_APPLICATION\_ERROR(-20000, "no negative age allowed"); will give the desired output

35.Carefully read the question and answer accordingly.

Examine the PL/SQL Block

```
declare
  result Number;
  num1 Number:=&number1;
  num2 Number:=&number2;
begin
  select num1/num2 into result from dual;
  dbms_output.put_line('Result is '||result);
exception
  when ZEROS_DIVIDE then
    dbms_output.put_line('Exception Occurred Divide by Zero');
end;
/
```

What will be the output of the above code when user passes the value for NUM1 as 0 and NUM2 as 10

Compiles successfully and terminates the program due to an Exception

Result is 10

Compilation fails

Result is 0

Exception Occurred Divide by Zero

36.Carefully read the question and answer accordingly.

General Syntax for coding exception

DECLARE

Declaration Section

BEGIN

Exception Section

When ex\_name 1 THEN

Error handling Statements

When Others THEN

Error handling Statements

When ex\_name 1 THEN

Error handling Statements

END;

FALSE

TRUE

37.Carefully read the question and answer accordingly.

What is the syntax of PRAGMA EXCEPTION\_INIT?

DECLARE exception\_name EXCEPTION PRAGMA EXCEPTION\_INIT (exception\_name , err\_code); Begin Execution section Exception WHEN PRAGMA exception\_init THEN Handle the exception END;

DECLARE exception\_name EXCEPTION PRAGMA EXCEPTION\_INIT (exception\_name); Begin Execution section Exception WHEN exception\_name THEN Handle the exception END;

DECLARE exception\_name EXCEPTION EXCEPTION\_INIT PRAGMA (exception\_name , err\_code); Begin Execution section Exception WHEN exception\_name THEN Handle the exception END;

DECLARE exception\_name EXCEPTION PRAGMA EXCEPTION\_INIT (exception\_name , err\_code); Begin Execution section Exception WHEN exception\_name THEN Handle the exception END;

38.Carefully read the question and answer accordingly.

What is the syntax of Function?

CREATE [OR REPLACE] FUNCTION function\_name [parameters]

IS

Declaration\_section

RETURN return\_datatype;

BEGIN

Execution\_section

Return return\_variable;

EXCEPTION

exception section

Return return\_variable;

END;

FALSE

TRUE

39.Carefully read the question and answer accordingly.

Consider you are creating a cursor,Choose the correct sequence of steps to work with cursors?

Declare , Open , Fetch , Close

Define , Open , Fetch , Close

Open , Declare , Fetch Close

Declare , Fetch , Open Fetch

Open , Fetch , Close

40.Carefully read the question and answer accordingly.

What occurs when a cursor is opened?

Opening the cursor allocates the memory first.

The select statement provided within the cursor statement gets executed when we open the cursor.

The active set pointer is set to the second row.

Open statement retrieves the rows from the cursor and will process it.

41. Carefully read the question and answer accordingly.

The following Block of statement is written to check the manager for each employee

declare

cursor c1 is

select ename , Mgr

from Emp;

begin

for rec in c1 LOOP

dbms\_output.put\_line('Employee '||rec.ename||' Works for '||rec.Mgr);

end loop;

end;

Identify errors if any in the above code and provide suitable solution

The above code has no error and gives the desired result

Replace the above code as declare enameUser Emp.ename%type; MrgUser Emp.Mrg%type; begin select ename,Mrg into enameUser,MrgUser from Emp; dbms\_output.put\_line('Employee '||enameUser||' Works for '||MrgUser); end; /

Replace the code as declare EnameUser Emp.ename%type; MrgUser Emp.Mrg%type; cursor c1 is select EnameUser,MrgUser from Emp; begin open c1; loop fetch c1 into EnameUser,MrgUser; exit when c1%NOTFOUND; dbms\_output.put\_line(' Employee '||EnameUser||' Works for '||MrgUser); end loop; close c1; end; /

Replace the above code as declare enameUser varchar(20); MrgUser varchar(20); begin select ename,Mrg into enameUser,MrgUser from Emp; dbms\_output.put\_line('Employee '||enameUser||' Works for '||MrgUser); end; /

42. Carefully read the question and answer accordingly.

How to convert the following code using the cursor FOR LOOP?

```
DECLARE  
  
CURSOR occupancy_cur IS  
  
SELECT pet_id, room_number  
  
FROM occupancy WHERE occupied_dt = SYSDATE;  
  
occupancy_rec occupancy_cur%ROWTYPE;  
  
BEGIN  
  
OPEN occupancy_cur;  
  
LOOP  
  
FETCH occupancy_cur INTO occupancy_rec;  
  
EXIT WHEN occupancy_cur%NOTFOUND;  
  
update_bill (occupancy_rec.pet_id, occupancy_rec.room_number);  
  
END LOOP;  
  
CLOSE occupancy_cur;  
  
END;
```

```
DECLARE CURSOR occupancy_cur IS SELECT pet_id, room_number FROM occupancy WHERE  
occupied_dt = SYSDATE; BEGIN OPEN occupancy_cur FOR occupancy_rec IN occupancy_cur LOOP  
update_bill (occupancy_rec.pet_id, occupancy_rec.room_number); END LOOP; CLOSE occupancy_cur;  
END;
```

```
DECLARE CURSOR occupancy_cur IS SELECT pet_id, room_number FROM occupancy WHERE  
occupied_dt = SYSDATE; BEGIN FOR occupancy_rec IN occupancy_cur LOOP update_bill  
(occupancy_rec.pet_id, occupancy_rec.room_number); END LOOP; END;
```

```
DECLARE CURSOR occupancy_cur IS SELECT pet_id, room_number FROM occupancy WHERE  
occupied_dt = SYSDATE; BEGIN FOR occupancy_rec IN occupancy_cur LOOP update_bill  
(occupancy_rec.pet_id, occupancy_rec.room_number); END LOOP; CLOSE occupancy_cur; END;
```

```
DECLARE CURSOR occupancy_cur IS SELECT pet_id, room_number FROM occupancy WHERE  
occupied_dt = SYSDATE; occupancy_rec occupancy_cur%ROWTYPE; BEGIN FOR occupancy_rec IN
```

```
occupancy_cur LOOP update_bill (occupancy_rec.pet_id, occupancy_rec.room_number); END LOOP;  
END;
```

.....scenario based question.....

43.Carefully read the question and answer accordingly.

XYZ company database has SALES table which captures all department sales information. You have been asked to create department wise summarized total sales report from SALES table. Which of the following correct option will fetch you meaningful result?

Use Aggregate function along with GROUP BY clause in query to retrieve result

Use Aggregate function along with WHERE clause in query to retrieve result

Use Aggregate function along with ORDER BY clause in query to retrieve result

None of the listed options

44.Carefully read the question and answer accordingly.

What error the following code will display?

```
DECLARE
```

```
dynamic_stmt VARCHAR2(200);
```

```
dummy BOOLEAN;
```

```
FUNCTION get_x (x INTEGER)
```

```
RETURN BOOLEAN
```

```
AS
BEGIN
    NULL;
END get_x;

BEGIN
    dynamic_stmt := 'BEGIN :b := get_x(5); END;';
EXECUTE IMMEDIATE dynamic_stmt USING OUT dummy;
END;
```

"Cannot string in current PLSQL session"

None of the listed options

"Expressions have to be of SQL types"

"String is not active"

45.Carefully read the question and answer accordingly.

Views are a powerful mechanism for customizing the way your data is presented to users. They can be used to enhance security and streamline complex table relationships. Views that create static results can still be modified using \_\_\_\_\_, which allow you to define how the underlying tables are modified ensuring your data integrity.

None of the listed options

Stored Procedure

Triggers

Functions

## Cursors

46.Carefully read the question and answer accordingly.

Which error will be raised for the below code?

DECLARE

  TYPE tb\_numbers\_nt IS TABLE OF NUMBER;

  l\_numbers tb\_numbers\_nt;

  BEGIN

    l\_numbers.EXTEND;

    l\_numbers(1) := 1;

  END;

No error

None of the listed options

"Reference to uninitialized collection"

"Value not initialized"

47.Carefully read the question and answer accordingly.

The below procedure raises exception using RAISE\_APPLICATION\_ERROR when we try to delete a department that is not available in the below table else to display a message that the department is <available> Deleted.

TABLE DATA : tbl\_departments

DEPARTMENTID DESCRIPTION

30           Economics  
40           Statistics  
50           History

CODE:

```
CREATE OR REPLACE PROCEDURE Available_Dept(P_DeptId IN departments.departmentid%TYPE) IS
BEGIN
DELETE FROM departments WHERE departmentid = P_DeptId;
IF SQL%NOTFOUND THEN
RAISE_APPLICATION_ERROR (-20201, P_DeptId || ' does not exist');
ELSE
DBMS_OUTPUT.PUT_LINE('Department details are <Available>Deleted');
END IF;
END Available_Dept;
```

FALSE

TRUE

48.Carefully read the question and answer accordingly.

In the Student Management system we have a table called STUDENTS with attributes STUDENID ,FIRSTNAME , LASTNAME.

TABLE DATA:

STUDENTID	FIRSTNAME	LASTNAME
10001	Francis	Peter
10002	Venkat	Prasad

Which PLSQL block in the options concatenates both the Firstname and Lastname with '' symbol. NOTE : STUDENTID should be passed as parameter.

SAMPLE OUTOUT : Francis,Peter

```
CREATE OR REPLACE PROCEDURE get_studentname(p_studentid IN TBL_students.studentid%TYPE) AS
v_firstname VARCHAR2(10); v_lastname VARCHAR2(10); CURSOR c_student_name IS SELECT firstname,
lastname FROM TBL_students WHERE studentid = p_studentid; BEGIN OPEN c_student_name; LOOP
FETCH c_student_name INTO v_firstname; EXIT WHEN c_student_name%NOTFOUND;
DBMS_OUTPUT.PUT_LINE(v_firstname||'-'||v_lastname); END LOOP; CLOSE c_student_name; END;
```

```
CREATE OR REPLACE PROCEDURE get_studentname(p_studentid IN TBL_students.studentid%TYPE) AS
v_firstname VARCHAR2(10); v_lastname VARCHAR2(10); CURSOR c_student_name IS SELECT firstname,
lastname FROM TBL_students WHERE studentid = p_studentid; BEGIN OPEN c_student_name; LOOP
FETCH c_student_name INTO v_firstname,v_lastname; EXIT WHEN c_student_name%NOTFOUND;
DBMS_OUTPUT.PUT_LINE(v_firstname','v_lastname); END LOOP; CLOSE c_student_name; END;
```

```
CREATE OR REPLACE PROCEDURE get_studentname(p_studentid IN TBL_students.studentid%TYPE) AS
v_firstname VARCHAR2(10); v_lastname VARCHAR2(10); CURSOR c_student_name IS SELECT firstname,
lastname FROM TBL_students WHERE studentid = p_studentid; BEGIN OPEN c_student_name; LOOP
FETCH c_student_name INTO v_firstname,v_lastname; EXIT WHEN c_student_name%NOTFOUND;
DBMS_OUTPUT.PUT_LINE(v_firstname||'-'||v_lastname); END LOOP; CLOSE c_student_name; END;
```

None of the listed options

49.Carefully read the question and answer accordingly.

Which anonymous block to select first 3 highest paid salary and to insert into a temp table without any duplicate entry.

TABLE DATA : TBL\_EMPLOYEES

EmployeeID	Salary	DepartmentID
258963	3000	20
257896	6000	30
457892	3000	40
564232	3000	40
254589	8000	50
784555	5000	20

None of the listed options

```
DECLARE CURSOR c1 is SELECT employeeid, firstname||','||lastname "Name" , salary FROM
tbl_employees ORDER BY salary DESC; v_employeeid NUMBER; v_name VARCHAR2(30); v_salary
NUMBER; BEGIN OPEN c1; FOR i IN 1..4 LOOP FETCH c1 INTO v_employeeid, v_name, v_salary; INSERT
INTO temp VALUES (v_employeeid, v_name, v_salary); EXIT WHEN c1%NOTFOUND; COMMIT; END
LOOP; CLOSE c1; END;
```

```
DECLARE CURSOR c1 is SELECT employeeid, firstname||','||lastname "Name" , salary FROM
tbl_employees ORDER BY salary DESC; v_employeeid NUMBER; v_name VARCHAR2(30); v_salary
NUMBER; BEGIN OPEN c1; FETCH c1 INTO v_employeeid, v_name, v_salary; INSERT INTO temp VALUES
(v_employeeid, v_name, v_salary); EXIT WHEN c1%NOTFOUND; COMMIT; END LOOP; CLOSE c1; END;
```

```
DECLARE CURSOR c1 is SELECT employeeid, firstname||','||lastname "Name" , salary FROM
tbl_employees ORDER BY salary DESC; v_employeeid NUMBER; v_name VARCHAR2(30); v_salary
NUMBER; BEGIN OPEN c1; FOR i IN 1..3 LOOP FETCH c1 INTO v_employeeid, v_name, v_salary; INSERT
INTO temp VALUES (v_employeeid, v_name, v_salary); EXIT WHEN c1%NOTFOUND; COMMIT; END
LOOP; CLOSE c1; END;
```

50.Carefully read the question and answer accordingly.

How to reference the below Packaged variables outside of PLSQL?

```
CREATE OR REPLACE PACKAGE pkg_var AS
```

```
    dummy_var CONSTANT VARCHAR2 (5) := 'xyz';
```

```
END pkg_var;
```

None of the listed options

```
DECLARE x VARCHAR2 (5); BEGIN SELECT pkg_var.dummy_var INTO x FROM DUAL;
DBMS_OUTPUT.put_line (x); END;
```

```
DECLARE x VARCHAR2 (5); BEGIN SELECT dummy_var INTO x FROM DUAL; DBMS_OUTPUT.put_line (x); END;
```

```
BEGIN SELECT pkg_var.dummy_var INTO x FROM DUAL; DBMS_OUTPUT.put_line (x); END;
```

51.

Carefully read the question and answer accordingly.

In the Student Management system we have a table called STUDENTS, COURSES, ENROLLMENTS with below data

TABLE DATA - STUDENTS:

STUDENTID	FIRSTNAME	LASTNAME
10001	Francis	Peter
10002	Venkat	Prasad

TABLE DATA - COURSES:

COURSEID	DEPARTMENTID	COURSENAME
1112	20	Science
1113	30	Economics

The below procedure is used to identify the coursenames in the department 20.

```
CREATE OR REPLACE PROCEDURE proc_coursename(p_deptid IN courses.departmentid%TYPE)  
AS
```

```
v_coursename VARCHAR2(10);
```

```
CURSOR c_coursename IS
```

```
SELECT coursename
```

```
FROM courses
```

```
WHERE departmentid = p_deptid;
```

```
BEGIN
```

```
FOR v_rec_coursename IN c_coursename LOOP
```

```
DBMS_OUTPUT.PUT_LINE('The course in Department ID:'||'|'||p_deptid||'|'||'is'||'|'||v_rec_coursename.coursename);
```

```
END LOOP;  
END proc_coursename;
```

FALSE

TRUE

52.Carefully read the question and answer accordingly.

Which of the following SQL statements will calculate and return the absolute value of -80?

**SELECT ABS('-80') Absolute FROM DUAL**

**SELECT ABS(-80), Absolute FROM DUAL \*\*\*\*\***

SELECT ABS("-80") Absolute FROM DUAL

SELECT ABS(-80) "Absolute" FROM DUAL

Consider the following code and choose the correct option:

```
public class Test {  
    public static void main(String[] args) {  
        StringBuffer sb = new StringBuffer("antarctica");  
        sb.reverse();  
        sb.replace(2, 7, "c");  
        sb.delete(0,2);  
        System.out.println(sb);  
    }  
}
```

acctna

iccratna

ctna \*\*\*

tna

```
public static void main(String[] args){  
    String str = new String("Cognizant");  
    str.concat(" Technology");  
    StringBuffer sbf = new StringBuffer(" Solutions");  
    System.out.println(str+sbf);  
}
```

consider the code above & select the proper output from the options.

Cognizant Technology Solutions

Cognizant Technology

Technology Solutions

Cognizant Solutions \*\*\*\*

A)A string buffer is a mutable sequence of characters.

B) sequence of characters in the string buffer can not be changed.

Both A and B is TRUE \*\*\*\*\*

Both A and B is FALSE

Only A is TRUE

Only B is TRUE

What will be the result when you attempt to compile and run the following code?.

```
public class Conv
{
    public static void main(String argv[]){
        Conv c=new Conv();
        String s=new String("ello");
        c.amethod(s);
    }

    public void amethod(String s){
        char c='H';
        c+=s;
        System.out.println(c);
    }
}
```

Compilation and output the string elloH

Compilation and output the string "ello"

Compile time error \*\*\*

Compilation and output the string "Hello"

Which code can be inserted at Line X to print "Equal"?

```
public class EqTest{  
    public static void main(String argv[]){  
        EqTest e=new EqTest();  
    }  
}
```

```
EqTest(){  
    String s="Java";  
    String s2="java";  
    // Line X  
    {  
        System.out.println("Equal");  
    }else  
    {  
        System.out.println("Not equal");  
    }  
}
```

```
if(s.equals(s2))

if(s.equalsIgnoreCase(s2))

if(s.equalsIgnoreCase(s2))

if(s.noCaseMatch(s2))

if(s==s2)

public class Test {
    public static void main(String[] args) {
        String name="ALDPR7882E";
        System.out.println(name.endsWith("E") & name.matches("[A-Z]{5}[0-9]{4}[A-Z]"));
    }
}

false

1

true ****

0
```

Consider the following code and choose the correct option:

```
public class Test {  
    public static void main(String[] args) {  
        String data="78";  
        System.out.println(data.append("abc"));  }}  
  
abc78
```

Compiles but exception at run time

Compilation error \*\*\*\*\*

78abc

What is the result of the following:

```
String ring = "One ring to rule them all,\n";  
String find = "One ring to find them.";  
  
if ( ring.startsWith("One") && find.startsWith("One") )  
    System.out.println( ring+find );  
else  
    System.out.println( "Different Starts" );
```

One ring to rule them all, One ring to find them.

One ring to rule them all,\n

One ring to find them.

Different Starts

One ring to rule them all,

One ring to find them. \*\*\*\*\*

```
public class Test {  
    public static void main(String[] args) {  
        String name="vikaramaditya"; System.out.println(name.codePointAt(2)+name.charAt(3)); }}
```

203

Compilation error

205

204 \*\*\*\*\*

Consider the following code and choose the correct option:

```
class Test {  
    public static void main(String args[]) {  
        String s1 = "abc";
```

```
String s2 = "def";  
String s3 = s1.concat(s2.toUpperCase( ));  
System.out.println(s1+s2+s3); } }
```

abcabcDEFDEF

abcdefabcDEF \*\*\*\*\*

abcdefabcdef

none of the listed options

.Carefully read the question and answer accordingly.

A class can be declared as \_\_\_\_\_ if you do not want the class to be subclassed. Using the \_\_\_\_\_ keyword we can abstract a class from its implementation

protected ,interface

final,interface\*\*\*\*\*

public,friend

final,protected

private,abstract

Carefully read the question and answer accordingly.

which are the Basic features of implementations of interfaces in Collections Framework in java?

All implementations are unsynchronized

All implementations support having null elements.

**All implementations are serializable and cloneable \*\*\*\*\***

all implementations are immutable and supports duplicates data

Carefully read the question and answer accordingly.

What is the return type of next() in Iterator?

boolean

void

**Object \*\*\*\*\***

String

Carefully read the question and answer accordingly.

Data can be passed to the function \_\_\_\_\_

by value

by reference

**Both by value & reference\*\*\*\*\***

none of these

Carefully read the question and answer accordingly.

Which of these keywords are a part of exception handling?

**try\*\*\*\*\***

final

thrown

**catch\*\*\*\*\***

Carefully read the question and answer accordingly.

Which of these class are related to input and output stream in terms of functioning?

**File \*\*\*\*\***

Writer

Reader

OutputStream

Carefully read the question and answer accordingly.

public interface Status

```
{  
/* insert code here */ int MY_VALUE = 10;  
}
```

Which are valid on commented line?

1.final

2.static

3.native

4.public

1&2

1&2&3

2&3

1&2&4\*\*\*\*\*

2&4

Carefully read the question and answer accordingly.

State whether TRUE or FALSE.

If any class has at least one abstract method you must declare it as abstract class

**TRUE \*\*\*\*\***

**FALSE**

Carefully read the question and answer accordingly.

Which packages contain the JDBC classes?

java.jdbc and javax.jdbc

java.jdbc and java.jdbc.sql

**java.sql and javax.sql\*\*\*\*\***

java.rdb and javax.rdb

=====

.Carefully read the question and answer accordingly.

The method Class.forName() is a part of JDBC API. State True or False.

TRUE

**FALSE \*\*\*\*\***

Carefully read the question and answer accordingly.

The ++ operator postfix and prefix has the same effect

TRUE

**FALSE \*\*\*\*\***

Carefully read the question and answer accordingly.

Consider you are developing a JDBC application, where you have to retrieve quarterly report from database by executing database store procedure created by database developer. Which statement API you will use to execute store procedure and retrieve ResultSet information?

Statement

PreparedStatement

**CallableStatement\*\*\*\*\***

None of the listed options

Carefully read the question and answer accordingly.

Java provides \_\_\_\_ ways to create Threads.

One

**Two \*\*\*\*\***

Three

Four

Carefully read the question and answer accordingly.

If we want to apply a style for a text or a part of a text which tag will be used?

I: SPAN

II: DIV

|\*\*\*\*\*

II

Both I & II

None of the listed options

Carefully read the question and answer accordingly.

What is the use of attributes in HTML tags?

Which represents the content to be displayed in the page

**Provides additional behaviour to the tag\*\*\*\*\***

Attribute is a type of tag

None of the listed options

Carefully read the question and answer accordingly.

The below html meta tag will reload page automatically every 60 \_\_\_\_\_.

<meta http-equiv="refresh" content="60">

**seconds\*\*\*\*\***

minutes

nanoseconds

milliseconds

Carefully read the question and answer accordingly.

How to divide the page into two equal halves when we are using frameset ?

**1.By using cols=50%,50%**

**2.By using rows=50%,50%**

3.By using colspan

4.by using rowspan

**1&2 \*\*\*\*\***

**3&4**

**2&3**

**1&4**

=====

.Carefully read the question and answer accordingly.

What are the major areas PMD tool scans java code?

Coding standards

Violation of best practice

Possible performance bottlenecks

**All of the listed options\*\*\*\*\***

Carefully read the question and answer accordingly.

Please select the correct statement with respect to including JavaScript in HTML pages.

JavaScript can be written inside the page body

JavaScript can be written inside the header

Java Script can be written as an external file and imported to the page

**All of the listed options \*\*\*\*\***

Carefully read the question and answer accordingly.

In JavaScript, for reading the contents inside the first paragraph tag which statement is used?

`document.getElementsByTagName("p").innertext()`

**`document.getElementsByTagName("p")[0].innerText;` \*\*\*\*\***

`document.getElementsByTagName("p[0]").innertext()`

None of the listed options

Carefully read the question and answer accordingly.

Identify the location in which the translated JSP servlet code will be stored

WEB-INF

WEB-INF/classes \*\*\*\*\*

It depends on the servlet container settings

## **WEB-INF/class**

Carefully read the question and answer accordingly.

JSP initialization method(life cycle method) is called immediately before the servlet instance was created

TRUE

**FALSE \*\*\*\*\***

Carefully read the question and answer accordingly.

Smith is developing an application using Java Server Pages. The name of the component that he has created is "Emp". he has included the following statement in her application:

<jsp:setProperty name="Emp" property=\* />

What would be the result of the above code?

**It will iterate over the current ServletRequest parameters setting each matched property to the value of the matching parameter\*\*\*\*\***

It will iterate over the current ServletRequest parameters getting each property to the value of the parameter

It will give a run-time error.

It will iterate over the current ServletRequest parameters and would not set any property to the value of the matching parameter

Carefully read the question and answer accordingly.

Which of the following used by container to validate a custom tag in a JSP page?

web.xml

Xerces

Xmlspy

**Tag Library Descriptor\*\*\*\*\***

=====

.Carefully read the question and answer accordingly.

Consider the following statements:

Statement A: When tags are implemented with tag handlers written in Java, each tag in the library must be declared in the TLD with a tag element.

Statement B: The tag element contains the tag name, the class of its tag handler, information on the tag's attributes, and information on the variables created by the tag.

Which of the following is true about these statements?

Statement A is true and statement B is true. \*\*\*\*\*

Statement A is true and statement B is false.

Statement A is false and statement B is true.

Statement A is false and statement B is false.

Carefully read the question and answer accordingly.

Which of the following attributes of page directive are invalid?

isELIgnored

**isScriptingEnabled \*\*\*\*\***

session

language

Carefully read the question and answer accordingly.

Scripting can be blocked in a jsp by:

**Putting <scripting-invalid> element in web.xml \*\*\*\*\***

Declaring <scripting-invalid> tag at the top of JSP page

Putting scripting-invalid=true attribute in form tag

Scripting can't be blocked

Carefully read the question and answer accordingly.

Which of the following variable represents the uncaught throwable object that resulted from a call to the error page in JSP?

Application

Config

**Exception \*\*\*\*\***

Request

Carefully read the question and answer accordingly.

What is the output of the current code segment ?

```
<c:forTokens items="a,b,c,d,e" delims="," begin="0" end="4" step="2" var="alphabet">
<c:out value="${alphabet}" />
</c:forTokens>
```

**a,c,e\*\*\*\*\***

b,d

a,b,c

c,d,e

Carefully read the question and answer accordingly.

What are the true aspects of implicit and explicit cursors?

**Implicit cursors are automatically created by oracle when a select query in PLSQL is executed. Explicit cursors is explicitly attached to a select query by programmer. \*\*\*\*\***

**For INSERT operations, the implicit cursor holds the data that need to be inserted \*\*\*\*\***

Whenever a DML statement (INSERT, UPDATE and DELETE) is issued, an implicit cursor is not automatically associated with this statement

The implicit cursor is declared in the declaration section.

Carefully read the question and answer accordingly.

Comparisons involving nulls always yield NULL

TRUE \*\*\*\*\*

FALSE

Carefully read the question and answer accordingly.

Identify the type of join used in the below query

SELECT empName,DeptNo,DeptName

FROM Emp, Dept

WHERE Emp.DeptId >Dept.DeptId

Equi Join

Natural Join

Non Equi Join \*\*\*\*\*

Invalid Syntax for Join

Inner Join

Carefully read the question and answer accordingly.

DECLARE

```
TYPE StockItem IS RECORD(  
    item_no    Item_master.Item_code%TYPE,  
    item_name  Item_master.Item_name%TYPE,  
    quantity   Stock.Current_stock%TYPE,  
    Unit_price Item_master.unit_price%TYPE);
```

St\_rec StockItem;

Predict what type of record it fall under ?

Table Record

Cursor Record

**Custom Record \*\*\*\*\***

Simple Record

=====

.Carefully read the question and answer accordingly.

Which parameter mode can be used to assign a default value **in the formal parameter declaration** ?

IN OUT

OUT

**IN \*\*\*\*\***

None of the listed option

Carefully read the question and answer accordingly.

Which of the following gives the order of Database administrative steps needed to open an Oracle Database?

Start an instance, Open the Database, Mount the database

Mount the database, Start the instance, Open the database

**Start an instance, Mount the database, Open the database \*\*\*\*\***

Start the database, Start the instance, Mount the Database

Carefully read the question and answer accordingly.

Consider you are maintaining XYZ company database. XYZ database tables are accessed by several users to fetch daily reports by joining multiple tables found each user writes query which is more than 100 line of SQL statement and submits to server for processing in order to fetch results. This is really increasing the network traffic and also response time. What will the right solution you will implement in such scenarios in order to increase performance?

Create View

**Create Stored Procedure\*\*\*\*\***

Create index

Create Trigger

Carefully read the question and answer accordingly.

Can the function get\_employees be called in an SQL statement as below ,

```
SELECT departmentid, description , get_employees(maxsalary) "Employeeid"  
FROM tbl_departments  
WHERE maxsalary = 3000
```

TRUE \*\*\*\*\*

FALSE

Carefully read the question and answer accordingly.

What will be the output of the below query?

```
SELECT * FROM suppliers  
WHERE supplier_name LIKE '!%' escape '!';
```

Query will generate an error

All supplier record will be displayed

All supplier record whose name starts with % will be displayed

All supplier record whose name starts with ! will be displayed

**None of the listed options \*\*\*\*\***

Carefully read the question and answer accordingly.

What is the return type of getAttribute() method of HttpServletRequest ?

**Object \*\*\*\*\***

String

Attribute

None of the listed options

Carefully read the question and answer accordingly.

A filter configuration object used by a servlet container to pass information to a filter during initialization.

State True or False.

**TRUE \*\*\*\*\***

FALSE

Carefully read the question and answer accordingly.

Manoj has created the Hello servlet that displays Welcome in the browser window. The code of the servlet is:

```
package myworld;  
import java.io.IOException;  
import java.io.PrintWriter;  
import javax.servlet.ServletConfig;  
import javax.servlet.ServletException;  
import javax.servlet.http.HttpServlet;  
import javax.servlet.http.HttpServletRequest;
```

```
import javax.servlet.http.HttpServletResponse;  
public class hello extends HttpServlet  
{
```

=====

.Carefully read the question and answer accordingly.

Which of the following Listener can get context init parameter and run some code before rest of the application can service a client?

ServletContextAttributeListener

**ServletContextListener \*\*\*\*\***

HttpSessionListener

None of the listed options

Carefully read the question and answer accordingly.

Which of the following options can be used by the controller to destroy a session of a web application immediately?

**By using the invalidate() method \*\*\*\*\***

By setting the session-timeout parameter in the web.xml file to 1 minute

By setting the setMaxInactiveInterval() method period to 60 seconds

By using the destroy() method

Carefully read the question and answer accordingly.

Which is used to transform XML document?

Xpath

**XSLT\*\*\*\*\***

XSL

None of the listed options

Carefully read the question and answer accordingly.

What are the uses of XML parsers?

- 1.Parsing XML files and retrieving data from XML elements
- 2.Creating XML files programmatically
- 3.Used to direct conversion using an XSLT processor

**1&2 \*\*\*\*\***

2

2&3

1

Carefully read the question and answer accordingly.

Which statement specifies a constant value for a simple element?

<xs:element name="CountryName" type="xs:string" constant="India"/>

<xs:element name="CountryName" type="xs:string" fixed="India"/>\*\*\*\*\*

<xs:element name="CountryName" type="xs:string" fixedvalue="India"/>

None of the listed options

Carefully read the question and answer accordingly.

Which of the following correctly defines use of DTD in XML development?

DTD are used by parsers for validating the structure of the XML

DTD are used as contract between two systems to interoperate.

An Application can use the DTD to validate the XML structure it has received from external systems

All of the listed options \*\*\*\*\*

Carefully read the question and answer accordingly.

Which class does not override the equals() and hashCode() methods, inheriting them directly from class Object?

java.lang.String

java.lang.Double

**java.lang.StringBuffer \*\*\*\*\***

**java.lang.Character**

Carefully read the question and answer accordingly.

We are developing a system that performs approval of various purchasing requests. The approval authority can be a purchase lead or purchase manager or purchase head based on the cost of the purchase. The system should be flexible to select the approver based on the cost of the purchase. Which design pattern should be used to handle this situation.

Bridge pattern

**Chain of Responsibility pattern\*\*\*\*\***

Template Method Pattern

MVC Pattern

```
protected void doGet(HttpServletRequest request HttpServletResponse response) throws  
ServletException IOException  
{  
    PrintWriter out = response.getWriter();  
    out.println("<html>");  
    out.println("<head>");  
    out.println("<title>My Servlet</title>");  
    out.println("</head>");  
    out.println("<body>");  
    out.println("<h>WELCOME</h>");  
    out.println("</body>");  
    out.println("</html>");
```

```
        out.close();
    }
}
```

Which of the following code snippets correctly defines the deployment descriptor for the preceding servlet?

```
<servlet> <servlet-name>hello</servlet-name> <servlet-class>hello</servlet-class> </servlet> <servlet-mapping> <servlet-name>hello</servlet-name> <url-pattern>/hello</url-pattern> </servlet-mapping>
```

```
<servlet> <servlet-name>hello</servlet-name> <servlet-class>myworld.hello</servlet-class> </servlet>
<servlet-mapping> <servlet-name>hello</servlet-name> <url-pattern>/hello</url-pattern> </servlet-mapping>*****
*****
```

```
<servlet> <servlet-name>myworld.hello</servlet-name> <servlet-class>hello</servlet-class> </servlet>
<servlet-mapping> <servlet-name>hello</servlet-name> <url-pattern>/hello</url-pattern> </servlet-mapping>
```

```
<servlet> <servlet-name>hello</servlet-name> <servlet-class>myworld.hello</servlet-class> </servlet>
<servlet-mapping> <servlet-name>hello</servlet-name> <url-pattern>hello</url-pattern> </servlet-mapping>
```

=====

.Carefully read the question and answer accordingly.

Which of the following Listener can get context init parameter and run some code before rest of the application can service a client?

ServletContextAttributeListener

**ServletContextListener \*\*\*\*\***

HttpSessionListener

None of the listed options

Carefully read the question and answer accordingly.

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**By using the invalidate() method \*\*\*\*\***

By setting the session-timeout parameter in the web.xml file to 1 minute

By setting the setMaxInactiveInterval() method period to 60 seconds

By using the destroy() method

Carefully read the question and answer accordingly.

Which is used to transform XML document?

Xpath

**XSLT\*\*\*\*\***

XSL

None of the listed options

Carefully read the question and answer accordingly.

What are the uses of XML parsers?

**1.Parsing XML files and retrieving data from XML elements**

**2.Creating XML files programmatically**

3.Used to direct conversion using an XSLT processor

1&2 \*\*\*\*\*

2

2&3

1

Carefully read the question and answer accordingly.

Which statement specifies a constant value for a simple element?

<xs:element name="CountryName" type="xs:string" constant="India"/>

<xs:element name="CountryName" type="xs:string" fixed="India"/>\*\*\*\*\*

<xs:element name="CountryName" type="xs:string" fixedvalue="India"/>

None of the listed options

Carefully read the question and answer accordingly.

Which of the following correctly defines use of DTD in XML development?

DTD are used by parsers for validating the structure of the XML

DTD are used as contract between two systems to interoperate.

An Application can use the DTD to validate the XML structure it has received from external systems

All of the listed options \*\*\*\*\*

Carefully read the question and answer accordingly.

Which class does not override the equals() and hashCode() methods, inheriting them directly from class Object?

java.lang.String

java.lang.Double

**java.lang.StringBuffer** \*\*\*\*\*

java.lang.Character

Carefully read the question and answer accordingly.

We are developing a system that performs approval of various purchasing requests. The approval authority can be a purchase lead or purchase manager or purchase head based on the cost of the purchase. The system should be flexible to select the approver based on the cost of the purchase. Which design pattern should be used to handle this situation.

Bridge pattern

**Chain of Responsibility pattern**\*\*\*\*\*

Template Method Pattern

## MVC Pattern

=====

Carefully read the question and answer accordingly.

Which class does not override the equals() and hashCode() methods, inheriting them directly from class Object?

java.lang.String

java.lang.Double

java.lang.StringBuffer \*\*\*\*\*

java.lang.Character

Carefully read the question and answer accordingly.

Consider you are creating a JSP page. You want to use the classes of java.util package. Which statement will you use to import the java.util package?

<%@ page import="java.util.\*" %> \*\*\*\*\*

<% page import java.util.\* %>

<% import="java.util.\*" %>

<% import java.util.\* %>

Carefully read the question and answer accordingly.

Which of the following statements are true?

- 1.Index by table has key value pair
- 2.Nested Table has key value pair
- 3.Index by Table is ordered based on its Key
- 4.Nested Table id ordered based on its key
- 5.In a key value pair key is unique

1&2

1&2&3

1&3&4

1&2&4

1&3&5\*\*\*\*\*

Carefully read the question and answer accordingly.

executeUpdate() & execute() are valid methods that can be used for executing DDL statements. State True or False

TRUE \*\*\*\*\*

FALSE

How can you force garbage collection of an object?

- 1.Garbage collection cannot be forced
- 2.Call System.gc().
- 3.Call Runtime.gc().
4. Set all references to the object to new values(null, for example).

Option 2

Option 3

Option 1 \*\*\*\*\*

Option 4

Carefully read the question and answer accordingly.

Which of these is executed first before execution of any other thing takes place in a program?

main method

finalize method

**static block code \*\*\*\*\***

private method

Carefully read the question and answer accordingly.

DIV tag creates linebreaks similar to paragraph tags.

State True or False.

TRUE

FALSE \*\*\*\*\*

Carefully read the question and answer accordingly.

Automatic page Refresh can be done by using refresh Meta Tag.

State True or False.

TRUE \*\*\*\*\*

FALSE

Carefully read the question and answer accordingly.

An art of identifying, organizing, controlling and verifying the modification to the software work products built by the developer.

SDLC

SVN

SCM\*\*\*\*\*

HCM

Carefully read the question and answer accordingly.

In JavaScript, for reading the contents inside the first paragraph tag which statement is used?

document.getElementsByTagName("p").innertext()

document.getElementsByTagName("p")[0].innerText; \*\*\*\*\*

document.getElementsByTagName("p[0]").innertext()

None of the listed options

Carefully read the question and answer accordingly.

In JSP request implicit object is of which type?

HttpServletRequest \*\*\*\*\*

ServletHttpRequest

ServletRequest

HttpRequest

Carefully read the question and answer accordingly.

Gen has written a JSP code in which he is calling the getMessage() function which is returning a value "hello world". You have to identify which code should he use to get this?

<html> <%! String message="hello world"; String getMessage() { return message; } %> Message for you:<%= getMessage() %> </html> \*\*\*\*\*

<html> <% String message="hello world"; String getMessage() { return message; } %> Message for you:<%= getMessage() %> </html>

<html> <%= String message="hello world"; String getMessage() { return message; } %> Message for you:<%= getMessage() %> </html>

<html> <%! String message="hello world"; String getMessage() { return message; } %> Message for you:<%! getMessage() %> </html>

Carefully read the question and answer accordingly.

Which of the following variable represents the uncaught throwable object that resulted from a call to the error page in JSP?

Application

Config

Exception \*\*\*\*\*

Request

last questn dekhle

Carefully read the question and answer accordingly.

What are the true aspects of implicit and explicit cursors?

Implicit cursors are automatically created by oracle when a select query in PLSQL is executed. Explicit cursors are explicitly attached to a select query by programmer. \*\*\*\*\*

For INSERT operations, the implicit cursor holds the data that need to be inserted\*\*\*\*\*

Whenever a DML statement (INSERT, UPDATE and DELETE) is issued, an implicit cursor is not automatically associated with this statement

The implicit cursor is declared in the declaration section.

Carefully read the question and answer accordingly.

The %ROWTYPE attribute provides a record type that represents a row in

view

index

table \*\*\*\*\*

nested table

Carefully read the question and answer accordingly.

Identify the type of join used in the below query

```
SELECT empName,DeptNo,DeptName  
FROM Emp, Dept  
WHERE Emp.DeptId >Dept.DeptId
```

Equi Join

Natural Join

Non Equi Join \*\*\*\*\*

Invalid Syntax for Join

Inner Join

Carefully read the question and answer accordingly.

```
CREATE OR REPLACE FUNCTION dml_call_sql(sal NUMBER)  
RETURN NUMBER IS  
BEGIN  
INSERT INTO employees(employee_id, last_name,  
email, hire_date, job_id, salary)  
VALUES(1, 'Frost', 'jfrost@company.com',  
SYSDATE, 'SA_MAN', sal);  
RETURN (sal + 100);
```

END;

The above user defined PL/SQL function is called from the below UPDATE query. What is your prediction about the OUTPUT ?

UPDATE employees

SET salary = dml\_call\_sql(2000)

WHERE employee\_id = 170;

UPDATE will happen

throws EXCEPTION

result in mutating table error \*\*\*\*\*

None of the listed option

Carefully read the question and answer accordingly.

Evaluate the CREATE TABLE statement:

CREATE TABLE products

(product\_id NUMBER(6) CONSTRAINT prod\_id\_pk PRIMARY KEY,  
product\_name VARCHAR2(15));

Which statement is true regarding the PROD\_ID\_PK constraint?

It would be created only if a unique index is manually created first.

It would be created and would use an automatically created unique index. \*\*\*\*\*

It would be created and would use an automatically created nonunique index.

It would be created and remains in a disabled state because no index is specified in the command.

Carefully read the question and answer accordingly.

What will be the output of the below query?

SELECT \* FROM suppliers

WHERE supplier\_name LIKE '!%' escape '!';

Query will generate an error

All supplier record will be displayed

All supplier record whose name starts with % will be displayed

All supplier record whose name starts with ! will be displayed

None of the listed options \*\*\*\*\*

Carefully read the question and answer accordingly.

A filter configuration object used by a servlet container to pass information to a filter during initialization.

State True or False.

TRUE \*\*\*\*\*

FALSE

Carefully read the question and answer accordingly.(verify by sir)

Which of the following codes will allow the user to load the servlet using form. The form should first display submit button and when the user clicks on submit button it should load the servlet called myservlet?

```
<HTML><BODY><FORM ACTION=http://localhost:8080/servlet/myservlet METHOD=GET></FORM>
</BODY></HTML>
```

```
<HTML><BODY><FORM ACTION=http://localhost:8080/servlet/myservlet METHOD=GET><INPUT
TYPE=SUBMIT VALUE=SUBMIT></FORM></BODY></HTML> *****
```

```
<HTML><BODY><INPUT TYPE=SUBMIT VALUE=SUBMIT></FORM></BODY></HTML>
```

```
<HTML><BODY><FORM ACTION=http://localhost:8080/servlet METHOD=GET><INPUT TYPE=SUBMIT
VALUE=SUBMIT></FORM></BODY></HTML>
```

Carefully read the question and answer accordingly.

Which of the following is NOT TRUE for the servlet?

Servlets are Platform Independent.

Servlets are robust and object oriented.

Servlets only contains business logic. \*\*\*\*\*

Each request in servlet runs in separate thread.

Carefully read the question and answer accordingly.

Which of the following options can be used by the controller to destroy a session of a web application immediately?

By using the invalidate() method \*\*\*\*\*

By setting the session-timeout parameter in the web.xml file to 1 minute

By setting the setMaxInactiveInterval() method period to 60 seconds

By using the destroy() method

Carefully read the question and answer accordingly.

A Service locator is best implemented as a singleton

TRUE \*\*\*\*\*

FALSE

Carefully read the question and answer accordingly.

Which of the following are true about protected access specifier?

If one class is having protected method then the method is available for subclass which is present in another package

A class can be declared as protected.

All members of abstract class are by default protected

\*\*\*\*\*

Protected is default access modifier of a child class

Carefully read the question and answer accordingly.

Which of the following are synchronized?

- 1.Hashtable
- 2.Hashmap
- 3.Vector
- 4.ArrayList

1&2

1&3

\*\*\*\*\*

2&3

1&4

2&4

Carefully read the question and answer accordingly.

State TRUE or FALSE.

```
line 1: public class Test {  
line 2: public static void main(String[] args) {  
line 3: Queue queue = new LinkedList();  
line 4: queue.add("Hello");  
line 5: queue.add("World");  
line 6: List list = new ArrayList(queue);  
line 7: System.out.println(list); }  
line 8: }
```

Above code will give run time error at line number 3.

TRUE

FALSE

\*\*\*\*\*

Carefully read the question and answer accordingly.

What happens when the following code is compiled and run. Select the one correct answer.

```
for(int i = 1; i < 3; i++)
    for(int j = 3; j >= 1; j--)
        assert i!=j : i;
```

The class compiles and runs, but does not print anything.

The number 1 gets printed with AssertionError

\*\*\*\*\*

The number 2 gets printed with AssertionError

The number 3 gets printed with AssertionError

The program generates a compilation error.

Carefully read the question and answer accordingly.

What will be the output for following code?

```
import java.io.*;
public class Exception1
{
    public static void main(String[]args)
    {
        System.out.println("A");

        try
        {
        }
        catch(IOException t)
        {
            System.out.println("B");
        }

        System.out.println("C");
    }
}
```

Compile time error

\*\*\*\*\*

A

A,C

Runtime error

Carefully read the question and answer accordingly.

Which of the following exception is not mandatory to be handled in code?

IOException

FileNotFoundException

SQLException

NullPointerException

Carefully read the question and answer accordingly.

Which of the following are abstract classes?

- 1.Reader
- 2.InputStreamReader
- 3.InputStream
- 4.OutputStream

1&2

1&2&3

1&3&4 \*\*\*\*\*

1&2&4

2&4

Carefully read the question and answer accordingly.

```
interface B
{
    public void bM1();
    public void bM2();
}

abstract class A implements B
{
    public abstract void aM1();
    public abstract void aM2();
    public void bM1(){}
}

public class Demo extends A
{}
```

In above scenario class Demo must override which methods?

public void aM2(){}

public void aM1(){}

public void bM2(){}

All of the listed options\*\*\*\*\*

Carefully read the question and answer accordingly.

State whether TRUE or FALSE.

Object class provides a method named getClass() which returns runtime class of an object.

TRUE \*\*\*\*\*

FALSE

Carefully read the question and answer accordingly.

Consider the following statements:

Statement A: The PreparedStatement object enables you to execute parameterized queries.

Statement B: The SQL query can use the placeholders which are replaced by the INPUT parameters at runtime.

Which of the following option is True with respect to the above statements?

**Both Statement A and Statement B are True.**

Statement A is True and Statement B is False.

Statement A is False and Statement B is True.

Both Statements A and B are False.

vCarefully read the question and answer accordingly.

Which type of driver converts JDBC calls into the network protocol used by the database management system directly?

Type 1 driver

Type 2 driver

Type 3 driver

**Type 4 driver** \*\*\*\*\*

Carefully read the question and answer accordingly.

The ++ operator postfix and prefix has the same effect

TRUE

**FALSE** \*\*\*\*\*

Carefully read the question and answer accordingly.

Consider you are developing a JDBC application, where you have to retrieve quarterly report from database by executing database store procedure created by database developer. Which statement API you will use to execute store procedure and retrieve ResultSet information?

Statement

PreparedStatement

**CallableStatement** \*\*\*\*\*

None of the listed options

Carefully read the question and answer accordingly.

State whether TRUE or FALSE.

The APIS of StringBuffer are synchronized unlike that of StringBuilder

**TRUE** \*\*\*\*\*

FALSE

Carefully read the question and answer accordingly.

Which of the following statements are true?

Statement1: When a thread is sleeping as a result of sleep(), it releases its locks.

Statement2: The Object.wait() method can be invoked only from a synchronized context.

Statement1 is TRUE but Statement2 is FALSE.

**Statement2 is TRUE but Statement1 is FALSE.**

BOTH Statement1 & Statement2 are TRUE.

BOTH Statement1 & Statement2 are FALSE.

Carefully read the question and answer accordingly.

Which tag creates containers to other HTML tags/elements?

I: DIV

II: SPAN

| \*\*\*\*\*

II

Both I & II

None of the listed options

Carefully read the question and answer accordingly.

Consider Vijay is developing web page using HTML. Which method he can use for sending data securely on submitting the form?

I: POST

II: GET

| \*\*\*\*\*

II

Both I & II

None of the listed options

Carefully read the question and answer accordingly.

HTML is used to perform the programming logic.

State True or False.

FALSE \*\*\*\*\*

TRUE

Carefully read the question and answer accordingly.

Automatic page Refresh can be done by using refresh Meta Tag.

State True or False.

TRUE \*\*\*\*\*

FALSE

Carefully read the question and answer accordingly.

Which tag is used to include multiple HTML pages in single page?

frame \*\*\*\*\*

frameset

frames

None of the listed options

v

Carefully read the question and answer accordingly.

What are the Tools & plug-ins commonly used in testing java application code?

- 1.ANT
- 2.JUnit
- 3.JavaScript
- 4.EMMA

1&2

3&4

2&3

**2&4 \*\*\*\*\***

Carefully read the question and answer accordingly.

Select the right coding best practices followed while using java Collections.

- 1.Use for loop instead of iterator
- 2.Use Collections with generic with same type of data.
- 3.Copy collections into other collections by calling addAll() methods instead using iterator to copy each collection element.

1&2

**2&3 \*\*\*\*\***

1&3

3

Carefully read the question and answer accordingly.

Which of the following is build tool?

**ANT \*\*\*\*\***

PMD

Checkstyle

CPD

Carefully read the question and answer accordingly.

An art of identifying, organizing, controlling and verifying the modification to the software work products built by the developer.

SDLC

SVN

**SCM \*\*\*\*\***

HCM

Carefully read the question and answer accordingly.

Variables in Java Script should be declared with data types.

State True or False.

**FALSE \*\*\*\*\***

TRUE

Carefully read the question and answer accordingly.

In JavaScript, for reading the contents inside the first paragraph tag which statement is used?

`document.getElementsByTagName("p").innertext()`

`document.getElementsByTagName("p")[0].innerText;`

**\*\*\*\*\***

`document.getElementsByTagName("p[0]").innertext()`

None of the listed options

Carefully read the question and answer accordingly.

JSP syntax errors are caught during which lifecycle event of JSP?

Execution

Compilation

Translation\*\*\*\*\*

Container doesn't mind JSP syntax errors

Carefully read the question and answer accordingly.

Which statement is true about Java Server Pages?

- 1.Used to build dynamic web pages
- 2.Platform dependent
- 3.HTML files with special tags that contain java source code to generates dynamic content

1&3 \*\*\*\*\*

2&3

1&2

3

Carefully read the question and answer accordingly.

Which attribute of the page directive indicates that the JSP engine can handle more than one request at a time when its value is set to true?

IsThreadSafe \*\*\*\*\*

Info

autoflush

extends

Carefully read the question and answer accordingly.

Which of the following used by container to validate a custom tag in a JSP page?

web.xml

Xerces

Xmlspy

Tag Library

Descriptor\*\*\*\*\*

each done

Carefully read the question and answer accordingly.

TagSupport and BodyTagSupport classes are present in which package?

java.servlet.jsp.tagext

check answer for %type question

javax.servlet.jsp.tag

javax.servlet.jsp.tag.ext

javax.servlet.jsp.tagext\*\*\*\*\*

Carefully read the question and answer accordingly.

A Web application developed for an institution requires insertion of a header file comprising the logo and institution name. Identify the correct JSP tag from the options given below to add the logo and institution name to all the pages of the Web application.

```
<form method="post" action="Header.html">
```

```
<%@ include file="Header.html" %> *****
```

```
<jsp:forward page="Header.html">
```

```
<% page import="Header.html" %>
```

Carefully read the question and answer accordingly.

Which of following are EL implicit objects?

- 1.pageContext
- 2.parameter
- 3.parameterValues
- 4.header
- 5.session

```
1&4 *****
```

2&4

3&4

4&5

1&5

Carefully read the question and answer accordingly.

What will be the output of the following code snippet?

```
<% page language="java"%>
<html>
<head></head>
<body>
<%java.util.Date now=new java.util.Date(); %>
<H1><%= now.getHours()%>:<%=now.getMinutes()%>:<%=now.getSeconds()%></H1>
```

```
</body>
</html>
```

It will display the date as mm:dd:yy.

It will display the date and time.

It will display time as hh/mm/ss.

It will display the current time as hh:mm:ss.

```
*****
```

Carefully read the question and answer accordingly.

Which of the following variable represents the uncaught throwable object that resulted from a call to the error page in JSP?

Application

Config

Exception \*\*\*\*\*

Request

Carefully read the question and answer accordingly.

Consider the usage of JSTL forEach tag in the following code snippet:

```
<font color='green'>
<ul>
<c:foreach flag=errmsg items="${errorMsgs}">
<li>$errmsg</li>
</c:foreach>
</ul>
</font>
```

The code snippet contains some errors. Predict the correct code.

```
<font color='green'> <ul> <c:forEach flag=errmsg items="${errorMsgs}"> <li>$errmsg</li> </c:forEach>
</ul> </font>
```

```
<font color='green'> <ul> <c:forEach flag="errmsg" items="${errorMsgs}"> <li>${errmsg}</li>
</c:forEach> </ul> </font> *****
```

```
<font color='green'> <ul> <c:forEach flag="errmsg" items="${errorMsgs}"> <li>$errmsg</li> </c:forEach>
</ul> </font>
```

```
<font color='green'> <ul> <c:forEach flag=errmsg items="${errorMsgs}"> <li>${errmsg}</li> </c:forEach> </ul> </font>
```

Carefully read the question and answer accordingly.

You are creating a procedure which accepts the employee name and displays the employee details like Employee Name, Employee No, Manager

Identify the correct syntax to achieve the desired result.

```
create or replace procedure prcEmp_details(EmpName varchar2) as begin declare cursor c1 is select * from Emp where Ename=EmpName; begin for rec in c1 LOOP dbms_output.put_line(rec.ename||'|'||rec.empNO||'|'||rec.Mrg); end loop; end; end;
```

```
create or replace procedure prcEmp_details(EmpName varchar2) as begin declare cursor c1 is select * from Emp where Ename=EmpName; begin for rec in c1 LOOP dbms_output.put_line(c1.ename||'|'||c1.empNO||'|'||c1.Mrg); end loop; end; end;
```

```
create or replace procedure prcEmp_details(EmpName varchar2 OUT) as begin declare cursor c1 is select * from Emp where Ename=EmpName; begin for rec in c1 LOOP dbms_output.put_line(rec.ename||'|'||rec.empNO||'|'||rec.Mrg); end loop; end; end;
```

```
create or replace procedure prcEmp_details(EmpName varchar2 OUT) as begin declare cursor c1 is select * from Emp where Ename=EmpName; begin for rec in c1 LOOP dbms_output.put_line(c1.ename||'|'||c1.empNO||'|'||c1.Mrg); end loop; end; end;
```

None of the listed options as procedures cannot be created for select statement

\*\*\*\*\*

Carefully read the question and answer accordingly.

Pick the advantage of declaring a variable using %TYPE attribute. For example:

v\_last\_name

employees.last\_name%TYPE.\*\*\*\*\*

you need not know the exact datatype of last\_name

memory consumption is less

if you change the database definition of last\_name, perhaps to make it a longer character string, the datatype of v\_last\_name changes accordingly at run time. \*\*\*\*\*

faster processing

Carefully read the question and answer accordingly.

Which of the following is the correct syntax for left outer join ?

- 1.select Stud\_Name , clg\_Name  
from student s left outer join college c  
on s.clg\_code = c.clg\_code
- 2.select Stud\_name , clg\_Name  
from studentDemo s ,collegeDemo c  
where s.clg\_code = c.clg\_code(+)
- 3.select Stud\_name , clg\_Name  
from studentDemo s ,collegeDemo c  
where s.clg\_code(+) = c.clg\_code
- 4.select Stud\_Name , clg\_Name  
from student s outer join left college c  
on s.clg\_code = c.clg\_code
- 5.select Stud\_Name , clg\_Name  
from student s left outer join college c  
where s.clg\_code = c.clg\_code

1&2 \*\*\*\*\*

1&5

2&3

1&4

2&4

Carefully read the question and answer accordingly.

Which of the following statements are true?

- 1.Index by table has key value pair
- 2.Nested Table has key value pair
- 3.Index by Table is ordered based on its Key
- 4.Nested Table id ordered based on its key

5.In a key value pair key is unique

1&2

1&2&3

1&3&4

1&2&4

1&3&5\*\*\*\*\*

k

Carefully read the question and answer accordingly.

You need to create a trigger on the EMP table that monitors every row that is changed and places this information into the AUDIT\_TABLE.

What type of trigger do you create?

FOR EACH ROW trigger on the EMP table. \*\*\*\*\*

Statement-level trigger on the EMP table.

FOR EACH ROW trigger on the AUDIT\_TABLE table.

Statement-level trigger on the AUDIT\_TABLE table.

FOR EACH ROW statement-level trigger on the EMP table.

Carefully read the question and answer accordingly.

Oracle instance comprises of background processes and memory structure. State True or False.

TRUE \*\*\*\*\*

FALSE

Carefully read the question and answer accordingly.

Which of the following gives the order of Database administrative steps needed to open an Oracle Database?

Start an instance, Open the Database, Mount the database

Mount the database, Start the instance, Open the database

Start an instance, Mount the database, Open the database

Start the database, Start the instance, Mount the Database

Carefully read the question and answer accordingly.

What error the following code will display?

```
DECLARE
    dynamic_stmt VARCHAR2(200);
    dummy      BOOLEAN;
    FUNCTION get_x (x INTEGER)
        RETURN BOOLEAN
    AS
    BEGIN
        NULL;
    END get_x;
    BEGIN
        dynamic_stmt := 'BEGIN :b := get_x(5); END;';
        EXECUTE IMMEDIATE dynamic_stmt USING OUT dummy;
    END;
```

"Cannot string in current PLSQL session"

"String is not active"

"Expressions have to be of SQL types" \*\*\*\*\*

None of the listed options

Carefully read the question and answer accordingly.

What exception the below code will raise?

```
DECLARE
    TYPE tab_numbers IS TABLE OF NUMBER
```

```
INDEX BY PLS_INTEGER;
l_numbers tab_numbers;
BEGIN
DBMS_OUTPUT.PUT_LINE (l_numbers (100));
END;
```

TOO\_MANY\_ROWS

NO\_DATA\_FOUND \*\*\*\*\*

SUBSCRIPT\_BEYOND\_COUNT

None of the listed options

Carefully read the question and answer accordingly.

What will be the output of the below query?

```
SELECT * FROM suppliers
WHERE supplier_name LIKE '!%' escape '!';
```

Query will generate an error

All supplier record will be displayed

All supplier record whose name starts with % will be displayed

All supplier record whose name starts with ! will be displayed

None of the listed options\*\*\*\*\*

Carefully read the question and answer accordingly.

What is the use of ServletConfig interface?

A servlet configuration object used by a servlet container to pass information to a servlet during initialization

The ServletConfig object is contained within the ServletContext object.

Defines an object to provide client request information to a servlet

All of the listed options \*\*\*\*\*

Carefully read the question and answer accordingly.

Ronald has observed that his Web application has some HTML tags or features that all the Web browsers do not support. If the client's browser does not support the application may or may not run or may generate undesired output in the Web browser of the client. Therefore Ronald wants to identify the type of browser and other specific information about the client that sends the request to the Web application before invoking the servlet. Which of the following options will help Ronald provide this functionality?

By programming filters \*\*\*\*\*

By creating security constraints

By modifying the web deployment descriptor

By implementing the Listeners

Carefully read the question and answer accordingly.

Mention some of the important functions of Servlet Filter.

- 1.Security Checks
- 2.allowing all the users
- 3.Modifying the request or response

1&2

1&3 \*\*\*\*\*

2&3

2

Carefully read the question and answer accordingly.

You being a software developer needs to develop a web application for your organization. You decided to use servlets to create the web application. While you are creating the servlet you feel the need to write the code for the initialization of the servlet. This is needed to initialize the servlet with the required data after the servlet instance has been created. How will you perform this task?

By overriding the service method in the servlet class.

By overriding the init method in the servlet class.

By overriding the destroy method in the servlet class.

By overriding the doGet method in the servlet class.

v

Carefully read the question and answer accordingly.

Consider the following statements:

Statement A: A resource is passive when it does not have any processing of its own.

Statement B: The content of a passive resource does not change.

Which of the following is true about these statements?

Statement A is true and statement B is true. \*\*\*\*\*

Statement A is true and statement B is false.

Statement A is false and statement B is true.

Statement A is false and statement B is false.

Carefully read the question and answer accordingly.

Which of the following Listener is used to track number of active sessions or users?

ServletRequestListener

ServletRequestListener

HttpSessionListener \*\*\*\*\*

HttpSessionBindingListener

Carefully read the question and answer accordingly.

Consider the following code snippet:

```
ServletContext sc = this.getServletContext();
RequestDispatcher dis = sc.getRequestDispatcher("/menu.jsp");
if (dis != null){
    dis.include(request, response);
```

```
}
```

```
PrintWriter out = response.getWriter();
```

```
out.print("Output after menu.jsp");
```

```
Which one of the following will be the correct outcome when the above lines are executed?
```

Compilation and output of the contents of menu.jsp only

Compilation and output of the contents of menu.jsp followed by "Output after menu.jsp"

Compilation error

Compilation, but runtime error, the buffer has been flushed

Carefully read the question and answer accordingly.

HTTP is stateful protocol which maintains clients state automatically. State True or False.

FALSE \*\*\*\*\*

TRUE

Carefully read the question and answer accordingly.

Which statement creates DocumentBuilderFactory instance?

```
DocumentBuilderFactory f=new DocumentBuilderFactory();
```

```
DocumentBuilderFactory f= BuilderFactory.newInstance();
```

DocumentBuilderFactory f=DocumentBuilderFactory.newInstance();

None of the listed options

Carefully read the question and answer accordingly.

Which parser reads small chunk of document at a time,parses it,generate an events and then reads another chunk of document

DOM

SAX \*\*\*\*\*

XML

None of the listed options

Carefully read the question and answer accordingly.

Which complex type signifies that only one of the child elements can appear?

```
<xs:complexType name="CountryInfo"><xs:all> <xs:element name="countryName" type="xs:string"/>
<xs:element name="states" type="xs:integer"/></xs:all></xs:complexType>
```

```
<xs:complexType name="CountryInfo"><xs:choice> <xs:element name="countryName"
type="xs:string"/> <xs:element name="states" type="xs:integer"/></xs:choice></xs:complexType>
*****
```

```
<xs:complexType name="CountryInfo"><xs:sequence> <xs:element name="countryName"
type="xs:string"/> <xs:element name="states" type="xs:integer"/></xs:sequence></xs:complexType>
```

None of the listed options

Carefully read the question and answer accordingly.

Any text that should not be parsed by the XML parser needs to declare as:

I: PCDATA

II: CDATA

I

```
II *****
```

Both I & II

None of the listed options

Carefully read the question and answer accordingly.

Consider you are developing a JDBC application, where you have to retrieve Employee table schema information like table columns name, columns field length and data type etc. Which API you will use to retrieve table schema information?

ResultSet

```
ResultSetMetaData *****
```

DataSource

Statement

Carefully read the question and answer accordingly.

Select the benefit of using Transfer Object design pattern

It reduces network traffic by combining multiple calls into one network call and fetch and return  
multiple values in one trip \*\*\*\*\*

It increases the complexity of the remote interface and access by removing coarse grained methods

Minimizes the latency and server resource usage \*\*\*\*\*

It increases the network performance by introducing multiple fine grained remote requests

Carefully read the question and answer accordingly.

Which of the following are true about protected access specifier?

If one class is having protected method then the method is available for subclass which is present in another package

A class can be declared as protected.

All members of abstract class are by default protected \*\*\*\*\*

Protected is default access modifier of a child class

Carefully read the question and answer accordingly.

Which of the following are synchronized?

1.Hashtable

2.Hashmap

3.Vector

4.ArrayList

1&2

1&3 \*\*\*\*\*

2&3

1&4

2&4

Carefully read the question and answer accordingly.

State TRUE or FALSE.

```
line 1: public class Test {  
line 2: public static void main(String[] args) {  
line 3: Queue queue = new LinkedList();  
line 4: queue.add("Hello");  
line 5: queue.add("World");  
line 6: List list = new ArrayList(queue);  
line 7: System.out.println(list); }  
line 8: }
```

Above code will give run time error at line number 3.

TRUE

FALSE\*\*\*\*\*

Carefully read the question and answer accordingly.

What happens when the following code is compiled and run. Select the one correct answer.

```
for(int i = 1; i < 3; i++)  
    for(int j = 3; j >= 1; j--)  
        assert i!=j : i;
```

The class compiles and runs, but does not print anything. \*\*\*\*\*

The number 1 gets printed with Assertion Error

The number 2 gets printed with Assertion Error

The number 3 gets printed with Assertion Error

The program generates a compilation error.

Carefully read the question and answer accordingly.

What will be the output for following code?

```
import java.io.*;
public class Exception1
{
    public static void main(String[]args)
    {
        System.out.println("A");

        try
        {
        }
        catch(IOException t)
        {
            System.out.println("B");
        }

        System.out.println("C");
    }
}
```

Compile time error \*\*\*\*\*

A  
A,C  
Runtime error

Carefully read the question and answer accordingly.

Which of the following exception is not mandatory to be handled in code?

IOException

FileNotFoundException

SQLException

NullPointerException \*\*\*\*\*

Carefully read the question and answer accordingly.

Which of the following are abstract classes?

1.Reader

2.InputStreamReader

3.InputStream

4.OutputStream

1&2

1&2&3

1&3&4 \*\*\*\*\*

1&2&4

2&4

Carefully read the question and answer accordingly.

interface B

{

public void bM1();

public void bM2();

}

abstract class A implements B

{

public abstract void aM1();

public abstract void aM2();

public void bM1(){}

}

```
public class Demo extends A
{
}
```

In above scenario class Demo must override which methods?

```
public void aM2(){}
public void aM1(){}
public void bM2(){}
All of the listed options *****
```

Carefully read the question and answer accordingly.

State whether TRUE or FALSE.

Object class provides a method named getClass() which returns runtime class of an object.

TRUE \*\*\*\*\*

FALSE

Carefully read the question and answer accordingly.

Consider the following statements:

Statement A: The PreparedStatement object enables you to execute parameterized queries.

Statement B: The SQL query can use the placeholders which are replaced by the INPUT parameters at runtime.

Which of the following option is True with respect to the above statements?

Both Statement A and Statement B are True.\*\*\*\*\*

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TRUE \*\*\*\*\*

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Mount the database, Start the instance, Open the database

Start an instance, Mount the database, Open the database \*\*\*\*\*

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```
DECLARE
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        RETURN BOOLEAN
    AS
    BEGIN
        NULL;
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BEGIN
    dynamic_stmt := 'BEGIN :b := get_x(5); END;';
    EXECUTE IMMEDIATE dynamic_stmt USING OUT dummy;
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```

"Cannot string in current PLSQL session"

"String is not active"

"Expressions have to be of SQL types" \*\*\*\*\*

None of the listed options

Carefully read the question and answer accordingly.

What exception the below code will raise?

```
DECLARE
  TYPE tab_numbers IS TABLE OF NUMBER
    INDEX BY PLS_INTEGER;
  l_numbers tab_numbers;
BEGIN
  DBMS_OUTPUT.PUT_LINE (l_numbers (100));
END;
```

TOO\_MANY\_ROWS

NO\_DATA\_FOUND \*\*\*\*\*

SUBSCRIPT\_BEYOND\_COUNT

None of the listed options

Carefully read the question and answer accordingly.

What will be the output of the below query?

SELECT \* FROM suppliers

WHERE supplier\_name LIKE '!%' escape '!';

Query will generate an error

All supplier record will be displayed

All supplier record whose name starts with % will be displayed

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None of the listed options \*\*\*\*\*

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1&2

1&3 \*\*\*\*\*

2&3

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By overriding the init method in the servlet class. \*\*\*\*\*

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By overriding the doGet method in the servlet class.

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RequestDispatcher dis = sc.getRequestDispatcher("/menu.jsp");
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    dis.include(request, response);
}
```

```
PrintWriter out = response.getWriter();
out.print("Output after menu.jsp");
```

Which one of the following will be the correct outcome when the above lines are executed?

Compilation and output of the contents of menu.jsp only

Compilation and output of the contents of menu.jsp followed by "Output after menu.jsp"

Compilation error

Compilation, but runtime error, the buffer has been flushed

Carefully read the question and answer accordingly.

HTTP is stateful protocol which maintains clients state automatically. State True or False.

FALSE \*\*\*\*\*

TRUE

Carefully read the question and answer accordingly.

Which statement creates DocumentBuilderFactory instance?

DocumentBuilderFactory f=new DocumentBuilderFactory();

DocumentBuilderFactory f= BuilderFactory.newInstance();

**DocumentBuilderFactory f=DocumentBuilderFactory.newInstance(); \*\*\*\*\***

None of the listed options

Carefully read the question and answer accordingly.

Which parser reads small chunk of document at a time, parses it, generate an events and then reads another chunk of document

DOM

**SAX \*\*\*\*\***

XML

None of the listed options

Carefully read the question and answer accordingly.

Which complex type signifies that only one of the child elements can appear?

<xs:complexType name="CountryInfo"><xs:all> <xs:element name="countryName" type="xs:string"/>

<xs:element name="states" type="xs:integer"/></xs:all></xs:complexType>

**<xs:complexType name="CountryInfo"><xs:choice> <xs:element name="countryName" type="xs:string"/> <xs:element name="states" type="xs:integer"/></xs:choice></xs:complexType>\*\*\*\*\***

<xs:complexType name="CountryInfo"><xs:sequence> <xs:element name="countryName" type="xs:string"/> <xs:element name="states" type="xs:integer"/></xs:sequence></xs:complexType>

None of the listed options

Carefully read the question and answer accordingly.

Any text that should not be parsed by the xml parser needs to declare as:

I: PCDATA

II: CDATA

I

**II \*\*\*\*\***

Both I & II

None of the listed options

Carefully read the question and answer accordingly.

Consider you are developing a JDBC application, where you have to retrieve Employee table schema information like table columns name, columns field length and data type etc. Which API you will use to retrieve table schema information?

ResultSet

ResultSetMetaData \*\*\*\*\*

DataSource

Statement

Carefully read the question and answer accordingly.

Select the benefit of using Transfer Object design pattern

It reduces network traffic by combining multiple calls into one network call and fetch and return  
multiple values in one trip \*\*\*\*\*

It increases the complexity of the remote interface and access by removing coarse grained methods

Minimizes the latency and server resource usage \*\*\*\*\*

It increases the network performance by introducing multiple fine grained remote requests

- c. It will print ArithmeticException and prints 5  
 d. It will print 5

**Question 59**

Answer saved

Marked out of 1.00

Flag question

Please select the correct statement with respect to including JavaScript in HTML pages.

Select one:

- a. JavaScript can be written inside the page body  
 b. All of the listed options  
 c. JavaScript can be written as an external file and imported to the page  
 d. JavaScript can be written inside the header

**Question 60**

Answer saved

Marked out of 1.00

Flag question

Which JSTL code snippet can be used to perform URL rewriting?

Select one:

- a. <a href=<c:link url="cognizant.jsp"/>/>  
 b. <a href='<c:link value="cognizant.jsp"/>'>  
 c. <a href='<c:url value="cognizant.jsp"/>'>

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Finish attempt ...

Time left 1:09:41

**Question 58**

Answer saved

Marked out of 1.00

Flag question

What will be the output for following code?

```
public MethodOverloading {
    int m=10,n;
    public void div(int a) throws Exception{
        n=m/a;
        System.out.println(n);
    }
    public void div(int a,int b) {
        n=a/b;
    }
    public static void main(String[]args) throws Exception{
        MethodOverloading o=new MethodOverloading();
        o.div(0);
        o.div(10,2);
    }
}
```

Select one:

- a. It will give ArithmeticException  
 b. None of the listed options  
 c. It will print ArithmeticException and prints 5  
 d. It will print 5

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**QUIZ NAVIGATION**

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57	58	59	60			

Finish attempt ...

Time left 1:09:51

a. Triggers  
 b. Functions  
 c. None of the listed options  
 d. Cursors  
 e. Stored Procedure

**Question 57**  
 Answer saved  
 Marked out of 1.00  
[Flag question](#)

Consider you are creating a cursor, Choose the correct sequence of steps to work with cursors?

Select one:

a. Open , Fetch , Close  
 b. Define , Open , Fetch , Close  
 c. Declare , Fetch , Open Fetch  
 d. Open , Declare , Fetch Close  
 e. Declare , Open , Fetch , Close

**Question 58**  
 Answer saved  
 Marked out of 1.00  
[Flag question](#)

What will be the output for following code?

```
public MethodOverloading {
```

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**QUIZ NAVIGATION**

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57	58	59	60			

Finish attempt ...

Time left 1:09:59

a. The value can be the null reference  
 b. The value cannot be the null reference  
 c. The key can be the null reference  
 d. The key cannot be the null reference

**Question 55**  
 Answer saved  
 Marked out of 1.00  
[Flag question](#)

Which statements are true about HashTables?

Select one or more:

a. The value can be the null reference  
 b. The value cannot be the null reference  
 c. The key can be the null reference  
 d. The key cannot be the null reference

**Question 56**  
 Answer saved  
 Marked out of 1.00  
[Flag question](#)

Views are a powerful mechanism for customizing the way your data is presented to users. They can be used to enhance security and streamline complex table relationships. Views that create static results can still be modified using \_\_\_\_\_, which allow you to define how the underlying tables are modified ensuring your data integrity.

Select one:

a. Triggers  
 b. Functions  
 c. None of the listed options

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43	44	45	46	47	48	49
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57	58	59	60			

Finish attempt ...

Time left 1:10:09

**Question 54**

Answer saved

Marked out of 1.00

Flag question

Consider you are developing an ATM application for ABC Bank using java application. Several account holders of ABC Bank have opted for add-on cards. There is a chance that two users may access the same account at same time and do transaction simultaneously knowingly or unknowingly from different ATM machine from same or different bank branches. As developer you have to ensure that when one user login to account until he finishes his transaction account should be locked to other users who are trying access the same account. How do you implement given requirement programmatically using java?

Select one:

- a. Using Thread Synchronization
- b. None of the listed options
- c. Using object deserialization
- d. Using object serialization

**Question 55**

Answer saved

Marked out of 1.00

Flag question

Which statements are true about HashTables?

Select one or more:

- a. The value can be the null reference

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57	58	59	60			

Finish attempt ...

Time left 1:10:20

Which of the following code snippets correctly defines the deployment descriptor for the preceding servlet?

Select one:

- a. <servlet> <servlet-name>hello</servlet-name> <servlet-class>hello</servlet-class> </servlet> <servlet-mapping> <servlet-name>hello</servlet-name> <url-pattern>/hello</url-pattern> </servlet-mapping>
- b. <servlet> <servlet-name>hello</servlet-name> <servlet-class>myworld.hello</servlet-class> </servlet> <servlet-mapping> <servlet-name>hello</servlet-name> <url-pattern>/hello</url-pattern> </servlet-mapping>
- c. <servlet> <servlet-name>myworld.hello</servlet-name> <servlet-class>hello</servlet-class> </servlet> <servlet-mapping> <servlet-name>hello</servlet-name> <url-pattern>/hello</url-pattern> </servlet-mapping>
- d. <servlet> <servlet-name>hello</servlet-name> <servlet-class>myworld.hello</servlet-class> </servlet> <servlet-mapping> <servlet-name>hello</servlet-name> <url-pattern>/hello</url-pattern> </servlet-mapping>

**Question 54**

Consider you are developing an ATM application for ABC Bank using

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Finish attempt ...

Time left 1:10:34

**Question 53**

Answer saved

Marked out of 1.00

Flag question

Manoj has created the Hello servlet that displays Welcome in the browser window. The code of the servlet is

```
package myworld;
import java.io.IOException;
import java.io.PrintWriter;
import javax.servlet.ServletException;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;
public class hello extends HttpServlet
{
    protected void doGet(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException
    {
        PrintWriter out = response.getWriter();
        out.println("<html>");
        out.println("<head>");
        out.println("<title>My Servlet</title>");
        out.println("</head>");
        out.println("<body>");
        out.println("<h1>WELCOME</h1>");
        out.println("</body>");
        out.println("</html>");
```

**QUIZ NAVIGATION**

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57	58	59	60			

Finish attempt ...

Time left 1:10:48

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Next

Answer saved

Marked out of 1.00

Flag question

**JavaBeans with JSP?**

Select one:

- a. <jsp:useBean><jsp:setProperty> and <jsp:getProperty>
- b. <jsp:useBean> and <jsp:plugin>
- c. <jsp:useBean> and <jsp:include>
- d. <jsp:setProperty> <jsp:getProperty> and <jsp:forward>

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Finish attempt ...

Time left 1:11:34

**Question 52**

Answer saved

Marked out of 1.00

Flag question

Select two runtime exceptions.

(Choose Two)

Select one or more:

- a. FileNotFoundException
- b. IOException
- c. NullPointerException
- d. ArrayIndexOutOfBoundsException
- e. SQLException

Previous

Next

Answer saved  
Marked out of 1.00  
 Remove flag

`var orderedCustomers = from customer in Customers where  
customer.Grade == "Premium" orderby customer.Name select  
customer.Name;`

Select one or more:

- a. The following code shows the syntax for Ordering data
- b. The following code is an example of LINQ query
- c. The following code is an example of Database query
- d. The following code shows the syntax for Filtering data

**Question 50**

Answer saved  
Marked out of 1.00  
 Flag question

Which statements about JDBC are true?

Select one or more:

- a. JDBC has 5 types of Drivers
- b. JDBC is an API to access relational databases, spreadsheets and flat files
- c. JDBC stands for Java DataBase Connectivity
- d. JDBC is an API to bridge the object-relational mismatch between OO programs and relational databases

**QUIZ NAVIGATION**

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Finish attempt ...

Time left 1:13:38

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**Question 48**

Answer saved  
Marked out of 1.00  
 Flag question

JAXP Stands for:

Select one:

- a. Java API for XML Processing
- b. Java API eXtensive processing
- c. Java API eXtensible Processing
- d. None of the listed options

**QUIZ NAVIGATION**

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57	58	59	60			

Finish attempt ...

Time left 1:13:44

**Question 49**

Answer saved  
Marked out of 1.00  
 Remove flag

What does the following code denote?

```
var orderedCustomers = from customer in Customers where  
customer.Grade == "Premium" orderby customer.Name select  
customer.Name;
```

Select one or more:

- a. The following code shows the syntax for Ordering data
- b. The following code is an example of LINQ query
- c. The following code is an example of Database query
- d. The following code shows the syntax for Filtering data

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Next

**Question 46**

Answer saved

Marked out of 1.00

Flag question

Given that URL-rewriting must be used for session management, identify the query string attribute used when URL-rewriting.

Select one:

- a. sessionid
- b. containerid
- c. servletid
- d. sessionid

**Question 47**

Answer saved

Marked out of 1.00

Flag question

Consider Vijay is developing a web application. Which method he can use to get a collection of elements of same type (for example paragraph tags) in Java Script?

Select one:

- a. getElementById()
- b. getElementByName()
- c. None of the listed options
- d. getElementsByTagName()

**QUIZ NAVIGATION**

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Finish attempt ...

Time left 1:13:57

[Previous](#)[Next](#)**Question 45**

Answer saved

Marked out of 1.00

Flag question

Consider you are maintaining ABC company database. ABC company database tables are accessed by 1000 users initially when it was designed from last two years there was tremendous increase in number records count also number of users who are accessing the database tables to fetch results. Users of ABC company database are reporting problem that query processing is taking more time when they execute query against the database tables. What will the right solution you will suggest in such scenarios in order to increase database query performance?

Select one:

- a. Create index
- b. Create Function
- c. Create Trigger
- d. Create Stored Procedure

**QUIZ NAVIGATION**

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50	51	52	53	54	55	56
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Finish attempt ...

Time left 1:14:07

**Question 46**

Answer saved

Marked out of 1.00

Flag question

Given that URL-rewriting must be used for session management, identify the query string attribute used when URL-rewriting.

Select one:

- a. sessionid
- b. containerid
- c. servletid
- d. sessionid

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**Question 43**

Answer saved

Marked out of 1.00

Flag question

How does SOAP enable creation &amp; usage of Web services?

Select one or more:

- a. Enables messaging over HTTP
- b. Uses standard means of describing data
- c. Uses proprietary means of describing data
- d. Provides a robust mechanism to send data & structure over the web

**Question 44**

Answer saved

Marked out of 1.00

Flag question

What are the benefits of using a stored procedure?

Select one or more:

- a. Efficient compilation
- b. Reduced network traffic
- c. Efficient reuse of code
- d. Precompiled execution, hence faster
- e. The procedure can reside outside the SQL Server instance, hence manageable

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Finish attempt ...

Time left 1:14:17

**Question 41**

Answer saved

Marked out of 1.00

Flag question

Which object of JSP holds reference to javax.servlet.http.HttpSession object?

Select one:

- a. PageContext
- b. response
- c. request
- d. session

**Question 42**

Answer saved

Marked out of 1.00

Flag question

Which of the following options can be used by the controller to destroy a session of a web application immediately?

Select one:

- a. By setting the session-timeout parameter in the web.xml file to 1 minute
- b. By using the destroy() method
- c. By using the invalidate() method
- d. By setting the setMaxInactiveInterval() method period to 60 seconds

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Finish attempt ...

Time left 1:14:27

**Question 39**

Answer saved

Marked out of 1.00

Flag question

Which of the following attributes of page directive are invalid?

Select one:

- a. session
- b. language
- c. isELIgnored
- d. isScriptingEnabled

**Question 40**

Answer saved

Marked out of 1.00

Flag question

What is the use of ServletConfig interface?

Select one:

- a. A servlet configuration object used by a servlet container to pass information to a servlet during initialization
- b. All of the listed options
- c. Defines an object to provide client request information to a servlet
- d. The ServletConfig object is contained within the ServletContext object.

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Finish attempt ...

Time left 1:14:46

[Next](#)})  
(Choose Two)

Select one or more:

- a. error
- b. welcome
- c. compilation error
- d. None of the listed options

**Question 39**

Answer saved

Marked out of 1.00

Flag question

Which of the following attributes of page directive are invalid?

Select one:

- a. session
- b. language
- c. isELIgnored
- d. isScriptingEnabled

**Question 40**

Answer saved

What is the use of ServletConfig interface?

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Finish attempt ...

Time left 1:14:53

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d. allowing all the users

**Question 37**  
Answer saved  
Marked out of 1.00  
[Flag question](#)

Which of the following Listener is used to track number of active sessions or users?

Select one:

- a. HttpSessionListener
- b. ServletRequestListener
- c. ServletRequestListener
- d. HttpSessionBindingListener

**Question 38**  
Answer saved  
Marked out of 1.00  
[Flag question](#)

What will be the output for following code?

```
public class Exe3
{
    public static void main(String[] args)
    {
        try
        {
            int i=10;
            int j=i/0;
        }
        return;
    }
}
```

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**QUIZ NAVIGATION**

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Finish attempt ...  
Time left 1:15:02

a. A package is loaded into memory each time it is invoked.

b. You can achieve information hiding by making package constructs private.

c. You can pass parameters to packages.

d. Packages can be nested.

e. The contents of packages can be shared by many applications.

**Question 35**  
Answer saved  
Marked out of 1.00  
[Flag question](#)

Which two statements about packages are true?

Select one or more:

- a. A package is loaded into memory each time it is invoked.
- b. You can achieve information hiding by making package constructs private.
- c. You can pass parameters to packages.
- d. Packages can be nested.
- e. The contents of packages can be shared by many applications.

**Question 36**  
Answer saved  
Marked out of 1.00  
[Flag question](#)

Mention some of the important functions of Servlet Filter.

Select one or more:

- a. None of the listed options
- b. Security Checks
- c. Modifying the request or response
- d. allowing all the users

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**QUIZ NAVIGATION**

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Finish attempt ...  
Time left 1:15:13

- a. Compilation fails.
- b. An exception is thrown at runtime.
- c. The code executes normally and prints "Run".
- d. The code executes normally, but nothing is printed.

**Question 34**

Answer saved

Marked out of 1.00

Flag question

What are the Tools & plug-ins commonly used in testing java application code?

Select one or more:

- a. JUnit
- b. EMMA
- c. ANT
- d. JavaScript

**Question 35**

Answer saved

Marked out of 1.00

Flag question

Which two statements about packages are true?

Select one or more:

- a. A package is loaded into memory each time it is invoked.
- b. You can achieve information hiding by making package

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**QUIZ NAVIGATION**

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[Finish attempt ...](#)

Time left 1:15:21

**Question 33**

Answer saved

Marked out of 1.00

Flag question

```
public class Threads
{
    public static void main (String[] args)
    {
        new Threads().go();
    }
    public void go()
    {
        Runnable r = new Runnable()
        {
            public void run()
            {
                System.out.print("Run");
            }
        };
        Thread t = new Thread(r);
        t.start();
        t.start();
    }
}
```

**QUIZ NAVIGATION**

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29	30	31	32	33	34	35
36	37	38	39	40	41	42
43	44	45	46	47	48	49
50	51	52	53	54	55	56
57	58	59	60			

[Finish attempt ...](#)

Time left 1:15:31

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**Question 32**

Answer saved

Marked out of 1.00

Flag question

What does the following code denote?

```
public class Contact
{
    public string Name { get; set; }
    public string Email { get; set; }
    public string Address { get; set; }
}

class Customer : Contact
{
    public string Gender { get; set; }
    public decimal Income { get; set; }
}
```

Select one:

- a. Overriding
- b. Encapsulation
- c. Inheritance
- d. Overloading

**QUIZ NAVIGATION**

1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31	32	33	34	35
36	37	38	39	40	41	42
43	44	45	46	47	48	49
50	51	52	53	54	55	56
57	58	59	60			

Finish attempt ...

Time left 1:15:42

**Question 33**

public class Threads

[Previous](#)[Next](#)**Question 31**

Answer saved

Marked out of 1.00

Flag question

Which statements are true about large varchar?

Select one or more:

- a. A sql\_variant cannot contain a large varchar data type
- b. Large varchar columns are the only columns that can be used as partitioning key columns
- c. Large varchar columns cannot be used as partitioning key columns
- d. Large varchar columns can be specified as a key column in an index
- e. A sql\_char cannot contain a large varchar data type

**QUIZ NAVIGATION**

1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31	32	33	34	35
36	37	38	39	40	41	42
43	44	45	46	47	48	49
50	51	52	53	54	55	56
57	58	59	60			

Finish attempt ...

Time left 1:15:51

**Question 32**

Answer saved

Marked out of 1.00

Flag question

What does the following code denote?

```
public class Contact
{
    public string Name { get; set; }
    public string Email { get; set; }
    public string Address { get; set; }
}
```

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**Question 30**

Answer saved  
Marked out of 1.00  
[Flag question](#)

```
<pre helloworld attrb="John"/> </h1> </html>
 b. <%@ taglib prefix="pre" uri="testuri" %> <html> <head>
<title>Demo on helloworldCustom tag</title> </head> <h1>
<pre:helloworld/> </h1> </html>
 c. <%@ taglib prefix="pre" uri="testuri" %> <html> <head>
<title>Demo on helloworldCustom tag</title> </head> <h1> <helloworld
"attrb="John"/> </h1> </html>
 d. <%taglib prefix="pre" uri="testuri" %> <html> <head> <title>Demo
on helloworldCustom tag</title> </head> <h1> <pre:helloworld
attrb="John"/> </h1> </html>
```

What is the significance of the @ Register directive in a ASP.NET web page?

Select one:

- a. The directive is used to register an application
- b. The directive is used to register a user control
- c. The directive is used to register a web site
- d. The directive is used to register a web page

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[Flag question](#)

Select one:

- True
- False

**Question 28**

Answer saved  
Marked out of 1.00  
[Flag question](#)

How do you separate ASP.NET code from the user interface?

Select one:

- a. Using User Controls
- b. Using Code-Behind forms
- c. Using ASP.NET web pages
- d. Using Custom Controls

**Question 29**

Answer saved  
Marked out of 1.00  
[Flag question](#)

```
<?xml version="1.0" encoding="UTF-8"?>
<taglib xmlns="http://java.sun.com/xml/ns/j2ee"
  xmlns xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:schemaLocation="http://java.sun.com/xml/ns/j2ee/web-
  jsp/taglibrary_2_0.xsd" version="2.0">
<lib-version>2.0</lib-version>
<short-name>SimpleTagForLearning</short-name>
```

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QUIZ NAVIGATION

1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31	32	33	34	35
36	37	38	39	40	41	42
43	44	45	46	47	48	49
50	51	52	53	54	55	56
57	58	59	60			

[Finish attempt ...](#)

Time left 1:16:10

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Flag question

Select one:

True  
 False

**Question 28**  
 Answer saved  
 Marked out of 1.00  
 Flag question

How do you separate ASP.NET code from the user interface?

Select one:

a. Using User Controls  
 b. Using Code-Behind forms  
 c. Using ASP.NET web pages  
 d. Using Custom Controls

**Question 29**  
 Answer saved  
 Marked out of 1.00  
 Flag question

```
<?xml version="1.0" encoding="UTF-8"?>
<taglib xmlns="http://java.sun.com/xml/ns/j2ee"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:schemaLocation="http://java.sun.com/xml/ns/j2ee/web-
  jsp/taglibrary_2_0.xsd" version="2.0">
<tlib-version>2.0</tlib-version>
<short-name>SimpleTagForLearning</short-name>
```

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**QUIZ NAVIGATION**

1	2	3	4	5	6	7
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29	30	31	32	33	34	35
36	37	38	39	40	41	42
43	44	45	46	47	48	49
50	51	52	53	54	55	56
57	58	59	60			

Finish attempt ...  
 Time left 1:16:27

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Select one:

a. By programming filters  
 b. By implementing the Listeners  
 c. By creating security constraints  
 d. By modifying the web deployment descriptor

**Question 26**  
 Answer saved  
 Marked out of 1.00  
 Flag question

Which of the following assemblies can be stored in Global Assembly Cache?

Select one:

a. Friend Assemblies  
 b. Public Assemblies  
 c. Shared Assemblies  
 d. Private Assemblies

**Question 27**  
 Answer saved  
 Marked out of 1.00

Culture & UICulture properties of a page class can have different culture values.  
 State True or False.

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**QUIZ NAVIGATION**

1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31	32	33	34	35
36	37	38	39	40	41	42
43	44	45	46	47	48	49
50	51	52	53	54	55	56
57	58	59	60			

Finish attempt ...  
 Time left 1:16:36

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**Question 24**

Answer saved  
Marked out of 1.00  
 Flag question

Which of the following statements are correct?

Select one or more:

a. All objects created from a class will occupy equal number of bytes in memory.

b. A class is a blueprint or a template according to which objects are created.

c. Instance members of a class can be accessed only through an object of that class.

d. A class can contain only instance data and instance member function.

**Question 25**

Answer saved  
Marked out of 1.00  
 Flag question

Ronald has observed that his Web application has some HTML tags or features that all the Web browsers do not support. If the client's browser does not support the application may or may not run or may generate undesired output in the Web browser of the client. Therefore Ronald wants to identify the type of browser and other specific information about the client that sends the request to the Web application before invoking the servlet. Which of the following options will help Ronald provide this functionality?

QUIZ NAVIGATION

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22	23	24	25	26	27	28
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36	37	38	39	40	41	42
43	44	45	46	47	48	49
50	51	52	53	54	55	56
57	58	59	60			

Finish attempt ...  
Time left 1:16:45

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**Question 23**

Answer saved  
Marked out of 1.00  
 Flag question

Which complex type specifies that the elements should always be in the order specified?

Select one:

a. <xs:complexType name="CountryInfo"><xs:choice> <xs:element name="countryName" type="xs:string"/> <xs:element name="states" type="xs:integer"/></xs:choice></xs:complexType>

b. <xs:complexType name="CountryInfo"><xs:all> <xs:element name="countryName" type="xs:string"/> <xs:element name="states" type="xs:integer"/></xs:all></xs:complexType>

c. None of the listed options

d. <xs:complexType name="CountryInfo"><xs:sequence> <xs:element name="countryName" type="xs:string"/> <xs:element name="states" type="xs:integer"/></xs:sequence></xs:complexType>

**Question 24**

Answer saved  
Marked out of 1.00  
 Flag question

Which of the following statements are correct?

Select one or more:

a. All objects created from a class will occupy equal number of bytes in memory.

**QUIZ NAVIGATION**

1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31	32	33	34	35
36	37	38	39	40	41	42
43	44	45	46	47	48	49
50	51	52	53	54	55	56
57	58	59	60			

Finish attempt ...  
Time left 1:16:53

**Question 21**

Answer saved

Marked out of 1.00

Flag question

Consider you are developing shopping cart application you have to store details of items purchased by each customer in intermediate memory before storing purchase details in actual database permanently note that number of different items purchased by customer is not definite it may vary. How do you implement given requirement using java considering best performance of the application?

Select one:

- a. None of the listed options
- b. Implement using Collection API's.
- c. Implement using Arrays
- d. Implement using file API's

**Question 22**

Answer saved

Marked out of 1.00

Flag question

Select correct naming convention used during class declaration.

Select one or more:

- a. Class name can be java valid keyword.
- b. Class name starts with lower case.
- c. Should be simple & descriptive
- d. Class name should be nouns

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- a. Line 5 is invalid
- b. Line 4 is invalid
- c. Line 6 is invalid
- d. It will compile successfully and print 48

**Question 20**

Answer saved

Marked out of 1.00

Flag question

What will be the output for following code?

```
public class CompareStrings{
    public static void main(String[] args){
        if(" string ".trim() == "string")
            System.out.println("both strings are equal");
        else
            System.out.println("both strings are not equal");
    }
}
```

Select one:

- a. Strings cannot be compare using == operator
- b. compilation error
- c. both strings are not equal
- d. both strings are equal

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1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31	32	33	34	35
36	37	38	39	40	41	42
43	44	45	46	47	48	49
50	51	52	53	54	55	56
57	58	59	60			

Finish attempt ...

Time left 1:17:06

1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31	32	33	34	35
36	37	38	39	40	41	42
43	44	45	46	47	48	49
50	51	52	53	54	55	56
57	58	59	60			

Finish attempt ...

Time left 1:17:33

**Question 18**

Answer saved

Marked out of 1.00

Flag question

Which of the following statements are correct?

Select one or more:

- a. Argument that uses params keyword must be the last argument of variable argument list of a method.
- b. Pass by reference eliminates the overhead of copying large data items.
- c. An argument passed to a ref parameter need not be initialized first
- d. Variable passed as out arguments need to be initialized prior to being passed

1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31	32	33	34	35
36	37	38	39	40	41	42
43	44	45	46	47	48	49
50	51	52	53	54	55	56
57	58	59	60			

Finish attempt ...

Time left 1:17:43

**Question 19**

Answer saved

Marked out of 1.00

Flag question

Consider the following code with line number given below:

Line 4: &lt;%! int a=6; %&gt;

Line 5: &lt;% int b=8; %&gt;

Line 6: Result is &lt;%= a\*b; %&gt;

Which of the following are true with respect to the above code segment?

[Previous](#)[Next](#) a. Compilation error**Question 17**

Answer saved

Marked out of 1.00

Flag question

Which of the following statements are true?

Statement A : Arrays have a fixed upper bound, but nested tables are unbounded

Statement B : Second, arrays must have consecutive subscripts and nested tables are dense, but they can be sparse (have non-consecutive subscripts).

Select one:

- a. Both statements A and B are False.
- b. Both statements A and B are True.
- c. Statement A is True and B is False.
- d. Statement A is false and B is True.

1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31	32	33	34	35
36	37	38	39	40	41	42
43	44	45	46	47	48	49
50	51	52	53	54	55	56
57	58	59	60			

Finish attempt ...

Time left 1:17:53

**Question 18**

Answer saved

Marked out of 1.00

Flag question

Which of the following statements are correct?

Select one or more:

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**Question 15**

Answer saved

Marked out of 1.00

Flag question

What does the LOCAL argument in the DECLARE CURSOR statement denote?

Select one or more:

- a. Specifies that cursor can be available only in the batch, stored procedure, or trigger in which the cursor was created
- b. Specifies that cursor can be available to all local resources
- c. The LOCAL cursor will have to be explicitly deallocated when the batch, stored procedure, or trigger terminates
- d. The LOCAL cursor will be implicitly deallocated when the batch, stored procedure, or trigger terminates

1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31	32	33	34	35
36	37	38	39	40	41	42
43	44	45	46	47	48	49
50	51	52	53	54	55	56
57	58	59	60			

Finish attempt ...

Time left 1:18:03

**Question 16**

Answer saved

Marked out of 1.00

Flag question

The result of  $10.987 + "30.765"$  is \_\_\_\_\_

Select one:

- a. 10.98730.765
- b. 10.987
- c. 10.9873.765

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```
public void display()
{
    System.out.println("sub class display method");
}

public static void main(String [] args)
{
    InheritMethod o=new InheritMethod();

    o.exe();
}

}
```

Select one:

- a. super class exe method sub class display method
- b. super class exe method super class display method
- c. None of the listed options
- d. compilation error

1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31	32	33	34	35
36	37	38	39	40	41	42
43	44	45	46	47	48	49
50	51	52	53	54	55	56
57	58	59	60			

Finish attempt ...

Time left 1:18:17

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- Select one:
- a. 97
  - b. a
  - c. None of the listed options
  - d. compilation error

**Question 14**

Answer saved

Marked out of 1.00

Flag question

What will be the output of following code?

```
class Super2
{
    public void display()
    {
        System.out.println("super class display method");
    }

    public void exe()
    {

        System.out.println("super class exe method");

        display();
    }
}
```

**QUIZ NAVIGATION**

1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31	32	33	34	35
36	37	38	39	40	41	42
43	44	45	46	47	48	49
50	51	52	53	54	55	56
57	58	59	60			

Finish attempt ...

Time left 1:18:45

**Question 12**

Answer saved

Marked out of 1.00

Flag question

Which method can be used to submit form data that should not be exposed for viewing?

- Select one:
- a. GET
  - b. POST
  - c. PUT
  - d. REQUEST

**Question 13**

Answer saved

Marked out of 1.00

Flag question

What will be the output for following code?

```
public class VariableDec1
{
    public static void main(String[] args)
    {
        int l=32;
        char c=65;
        char a=c+l;
        System.out.println(a);
    }
}
```

**QUIZ NAVIGATION**

1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31	32	33	34	35
36	37	38	39	40	41	42
43	44	45	46	47	48	49
50	51	52	53	54	55	56
57	58	59	60			

Finish attempt ...

Time left 1:18:55

**Question 11**

Answer saved

Marked out of 1.00

Flag question

Gen has written a JSP code in which he is calling the getMessage() function which is returning a value "hello world". You have to identify which code should he use to get this?

Select one:

- a. <html> <% String message="hello world"; String getMessage() { return message; } %> Message for you:<%= getMessage() %> </html>
- b. <html> <%! String message="hello world"; String getMessage() { return message; } %> Message for you:<%= getMessage() %> </html>
- c. <html> <%= String message="hello world"; String getMessage() { return message; } %> Message for you:<%= getMessage() %> </html>
- d. <html> <%! String message="hello world"; String getMessage() { return message; } %> Message for you:<%! getMessage() %> </html>

**Question 12**

Answer saved

Marked out of 1.00

Flag question

Which method can be used to submit form data that should not be exposed for viewing?

Select one:

- a. GET
- b. POST

**Question 9**

Answer saved

Marked out of 1.00

Flag question

During translation the scriptlet code is copied inside:

Select one:

- a. Scriptlet code gets no place in the generated servlet
- b. The doGet() method of generated servlet
- c. The init method of the generated servlet
- d. The service method of generated servlet

**Question 10**

Answer saved

Marked out of 1.00

Flag question

Code to get the value of "address" request parameter is:

Select one:

- a. \${request address}
- b. \${Values.address}
- c. \${param.address}

**QUIZ NAVIGATION**

1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31	32	33	34	35
36	37	38	39	40	41	42
43	44	45	46	47	48	49
50	51	52	53	54	55	56
57	58	59	60			

Finish attempt ...

Time left 1:19:06

15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31	32	33	34	35
36	37	38	39	40	41	42
43	44	45	46	47	48	49
50	51	52	53	54	55	56
57	58	59	60			

Finish attempt ...

Time left 1:19:21

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Select one:

- a. It will output: Index out of bounds Remaining program
- b. It will output: Bad Format
- c. It will output: Bad Format Remaining program
- d. It will output: Remaining program

**Question 8**

Answer saved

Marked out of 1.00

Flag question

Identify the code snippet

```
declare EmpNAME;
begin
SELECT ENAME INTO EmpNAME FROM Emp WHERE EmpNo=101172;
dbms_output.put_line(EmpName);
end;
```

What will be the output of the above code?

15 16 17 18 19 20 21

22 23 24 25 26 27 28

29 30 31 32 33 34 35

36 37 38 39 40 41 42

43 44 45 46 47 48 49

50 51 52 53 54 55 56

57 58 59 60

Finish attempt ...

Time left 1:19:34

Next

**Question 7**

Answer saved

Marked out of 1.00

Flag question

Which of the following statements is correct about the C#.NET program given below if a value "6" is input to it? using System;  
namespace IndiabixConsoleApplication

```
{
class MyProgram
{
static void Main(string[] args)
{
int index;
int val = 44;
int[] a = new int[5];
try
{
Console.Write("Enter a number:");
index = Convert.ToInt32(Console.ReadLine());
a[index] = val;
}
catch(FormatException e)
```

15 16 17 18 19 20 21

22 23 24 25 26 27 28

29 30 31 32 33 34 35

36 37 38 39 40 41 42

43 44 45 46 47 48 49

50 51 52 53 54 55 56

57 58 59 60

Finish attempt ...

Time left 1:19:51

Next

**Question 5**

Answer saved

Marked out of 1.00

Flag question

Iterator is having previous() method.  
State True or False.

Select one:

- True
- False

15 16 17 18 19 20 21

22 23 24 25 26 27 28

29 30 31 32 33 34 35

36 37 38 39 40 41 42

43 44 45 46 47 48 49

50 51 52 53 54 55 56

57 58 59 60

Finish attempt ...

Time left 1:20:19

Next

**Question 6**

Answer saved

Marked out of 1.00

Flag question

InputStream is the class used for stream of characters.  
State True or False.

Select one:

- True
- False

15 16 17 18 19 20 21

22 23 24 25 26 27 28

29 30 31 32 33 34 35

36 37 38 39 40 41 42

43 44 45 46 47 48 49

50 51 52 53 54 55 56

57 58 59 60

Finish attempt ...

Time left 1:20:39

**Question 4**

Answer saved

Marked out of 1.00

Flag question

```
<pref:tag1>
<%= result %>
</pref:tag1>
```

Which of the following are valid for the &lt;body-content&gt; tag of tag1?

Select one:

- a. tag dependant
- b. scriptless
- c. JSP
- d. empty

**Question 5**

Answer saved

Iterator is having previous() method.  
State True or False.

Next

**Question 2**

Answer saved

Marked out of 1.00

Flag question

Which of the following statements is incorrect about a delegate?

Select one:

- a. Delegates are type-safe wrappers for function pointers.
- b. Delegates can be shared.
- c. Delegate is a value type.
- d. A single delegate can invoke more than one method.

**Question 3**

Answer saved

Marked out of 1.00

Flag question

What is the data type of m in the following code?

```
import java.util.*;
public class set1
{
    public static void main(String [] args)
    {
        Set s=new HashSet();
        s.add(20);
        s.add("abc");
        for( _____ m:s)
            System.out.println(m);
    }
}
```

**QUIZ NAVIGATION**

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15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31	32	33	34	35
36	37	38	39	40	41	42
43	44	45	46	47	48	49
50	51	52	53	54	55	56
57	58	59	60			

Finish attempt ...

Time left 1:21:04

Next

**Question 1**

Answer saved

Marked out of 1.00

Flag question

```
interface B
{
    public void bM1();
    public void bM2();
}
abstract class A implements B
{
    public abstract void aM1();
    public abstract void aM2();
    public void bM1(){}
}
public class Demo extends A
{
}
```

In above scenario class Demo must override which methods?

Select one:

- a. public void aM2()
- b. public void bM2()
- c. All of the listed options
- d. public void aM1()

**QUIZ NAVIGATION**

1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31	32	33	34	35
36	37	38	39	40	41	42
43	44	45	46	47	48	49
50	51	52	53	54	55	56
57	58	59	60			

Finish attempt ...

Time left 1:21:41

Next

+++++  
+++

++++++Ans 1:+++

1. All

2. Delegate is a value type

3. Object

4. Scriptless

5. False

6. False

7. Index out of bounds remaining program

8. Prints the enamel of employ 101172

9. Service method of generated servlet

10. \${param.address}

\*\*11.b

12. Post

13. Compilation error

14. Compilation error

15. A,d

16. A

17. B

18. A, b

19. C

20. C

21. B

22. C, d

23. D

24. A, b, c

25. A

26. C

27. False

28. B

29. <%@ table prefix="pre" Uri="texture"%>

```
<Html>  
<Head> <title> Demo </title>  
</head>  
<pre: helloworld atria="john"/>  
</html>
```

30. B

31. A, c

32. C

33. B

34. A, b

35. B, e

36. B, c

37. A

38. C

39. D

40. B

41. D

42. C

43. A, b, d

44. Bcc'd

45. D

46. A

47. D

48. A

49. A, b, d

50. B, c, d

51. A

52. C, d

53. A

54. A

55. A, d/ (bud)

56. A

57. E

58. A

59. B

60. C

**Question 60**

Not yet answered

Marked out of 1.00

 Flag question

XYZ Company database tables are accessed by several users but few users want to do p operation on databases tables based on business requirement. What will the right solution scenario?

Select one:

- a. Use Views
- b. Use database Trigger
- c. Use database Indexes
- d. Use Cursors



**Question 58**

Not yet answered

Marked out of 1.00

 Flag question

How to divide the page into two rows when we are using frameset?

Select one:

- a. By using rows=50%,50% 
- b. By using cols=50%,50%
- c. By using rowspan
- d. By using colspan

**Question 56**

Not yet answered

Marked out of 1.00

Flag question

When one method is overridden in sub class the access specifier of the method in sub class is same as super class.

State True or False.

Select one:

 True  False**Question 57**

Not yet answered

Marked out of 1.00

Flag question

Which two statements are true?

Select one or more:

- a. Deadlocked threads release once their sleep() method's sleep duration has expired.
- b. If a piece of code is capable of deadlock, you cannot eliminate the possibility of deadlock by invocations of Thread.yield().
- c. It is possible for more than two threads to deadlock at once.
- d. The JVM implementation guarantees that multiple threads cannot enter into a deadlock.

**Question 54**

Not yet answered

Marked out of 1.00

Flag question

Select the advantages of using coding conventions in java application development.

Select one:

- a. Improves Easy understanding
- b. All of the listed options
- c. Improves Easy Maintenance
- d. Improves Readability of the software

**Question 55**

Not yet answered

Marked out of 1.00

Flag question

Which attribute of the page directive indicates that the JSP engine can handle more than one value is set to true?

Select one:

- a. extends
- b. IsThreadSafe
- c. autoflush
- d. Info

**Question 52**

Not yet answered

Marked out of 1.00

Flag question

A Web application developed for an institution requires insertion of a header file comprising of logo and institution name. Identify the correct JSP tag from the options given below to add the logo and institution name to the application.

Select one:

- a. <jsp:forward page="Header.html">
- b. <form method="post" action="Header.html">
- c. <%@ include file="Header.html" %>
- d. <% page import="Header.html" %>

**Question 51**

Not yet answered

Marked out of 1.00

Flag question

Which of the following statements are true?

Statement A: Index by Table is Also known as associative arrays. It lets you to look up elements and strings for subscript values.

Statement B: Nested tables hold an arbitrary number of elements. They use sequential numbers as subscripts.

Select one:

- a. Statement A is True and B is False.
- b. Both statements A and B are True.
- c. Both statements A and B are False. ✓
- d. Statement A is false and B is True.

**Question 50**

Not yet answered

Marked out of 1.00

Flag question

```
SELECT e.EMPLOYEE_ID,e.LAST_NAME,e.DEPARTMENT_ID, d.DEPARTMENT_NAME  
FROM EMP e, DEPARTMENT d  
WHERE e.DEPARTMENT_ID = d.DEPARTMENT_ID;
```

In the statement, which capabilities of a SELECT statement are performed?

Select one:

- a. Intersection, Projection, Join
- b. Selection, Intersection, Join
- c. Selection, Projection, Join ✓
- d. Difference, Projection, Join

**Question 49**

Not yet answered

Marked out of 1.00

Flag question

```
public class MethodSigExample
{
    public int test(String s, int i)
    {
        int x = i + s.length();
        return x;
    }
}
```

During refactoring method signature can be changed using the option:

Select one:

- a. Refactor > Change Method Signature
  - b. Refactor > move
  - c. Refactor > Extract method
  - d. Refactor > move Method
- 

**Question 48**

Not yet answered

Marked out of 1.00

Flag question

As per Java Class names should be nouns, in mixed case with the first letter of each internal word capitalized.

Try to keep your class names simple and descriptive.

State True or False.

Select one:

- True
  - False
- 

**Question 46**

Not yet answered

Marked out of 1.00

Flag question

Which method removes the attribute with the given name from the ServletContext interface?

Select one:

- a. void removeAttribute(String name)
- b. void flushAttribute(String name)
- c. void clearAttribute(String name)
- d. void removeAttribute(Object name)

**Question 47**

Answer saved

Marked out of 1.00

Flag question

Try can be followed with either catch or finally.

State True or False.

Select one:

- True
- False

**Question 44**

Not yet answered

Marked out of 1.00

Flag question

How to drop all tables from recycle bin?

Select one:

- a. Cannot drop tables from Recycle Bin
- b. PURGE DBA\_RECYLEBIN
- c. DROP DBA\_RECYLEBIN
- d. DROP ALL\_TABLE\_RECYLEBIN
- e. PURGE RECYLEBIN

**Question 45**

Not yet answered

Marked out of 1.00

Flag question

TagSupport and BodyTagSupport classes are present in which package?

Select one:

- a. javax.servlet.jsp.tagext
- b. java.servlet.jsp.tagext
- c. javax.servlet.jsp.tagext
- d. javax.servlet.jsp.tag

JSP will have javax



**Question 42**

Not yet answered

Marked out of 1.00

Flag question

InputStream is the class used for stream of characters.

State True or False.

Select one:

- True
- False

**Question 43**

Not yet answered

Marked out of 1.00

Flag question

XYZ company database has SALES table which captures all department sales information. To generate department wise summarized total sales report from SALES table. Which of the following could be used to generate meaningful full result?

Select one:

- a. Use Aggregate function along with GROUP BY clause in query to retrieve result
- b. Use Aggregate function along with ORDER BY clause in query to retrieve result
- c. None of the listed options
- d. Use Aggregate function along with WHERE clause in query to retrieve result

**Question 41**

Not yet answered

Marked out of 1.00

Flag question

You are developing a trigger which should ensure that no negative value is inserted in employee

have created a trigger as follows

```
create or replace trigger AgeVerify
```

```
before insert
```

```
on employee for each row
```

```
when(new.EmpAge < 0)
```

```
begin
```

```
RAISE_APPLICATION_ERROR(-20000, 'no negative age allowed');
```

```
end;
```

```
/
```

Identify error if any in the above trigger and give the solution.

Select one:

- a. Replacing RAISE\_APPLICATION\_ERROR(-20000, 'no negative age allowed'); to RAISE 20000,"no negative age allowed"); will give the desired output ✓
- b. Replacing RAISE\_APPLICATION\_ERROR(-20000, 'no negative age allowed'); to RAISE 20000,"no negative age allowed"); will give the desired output
- c. Replacing RAISE\_APPLICATION\_ERROR(-20000, 'no negative age allowed'); to RAISE 20000, 'no negative age allowed'); will give the desired output
- d. No problem in the trigger. It gives the desired result
- e. The order of Arguments passed to RAISE\_APPLICATION\_ERROR is wrong

**Question 40**

Not yet answered

Marked out of 1.00

Flag question

How can you force garbage collection of an object?

1. Garbage collection cannot be forced
2. Call System.gc().
3. Call Runtime.gc().
4. Set all references to the object to new values(null, for example).

Select one:

- a. 1
- b. 4
- c. 2
- d. 3 ✓

**Question 39**

Not yet answered

Marked out of 1.00

Flag question

Which parser reads small chunk of document at a time,parses it, generate an events and then process the document

Select one:

- a. SAX ✓
- b. None of the listed options
- c. XML
- d. DOM

**Question 37**

Not yet answered

Marked out of 1.00

Flag question

Select the benefits of versioning the software in java application development.

Select one or more:

- a. Formatting ✓
- b. WinZIP ✓
- c. Backup and Restore ✓
- d. Branching and merging
- e. Synchronization ✓

**Question 38**

Not yet answered

Marked out of 1.00

Flag question

Which complex type signifies that only one of the child elements can appear?

Select one:

- a. None of the listed options
- b. <xs:complexType name="CountryInfo"><xs:all> <xs:element name="countryName" type="name="states" type="xs:integer"/></xs:all></xs:complexType>
- c. <xs:complexType name="CountryInfo"><xs:sequence> <xs:element name="countryName" type="name="states" type="xs:integer"/></xs:sequence></xs:complexType> ✓
- d. <xs:complexType name="CountryInfo"><xs:choice> <xs:element name="countryName" type="name="states" type="xs:integer"/></xs:choice></xs:complexType>

**Question 36**

Not yet answered

Marked out of 1.00

Flag question

Consider you are developing a JDBC application, where you have to retrieve Employee table columns name, columns field length and data type etc. Which API you will use to retrieve table information?

Select one:

- a. DataSource
- b. ResultSetMetaData
- c. ResultSet ✓
- d. Statement

**Question 35**

Not yet answered

Marked out of 1.00

Flag question

What will be the output for following code?

```
public class While {  
    static int i;  
    public static void main(String[] args){  
        System.out.println(i);  
        while(i<=5){  
            i++;  
        }  
        System.out.println(i);  
    }  
}
```

Select one:

- a. 0,6
- b. 6,0
- c. compilation error ✓
- d. 0,5

**Question 34**

Answer saved

Marked out of 1.00

Flag question

```
<pref:tag1>  
  <%= result %>  
</pref:tag1>
```

Which of the following are valid for the <body-content> tag of tag1?

Select one:

- a. JSP
- b. scriptless
- c. tag dependant
- d. empty

**Question 32**

Not yet answered

Marked out of 1.00

Flag question

Which statement creates DocumentBuilderFactory instance?

Select one:

- a. DocumentBuilderFactory f=new DocumentBuilderFactory();
- b. DocumentBuilderFactory f= BuilderFactory.newInstance();
- c. DocumentBuilderFactory f=DocumentBuilderFactory.newInstance();
- d. None of the listed options

**Question 33**

Not yet answered

Marked out of 1.00

Flag question

Which of the following is the deployment descriptor file of a web application? Assuming that the application is BankApp.

Select one:

- a. BankApp.xml
- b. WebApp.xml
- c. web.xml
- d. deployment.xml

**Question 31**

Not yet answered

Marked out of 1.00

Flag question

What will be the output of the following Java Script code when the button is clicked?

```
<body>
<script type="text/javascript">
function displayMessage(){
document.write("Displaying message by using javaScript");
}
</script>
<button type="button" onclick="DISPLAYMESSAGE()">Display Message</button>
</body>
```

Select one:

- a. None of the listed options
- b. It will display some error message on browser
- c. It will not print the message
- d. It will print the message "Displaying message by using javaScript"

**Question 30**

Not yet answered

Marked out of 1.00

Flag question

What is the correct syntax of the declaration which defines the XML version?

Select one:

- a. <?xml version="1.0"?>
- b. <xml version="1.0" />
- c. None of the listed options
- d. <?xml version="1.0" />

**Question 29**

Not yet answered

Marked out of 1.00

Flag question

What will be the output of the below query?

```
select instr('My SQL World','a') from dual;
```

Select one:

- a. Prints 14
- b. Prints -1
- c. Prints 6
- d. Prints 0 ✓
- e. Query contains error

**Question 27**

Not yet answered

Marked out of 1.00

Flag question

Which of the following code line will destroy a session?

Select one:

- a. session.isNew(false)
- b. session.isAlive = false;
- c. session.removeSession()
- d. session.invalidate() ✓

**Question 25**

Not yet answered

Marked out of 1.00

Flag question

Which of the following options represents the presentation logic to provide the data of pattern?

Select one:

- a. View
- b. Model
- c. Controller
- d. Connector

**Question 26**

Not yet answered

Marked out of 1.00

Flag question

In Thread implementation making method synchronized is always better in order to inc than using synchronize block to synchronize certain block of statements written in java

State True or False.

Select one:

- True
- False

**Question 24**

Not yet answered

Marked out of 1.00

Flag question

XYZ company database has Customer personal information View table using which customer information like address, phone number fields when user updates address and phone number to take care of updating address and phone number fields in underlying database base table solution do you suggest to implement this requirement?

Select one:

- a. Implement using triggers
- b. Implement using Stored Procedures
- c. Implement using Cursors
- d. Implement using functions

**Question 23**

Not yet answered

Marked out of 1.00

Flag question

In which of these following getAttribute() and setAttribute() method has defined?

Select one or more:

- a. HttpSession
- b. ServletResponse
- c. HttpListener
- d. ServletRequest

**Question 21**

Not yet answered

Marked out of 1.00

Flag question

Consider you are developing shopping cart application you have to store details of items purchased by customer in intermediate memory before storing purchase details in actual database permanently note purchased by customer is not definite it may vary. How do you implement given requirement without affecting performance of the application?

Select one:

- a. None of the listed options
- b. Implement using file API's
- c. Implement using Collection API's.
- d. Implement using Arrays

**Question 22**

Answer saved

Marked out of 1.00

Flag question

What is the use of attributes in HTML tags?

Select one:

- a. Attribute is a type of tag
- b. None of the listed options
- c. Provides additional behaviour to the tag
- d. Which represents the content to be displayed in the page

**Question 20**

Not yet answered

Marked out of 1.00

Flag question

A filter configuration object used by a servlet container to pass information to a filter during initialization. State True or False.

Select one:

- True
- False

**Question 19**

Not yet answered

Marked out of 1.00

Flag question

Given a Filter class definition with this method:

```
21. public void doFilter(ServletRequest request,  
22. ServletResponse response,  
23. FilterChain chain)  
24. throws ServletException, IOException {  
25. // insert code here  
26. }
```

Which should you insert at line 25 to properly invoke the next filter in the chain, or the target there are no more filters?

Select one:

- a. request.forward(request, response);
- b. request.doFilter(request, response);
- c. chain.doFilter(request, response);
- d. chain.forward(request, response);

**Question 18**

Not yet answered

Marked out of 1.00

Flag question

What will be the output of following code?

```
try  
{  
    System.out.println("Executing try");  
}  
System.out.println("After try");  
catch (Exception ex)  
{  
    System.out.println("Executing catch");  
}
```

Select one:

- a. Executing try Runtime Exception
- b. Runtime Exception
- c. Executing try After try Executing catch
- d. Compile Time Exception



**Question 17**

Not yet answered

Marked out of 1.00

Flag question

What will be the output for following code?

```
import java.util.*;
public class StringTokenizer
{
    public static void main(String[]args)
    {
        String s="India is a\n developing country";
        StringTokenizer o=new StringTokenizer(s);
        System.out.println(o.countTokens());
    }
}
```

Select one:

- a. None of the listed options
- b. 5 ✓
- c. 4
- d. 6

**Question 16**

Not yet answered

Marked out of 1.00

Flag question

Under which two circumstances do you design database triggers?

Select one or more:

- a. To guarantee that when a specific operation is performed, related actions are performed.
- b. For centralized, global operations that should be fired for the triggering statement, regardless of where the application issues the statement. ✓
- c. To replicate built-in constraints in the Oracle server such as primary key and foreign key constraints.
- d. To duplicate the functionality of other triggers.

**Question 14**

Not yet answered

Marked out of 1.00

Flag question

Which of the following is not an attribute of meta tag?

Select one:

- a. name
- b. value ✓
- c. http-equiv
- d. content

**Question 15**

Not yet answered

Marked out of 1.00

Flag question

Which of the following variable represents the uncaught throwable object that resulted from a

Select one:

- a. Exception ✓
- b. Request
- c. Application
- d. Config

**Question 11**

Not yet answered

Marked out of 1.00

Flag question

Consider Vijay is developing web page using HTML.Which method he can use for sending data while submitting the form?

I: POST

II: GET

Select one:

- a. II
- b. Both I & II
- c. None of the listed options
- d. I

**Question 12**

Not yet answered

Marked out of 1.00

Flag question

Whenever a request goes from the client to the server some additional information other than the server. This additional information is in the form of a \_\_\_\_\_.

Select one:

- a. Application ID
- b. Session ID
- c. header
- d. footer

**Question 10**

Not yet answered

Marked out of 1.00

Flag question

What will be the output of the following code snippet?

```
<% page language="java"%>
<html>
<head></head>
<body>
<%java.util.Date now=new java.util.Date(); %>
<H1><%= now.getHours()%><%=now.getMinutes()%><%=now.getSeconds()%></H1>
</body>
</html>
```

Select one:

- a. It will display the date and time.
- b. It will display the date as mm:dd:yy.
- c. It will display the current time as hh:mm:ss.
- d. It will display time as hh/mm/ss.

**Question 9**

Not yet answered

Marked out of 1.00

Flag question

"Variables in Java Script should be declared with data types".

State True or False.

Select one:

- True
- False

**Question 7**

Not yet answered

Marked out of 1.00

Flag question

When comparable interface is used which method should be overrided?

Select one:

- a. compareTo
- b. comparator
- c. compareWith
- d. compare

**Question 8**

Not yet answered

Marked out of 1.00

Flag question

Request implicit object is which of the following type?

Select one:

- a. HttpServletRequest
- b. HttpRequest
- c. ServletRequest
- d. ServletHttpRequest

**Question 6**

Not yet answered

Marked out of 1.00

Flag question

What will be the output for following code?

```
public class Compare
{
    public static void main(String[]args)
    {
        String s=new String("abc");
        String s1=new String("abc");
        System.out.println(s.compareTo(s1));
    }
}
```

Select one:

- a. True
- b. False
- c. None of the listed options
- d. Zero ("0")

**Question 5**

Not yet answered

Marked out of 1.00

Flag question

Which of the following keywords ensures that a method cannot be overridden?

Select one:

- a. protected
- b. static can be  
overridden-static
- c. abstract
- d. final

**Question 3**

Not yet answered

Marked out of 1.00

Flag question

DIV tag creates linebreaks similar to paragraph tags.

State True or False.

Select one:

- True
- False

**Question 4**

Not yet answered

Marked out of 1.00

Flag question

What is the syntax of Expression Language in a JSP page?

Select one:

- a. \${"expr"}
- b. #{expr}
- c. \${expr}
- d. \$[expr]

**Question 2**

Not yet answered

Marked out of 1.00

Flag question

Consider the following statements:

Statement A: The PreparedStatement object enables you to execute parameterized queries.

Statement B: The SQL query can use the placeholders which are replaced by the INPUT parameters.

Which of the following option is True with respect to the above statements?

Select one:

- a. Statement A is True and Statement B is False.
- b. Statement A is False and Statement B is True.
- c. Both Statements A and B are False.
- d. Both Statement A and Statement B are True.

\

**Question 1**

Answer saved

Marked out of 1.00

 Flag question

You are developing dynamic web application using JSP. Which attribute of page directive is imported in the JSP file?

Select one:

- a. session
- b. extends
- c. import 
- d. language

- 1) c
- 2) d
- 3) false
- 4) c
- 5) d
- 6) d
- 7) a
- 8) a
- 9) false
- 10) c
- 11) d
- 12) b
- 13)
- 14) b
- 15) a
- 16) A,c
- 17) b
- 18) d
- 19) c
- 20) true

21) c

22) c

23) a,d

24) a

25) a

26) true

27) d

28)

29) d

30) a

31) a

32) c

33) c

34) b

35) a

36) b

37) d,c,e

38) d

39) a

40) a

41) d

42) true

43) a

44) e

45) c

46) a

47) true

48) true

49) a

50) c

51) b

52) c

53)

54) b

55) b

56) false

57) b,c

58) a

59)

60) d

+++++

+++++

**Question 40**

Not yet answered

Marked out of 1.00

Flag question

Consider you are developing java application in a team consists of 20 developers and you want to create a class by Name ProgrammerAnalyst and to ensure that other developers in team use ProgrammerAnalyst class creating object and team member should not be given provision to inherit and modify and extend the ProgrammerAnalyst class using inheritance. How do you achieve this requirement in developer?

Select one:

- a. None of the listed options
- b. Declare the ProgrammerAnalyst class has private
- c. Declare the ProgrammerAnalyst class has final
- d. Declare the ProgrammerAnalyst class has abstract

**Question 39**

Not yet answered

Marked out of 1.00

Flag question

You are developing a web application using Servlets. You have to use filters so that the filter can process incoming requests before it is forwarded to the servlet. Which of the following method is used by the filter?

Select one:

- a. init
- b. doFilter
- c. doGet
- d. destroy

**Question 40**

Not yet answered

Marked out of 1.00

Flag question

Consider you are developing java application in a team consists of 20 developers and you want to create a class by Name ProgrammerAnalyst and to ensure that other developers in team use ProgrammerAnalyst class creating object and team member should not be given provision to inherit and modify and extend the ProgrammerAnalyst class using inheritance. How do you achieve this requirement in developer?

Select one:

- a. None of the listed options
- b. Declare the ProgrammerAnalyst class has private
- c. Declare the ProgrammerAnalyst class has final
- d. Declare the ProgrammerAnalyst class has abstract

**Question 49**

Not yet answered

Marked out of 1.00

Flag question

Consider you are maintaining XYZ company database. XYZ database tables are accessed by reports by joining multiple tables found each user writes query which is more than 100 lines long. This is causing the server to wait for the results. To solve this problem what is the right solution you will implement in such scenarios in order to increase performance?

Select one:

- a. Create Trigger
- b. Create Stored Procedure
- c. Create index
- d. Create View

**Question 50**

Not yet answered

Marked out of 1.00

Flag question

Which object of JSP holds reference to javax.servlet.http.HttpSession object?

Select one:

- a. request
- b. session
- c. response
- d. PageContext

**Question 20**

Not yet answered

Marked out of 1.00

Remove flag

Examine the PL/SQL Block

```
declare
result Number;
num1 Number:=&number1;
num2 Number:=&number2;
begin
select num1/num2 into result from dual;
dbms_output.put_line('Result is'||result);
exception
when ZEROS_DIVIDE then
dbms_output.put_line('Exception Occurred Divide by Zero');
end;
/
```

What will be the output of the above code when user passes the value for NUM1 as 0 and NUM2 as 1?

Select one:

- a. Compiles successfully and terminates the program due to an Exception
- b. Exception Occurred Divide by Zero
- c. Compilation fails
- d. Result is 0
- e. Result is 10

**Question 30**

Not yet answered

Marked out of 1.00

Flag question

Consider Vijay is developing a web application. Which method he can use to get all the paragraph tags (p tags) in Java Script?

Select one:

- a. getElementByName()
- b. getElementById()
- c. None of the listed options
- d. getElementsByTagName()

**Question 38**

Not yet answered

Marked out of 1.00

 Flag question

```
abstract class Vehicle
{
    public int speed()
    {
        return 0;
    }
}
class Car extends Vehicle
{
    public int speed()
    {
        return 60;
    }
}
class RaceCar extends Car
{
    public int speed()
    {
        return 120;
    }
}
public class Demo
```

**Question 48**

Not yet answered

Marked out of 1.00

 Flag question

What will be the output for following code?

```
public class CompareStrings{  
    public static void main(String[]args){  
        String a=new String("string");  
        String s=new String("string");  
        if(a==s)  
            System.out.println("both strings are equal");  
        else  
            System.out.println("both strings are not equal");  
    }  
}
```

Select one:

- a. compilation error
- b. Strings cannot be compare using == operator
- c. both strings are equal
- d. both strings are not equal

**Question 19**

Not yet answered

Marked out of 1.00

 Remove flag

What will be the output for following code?

```
public class Exception1{  
    public static void main(String args[]) {  
        int i=1, j=1;  
        try {  
            i++;  
            j--;  
            if(i/j > 1)  
                i++;  
        } catch(ArithmaticException e) {  
            System.out.println(0);  
        } catch(ArrayIndexOutOfBoundsException e) {  
            System.out.println(1);  
        } catch(Exception e) {  
            System.out.println(2);  
        }  
        finally {  
            System.out.println(3);  
        }  
        System.out.println(4);  
    }  
}
```

Select one or more:

- 
- a. 1

**Question 28**

Not yet answered

Marked out of 1.00

Flag question

What will be the output of the below query?

```
select to_CHAR(sysdate+(10/1400),'HH:MI:SS') from dual;
```

Select one:

- a. query contains error
- b. adds 10 days to the current Timestamp
- c. adds 10 minutes to the current Timestamp
- d. date functions cannot be converted into char
- e. adds 10 seconds to the current Timestamp

**Question 29**

Not yet answered

Marked out of 1.00

Flag question

Which of the following is an empty tag in HTML?

Select one:

- a. <h1>
- b. <input>
- c. <br>
- d. <a>

**Question 37**

Not yet answered

Marked out of 1.00

Flag question

Which of the following attributes of page directive are invalid?

Select one:

- a. session
- b. isELIgnored
- c. language
- d. isScriptingEnabled

- d. Use Cursors

**Question 47**

Not yet answered

Marked out of 1.00

 Flag question

Which method of jsp is equivalent to service method of servlet?

Select one:

- a. jspService()
- b. jsp\_Service()
- c. service()
- d. \_jspService()

**Question 18**

Not yet answered

Marked out of 1.00

 Remove flag

What is the data type of m in the following code?

```
import java.util.*;
public class set1
{
    public static void main(String [] args)
    {
        Set s=new HashSet();
        s.add(20);
        s.add("abc");
        for( _____ m:s)
            System.out.println(m);
    }
}
```

Select one:

- a. set1
- b. int
- c. Object
- d. String

**Question 27**

Not yet answered

Marked out of 1.00

Flag question

Manoj has created the Hello servlet that displays Welcome in the browser window. The code is as follows:

```
package myworld;
import java.io.IOException;
import java.io.PrintWriter;
import javax.servlet.ServletConfig;
import javax.servlet.ServletException;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;
public class hello extends HttpServlet
{
    protected void doGet(HttpServletRequest request HttpServletResponse response)
    {
        PrintWriter out = response.getWriter();
        out.println("<html>");
        out.println("<head>");
        out.println("<title>My Servlet</title>");
        out.println("</head>");
        out.println("<body>");
        out.println("<h>WELCOME</h>");
        out.println("</body>");
        out.println("</html>");
        out.close();
    }
}
```

**Question 9**

Not yet answered

Marked out of 1.00

 Flag question

How do you declare a tag library within a JSP page to use custom tags?

Select one:

- a. By using unique variable.
- b. By using scriptlet.
- c. By using taglib directive.
- d. By using path to the tag handler.

**Question 10**

Not yet answered

Marked out of 1.00

 Flag question

What is the syntax of Expression Language in a JSP page?

Select one:

- a. \${"expr"}
- b. #{expr}
- c. \${expr}
- d. \${[expr]}

**Question 36**

Not yet answered

Marked out of 1.00

 Flag question

What will be the output of following code?

```
class Super2
{
    public void display()
    {
        System.out.println("super class display method");
    }

    public void exe()
    {
        System.out.println("super class exe method");
        display();
    }
}

public class InheritMethod extends Super2
{
    public void display()
    {

        System.out.println("sub class display method");
    }
}
```

```
public static void main(String[] args)
```

**Question 45**

Not yet answered

Marked out of 1.00

Flag question

If your JDBC Connection is in auto-commit mode, which it is by default, then ever database upon its completion. State True or False.

Select one:

- True
- False

**Question 46**

Not yet answered

Marked out of 1.00

Flag question

XYZ Company database tables are accessed by several users but for few users information like address, phone number, email address in secured manner without database base tables. What will the right solution you will implement in such scenario?

Select one:

- a. Use database functions
- b. Create Views
- c. Use database Trigger
- d. Use Cursors

**Question 17**

Not yet answered

Marked out of 1.00

Remove flag

What are the types of refactoring?

Select one or more:

- a. Logical Structure
- b. Physical Structure
- c. Method Level
- d. Class Level Structure

**Question 26**

Not yet answered

Marked out of 1.00

Flag question

Select the right coding best practices followed while using java Collections.

Select one or more:

- a. Copy collections into other collections by calling addAll() methods instead using element.
- b. Use Collections with generic with same type of data.
- c. All of the listed options
- d. Use for loop instead of iterator.

**Question 7**

Not yet answered

Marked out of 1.00

Flag question

How to divide the page into two equal halves when we are using frameset ?

Select one or more:

- a. By using cols=50%,50%
- b. By using colspan
- c. By using rows=50%,50%
- d. by using rowspan

**Question 8**

Not yet answered

Marked out of 1.00

Flag question

Which of the following is valid declaration in JSP using declaration tag?

Select one:

- a. <%! String name="Rocky"; %>
- b. <%= public String name="Anand"; %>
- c. <!% String name="Rocky" %>
- d. <%@ String name="Anand" %>

**Question 35**

Not yet answered

Marked out of 1.00

Flag question

Which complex type specifies that the elements should always be in the order specified?

Select one:

- a. None of the listed options
- b. <xs:complexType name="CountryInfo"><xs:all> <xs:element name="countryName" type="xs:string"/></xs:all></xs:complexType>
- c. <xs:complexType name="CountryInfo"><xs:choice> <xs:element name="countryName" type="xs:string"/></xs:choice></xs:complexType>
- d. <xs:complexType name="CountryInfo"><xs:sequence> <xs:element name="countryName" type="xs:string"/></xs:sequence></xs:complexType>

**Question 43**

Not yet answered

Marked out of 1.00

Flag question

Identify the type of variable declared

VARIABLE City Varchar2(20).

Select one:

- a. Bind Variable
- b. Global Variable
- c. Host Variable
- d. Invalid Variable declaration
- e. None of the listed options

**Question 44**

Not yet answered

Marked out of 1.00

Flag question

What is the correct syntax of the declaration which defines the XML version?

Select one:

- a. <?xml version="1.0" />
- b. None of the listed options
- c. <xml version="1.0" />
- d. <?xml version="1.0"?>

1. The parameters describing data structure are passed to the web service in the request.

### Question 15

Not yet answered

Marked out of 1.00

 Remove flag

Consider the development scenario where you have created Employee class with implementation. In project requirement you have to ensure that developer in team reusing code written in Employee class by extending the employee class but not by creating the instance of Employee class. What is the solution to implement given requirement?

Select one:

- a. Make Employee class methods public
- b. Mark Employee class with abstract keyword
- c. Mark Employee class with final keyword
- d. Make Employee class methods private

### Question 16

Not yet answered

Marked out of 1.00

 Remove flag

Which of the following are used for executing client side script?

Select one or more:

- a. Servlets
- b. JavaScript
- c. JSP
- d. VBScript

**Question 25**

Not yet answered

Marked out of 1.00

Flag question

```
abstract public class Employee
{
    protected abstract double getSalesAmount();
    public double getCommision() {
        return getSalesAmount() * 0.15;
    }
}
```

```
class Sales extends Employee
{
```

```
// insert method here
}
```

Which two methods, inserted independently, correctly complete the Sales class? (Choose two.)

Select one or more:

- a. double getSalesAmount() { return 1230.45; }
- b. public double getSalesAmount() { return 1230.45; }
- c. private double getSalesAmount() { return 1230.45; }
- d. protected double getSalesAmount() { return 1230.45; }

**Question 5**

Not yet answered

Marked out of 1.00

 Flag question

Which tool verifies for best practice adherence?

Select one or more:

- a. ANT
- b. PMD
- c. Check Style
- d. CPD

**Question 6**

Not yet answered

Marked out of 1.00

 Flag question

A container does not initialize the servlets as soon as it starts up, it initializes a servlet first time. This is called **lazy loading**.

State True or False.

Select one:

- True
- False

**Question 34**

Not yet answered

Marked out of 1.00

Flag question

Gen has written a JSP code in which he is calling the getMessage() function which is not present in the code. He has to identify which code should he use to get this?

Select one:

 a. <html>

&lt;%!

String message="hello world";

String getMessage()

{

return message;

}

%&gt;

Message for you:&lt;%! getMessage() %&gt;

&lt;/html&gt;

 b. <html>

&lt;%=

String message="hello world";

String getMessage()

{

return message;

}

**Question 42**

Not yet answered

Marked out of 1.00

Flag question

Consider the usage of JSTL forEach tag in the following code snippet:

```
<font color='green'>
<ul>
<c:foreach flag=errmsg items="${errorMsgs}">
<li>${errmsg}</li>
</c:foreach>
</ul>
</font>
```

The code snippet contains some errors. Predict the correct code.

Select one:

- a. 

```
<font color='green'>
<ul>
<c:foreach flag="errmsg" items="${errorMsgs}">
<li>${errmsg}</li>
</c:foreach>
</ul>
</font>
```
- b. 

```
<font color='green'>
<ul>
<c:foreach flag=errmsg items="${errorMsgs}">
<li>${errmsg}</li>
</c:foreach>
</ul>
</font>
```

**Question 13**

Not yet answered

Marked out of 1.00

 Remove flag

Method keySet() in Map returns a set view of the keys contained in that map.

State True or False.

Select one:

- True
- False

**Question 14**

Not yet answered

Marked out of 1.00

 Remove flag

Consider the following code for an HTML form.

```
<form action=?/servlet/Login?>
<input type=?text? name=?username? value=?enter username?/>
<input type=?submit? name=?sbutton? value=?signin!..?/>
</form>
```

Which of the following happens upon pressing the submit button in the above form?(Cho

Select one or more:

- a. A request is sent with the HTTP method GET.
- b. A request is sent with the HTTP method POST.
- c. The parameter username is the only parameter passed to the web server in the re
- d. The parameters username and sbutton are passed to the web server in the requ

**Question 23**

Not yet answered

Marked out of 1.00

Flag question

You have a row level BEFORE UPDATE trigger on the EMP table. This trigger contains table to ensure that the new salary value falls within the minimum and maximum salary f when you try to update a salary value in the EMP table?

Select one:

- a. The trigger fails because you cannot use the minimum and maximum functions in
- b. The trigger fails because a SELECT statement on the table being updated is not
- c. The trigger fires successfully.
- d. The trigger fails because it needs to be a row level AFTER UPDATE trigger.

**Question 24**

Not yet answered

Marked out of 1.00

Flag question

John wants to see how many employees are there whose salary is above average. Which of the following query will help john to achieve this task?

Select one:

- a. Select count(\*) from emp where sal > (select Avg(sal) from emp);
- b. Select count(\*) from emp where sal exist (select avg(sal) from emp);
- c. Select count(\*) from emp where sal > (select Average(sal) from emp);
- d. Select count(\*) from emp where sal > (select max(sal) from emp);
- e. Select count(\*) from emp where sal in (select avg(sal) from emp);

**Question 3**

Not yet answered

Marked out of 1.00

 Flag question

An ObjectOutputStream deserializes objects previously written using an ObjectOutputStream.  
State True or False.

Select one:

- True
- False

**Question 4**

Not yet answered

Marked out of 1.00

 Flag question

Consider Vijay is developing web page using HTML.Which method he can use for sending form?

I: POST

II: GET

Select one:

- a. II
- b. I
- c. Both I & II
- d. None of the listed options

**Question 32**

Not yet answered

Marked out of 1.00

Flag question

Consider the following statements:

Statement A: A resource is passive when it does not have any processing of its own.

Statement B: The content of a passive resource does not change.

Which of the following is true about these statements?

Select one:

- a. Statement A is false and statement B is false.
- b. Statement A is true and statement B is true.
- c. Statement A is true and statement B is false.
- d. Statement A is false and statement B is true.

**Question 33**

Not yet answered

Marked out of 1.00

Flag question

Automatic page Refresh can be done by using refresh Meta Tag.

State True or False.

Select one:

- True
- False

**Question 41**

Not yet answered

Marked out of 1.00

Flag question

Which of the following statements are true?

Statement1: When a thread is sleeping as a result of sleep(), it releases its locks.

Statement2: The Object.wait() method can be invoked only from a synchronized context.

Select one:

- a. BOTH Statement1 & Statement2 are TRUE.
- b. BOTH Statement1 & Statement2 are FALSE.
- c. Statement1 is TRUE but Statement2 is FALSE.
- d. Statement2 is TRUE but Statement1 is FALSE.

**Question 11**

Not yet answered

Marked out of 1.00

Remove flag

Sam is writing a web application program. He has implemented ServletContextListener interface in his program. Which method of ServletContextListener interface he should use to perform start up initialization?

Select one:

- a. start()
- b. initiateContext()
- c. contextInitialized()
- d. init()

**Question 12**

Not yet answered

Marked out of 1.00

Remove flag

Consider you are developing a JDBC application, where you have to retrieve quarterly results from database store procedure created by database developer. Which statement API you will use to retrieve ResultSet information?

Select one:

- a. CallableStatement
- b. PreparedStatement
- c. Statement
- d. None of the listed options

**Question 21**

Not yet answered

Marked out of 1.00

 Flag question

An art of identifying, organizing, controlling and verifying the modification to the software

Select one:

- a. SVN
- b. SCM
- c. HCM
- d. SDLC

**Question 22**

Not yet answered

Marked out of 1.00

 Flag question

Which parser is a W3C standard?

Select one:

- a. None of the listed options
- b. SAX
- c. DOM
- d. XHTML

## CATP: Java Summative Assessment

Site Home

### Question 1

Not yet answered

Marked out of 1.00

Flag question

Which statement is true about Java Server Pages?

Select one or more:

- a. Platform dependent
- b. HTML files with special tags that contain java source code to generates dynamic content
- c. All of the listed options
- d. Used to build dynamic web pages

### Question 2

Not yet answered

Marked out of 1.00

Flag question

Consider the following statements:

Statement A: When tags are implemented with tag handlers written in Java, each tag in the TLD with a tag element.

Statement B: The tag element contains the tag name, the class of its tag handler, information on the variables created by the tag.

Which of the following is true about these statements?

Select one:

- a. Statement A is false and statement B is true.
- b. Statement A is true and statement B is true.
- c. Statement A is false and statement B is false.
- d. Statement A is true and statement B is false.

**Question 31**

Not yet answered

Marked out of 1.00

Flag question

XYZ Company database tables are accessed by several users but few users want to do operation on databases tables based on business requirement. What will the right solution scenario?

Select one:

- a. Use database Indexes
- b. Use Cursors
- c. Use database Trigger
- d. Use Views

1.b,d

2.b

3.true

4.b(POST)

5.b,c

6.true

7.a,c

8.a

9.c

10.c

11.c

12.a

13.true

14.a,d

15.b

16.b,d

17.b,d

18.c

19.034 will print

20.d

21.a or b, but mostly answer is "b"

22.c

23.c

24.a

25.b,d

26.a,b

27.jisme myworld nahi hai

28.c

29.c

30.d

31.b

32.b

33.true

34.--

35.d

36.--

37.d

38.

39.b

40.c

41.d

42.--

43.a

44.d

45.true

46.b

47.d

48.d

49.b

50.b