

Started on Saturday, 25 January 2020, 4:53 PM

State Finished

Completed on Saturday, 25 January 2020, 4:54 PM

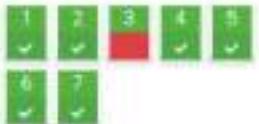
Time taken 1 min 15 secs

Marks 6.00/7.00

Grade 85.71 out of 100.00

Feedback Congratulations!!! You have passed by securing more than 80%

Quiz navigation



Show one page at a time

Finish review

Question 1

Correct

Mark 1.00
out of 1.00

Flag
question

The names of all associates undergoing training are stored in an array, associate_name[50]. 5th associate name is retrieved as

Select one or more:

- associate_name[6]
- associate_name[3+1] ✓
- associate_name[4] ✓
- associate_name[5]

Your answer is correct.

The correct answers are: associate_name[4], associate_name[3+1]

Question 2

Correct

Mark 1.00
out of 1.00

Flag
question

Elements stored in an array can be accessed only sequentially and not randomly.

Select one:

- True
- False ✓

The correct answer is 'False'.

Question

A logically cohesive module is one, where the activities to be executed are chosen from within the module itself. State True or False.

3

Incorrect

Mark 0.00
out of 1.00Flag
question

Select one:

 True  False

The correct answer is 'False'.

**Question
4**

Correct

Mark 1.00
out of 1.00Flag
question

Select one:

 Correct Robust  Readable Maintainable

Your answer is correct.

The correct answer is: Robust

**Question
5**

Correct

Mark 1.00
out of 1.00Flag
question

From the option, find the correct algorithm to find the greatest of three numbers

Select one:

Step 1: Start
Step 2: Declare variables a,b and c.
Step 3: If a>b
 If a>c
 Display a is the largest number.
 Else
 Display c is the largest number.
Else
 If b>c
 Display b is the largest number.
 Else
 Display c is the greatest number.
Step 4: Stop

Step 1: Start
Step 2: Declare variables a,b and c.
Step 3: Read variables a,b and c.
Step 4:
 If a>c
 Display a is the largest number.
 Else
 Display c is the largest number.
 Else
 If b>c
 Display b is the largest number.
 Else
 Display c is the greatest number.
Step 5: Stop

Step 1: Start
Step 2: Declare variables a,b and c.
Step 3: Read variables a,b and c.
Step 4: If a>b
 If a>c
 Display a is the largest number.
 Else
 Display c is the largest number.
 Else
 If b>c
 Display b is the largest number.
 Else
 Display c is the greatest number.
Step 5: Stop

Step 1: Start
Step 2: Declare variables a,b and c.
Step 3: Read variables a,b and c.
Step 4: If a>b
 If a>c
 Display a is the largest number.
 Else
 Display c is the largest number.
 Else
 If b>c
 Display b is the largest number.
 Else
 Display c is the greatest number.
Step 5: Stop ✓

Your answer is correct.

The correct answer is:

Step 1: Start

Step 2: Declare variables a,b and c.

Step 3: Read variables a,b and c.

Step 4: If a>b

If a>c

Display a is the largest number.

Else

Display c is the largest number.

Else

If b>c

Display b is the largest number.

Else

Display c is the greatest number.

Step 5: Stop

Question 6

Correct

Mark 1.00
out of 1.00

Flag question

Assume there is a method with the following signatures:

retrieveCustomerAddress()

void printAddressOfCustomer(char* address)

retrieveCustomerAddress() retrieves the address of the customer from the database and pass it to the printAddressOfCustomer method that takes only the address of the customer and prints it in the console.

What type of coupling is exhibited between these two modules?

Select one:

- None of these options
- Data coupling ✓
- Stamp coupling
- Control coupling

Your answer is correct.

The correct answer is: Data coupling

Question 7

Correct

Mark 1.00
out of 1.00

Flag question

When a module passes a data structure to another module which access some of the data member of the structure falls under _____ coupling

Select one:

- Common
- Data

question

- Control
- Stamp ✓

Your answer is correct.

The correct answer is: Stamp

[Finish review](#)



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Started on Friday, 24 January 2020, 4:57 PM

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Completed on Friday, 24 January 2020, 4:59 PM

Time taken 2 mins 18 secs

Marks 6.00/6.00

Grade 100.00 out of 100.00

Feedback Congratulations!!! You have passed by securing more than 80%

Quiz navigation



Show one page at a time

Finish review

Question

1

Correct

Mark 1.00
out of 1.00

Flag question

The statement(s) within the loop must get executed at least once. State True / False.

Select one:

True

False ✓

The correct answer is 'False'.

Question

2

Correct

Mark 1.00
out of 1.00

Flag question

Which of the below feature makes the RAM not suitable for the persistent storage?

Select one:

Slow in performance

Unreliable

Non volatile

Volatile ✓

Your answer is correct.

The correct answer is: Volatile

Question

Which of the following is the T's complement of 10?

3

Correct

Mark 1.00
out of 1.00Flag
question

Select one:

- 10
- 11
- 01 ✓
- 00

Your answer is correct.

The correct answer is: 01

**Question
4**

Correct

Mark 1.00
out of 1.00Flag
question

If a variable is stored in cache memory, is it also available in RAM?

Select one:

- Maybe, because a program may be using cache but not using RAM
- No, because cache and RAM are disjoint
- Yes, because cache holds a subset of RAM ✓
- No, because a program can't use both at the same time

Your answer is correct.

The correct answer is: Yes, because cache holds a subset of RAM

**Question
5**

Correct

Mark 1.00
out of 1.00Flag
question

Every data residing in the computer memory will have a unique identification number which is the address of the memory. State True or False.

Select one:

- True ✓
- False

The correct answer is 'True'.

**Question
6** $(no1+no2)*(no3+no4)$ is called as?

Correct

Mark 1.00
out of 1.00

Flag
question

Select one:

- Operation
- Expression ✓
- Statement
- Data type

Your answer is correct.

The correct answer is: Expression

Finish review



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Started on Friday, 24 January 2020, 7:18 PM

State Finished

Completed on Friday, 24 January 2020, 7:34 PM

Time taken 16 mins 17 secs

Marks 7.00/7.00

Grade 100.00 out of 100.00

Feedback Congratulations !!! You have passed by securing more than 80%

Question**1**

Correct

Mark 1.00
out of 1.00Flag
question

Order the given Cohesion starting from worst to best and coupling from highest to lowest

| Cohesion | Coupling |
|---|--|
| Co-incidental   | Content   |
| Logical   | Common   |
| Temporal   | Control   |
| Procedural   | Stamp   |
| Communicational   | Data   |
| Sequential   | |
| Functional   | |

Question**2**

Correct

Mark 1.00
out of 1.00

In FUN Mall, Mirchi FM has arranged for a thriller game. Mr. Stev who is the organizer for this event, calls one of the participant and ask him to pick a number. If the participant picks positive number he has to enter into angel house or if he picks zero or negative number he has to enter into ghost house. Write a program to display to which house the participant has to be entered.

Given the following algorithm, order the same in the correct sequence.

Quiz navigation**For Practice Only**

Show one page at a time

Finish review

Flag
question

- ✓ Start
- ✓ Get a number from the user
- ✓ Check if the number is greater than 0
- ✓ If greater then
- ✓ Print 'Enter the Angel House'
- ✓ Else if lesser then
- ✓ Print 'Enter the Ghost house'
- ✓ End

Your answer is correct.

Question 3

Correct

Mark 1.00
out of 1.00

Flag
question

g r l d h c o a y n s p i r t w i m t

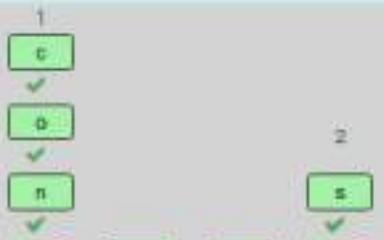
Complete the crossword

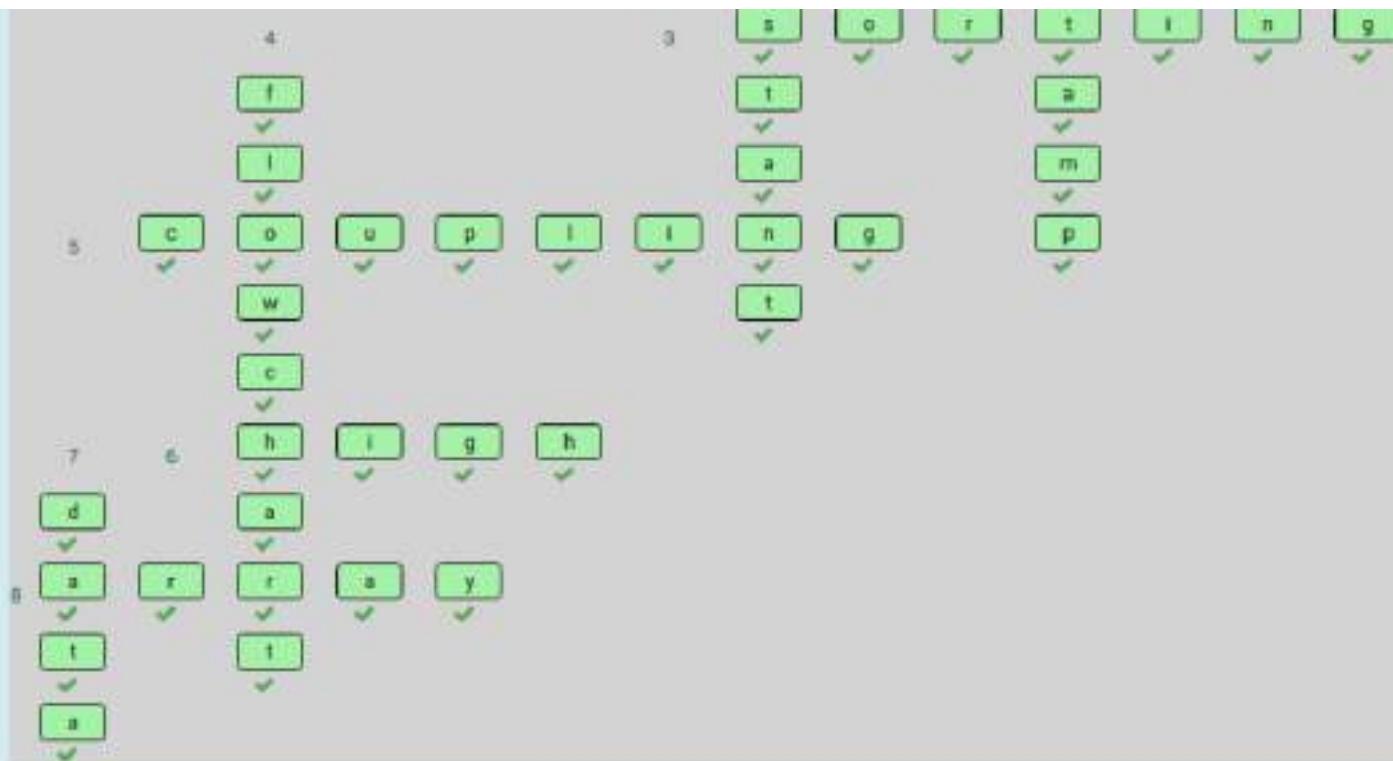
Across:

3. Process of placing elements from a collection in some kind of order
5. Measure of the degree of interdependence between modules
6. Software engineer must design the modules with _____ cohesion
8. Variable which is used to store large amount of data

Down:

1. Entity whose value does not change
2. Complete data structure is passed from one module to another
4. Diagrammatic representation of algorithm
7. Best type of module coupling





Question

4

Correct

Mark 1.00
out of 1.00

Flag
question

Drag and drop the correct Coupling and Cohesion

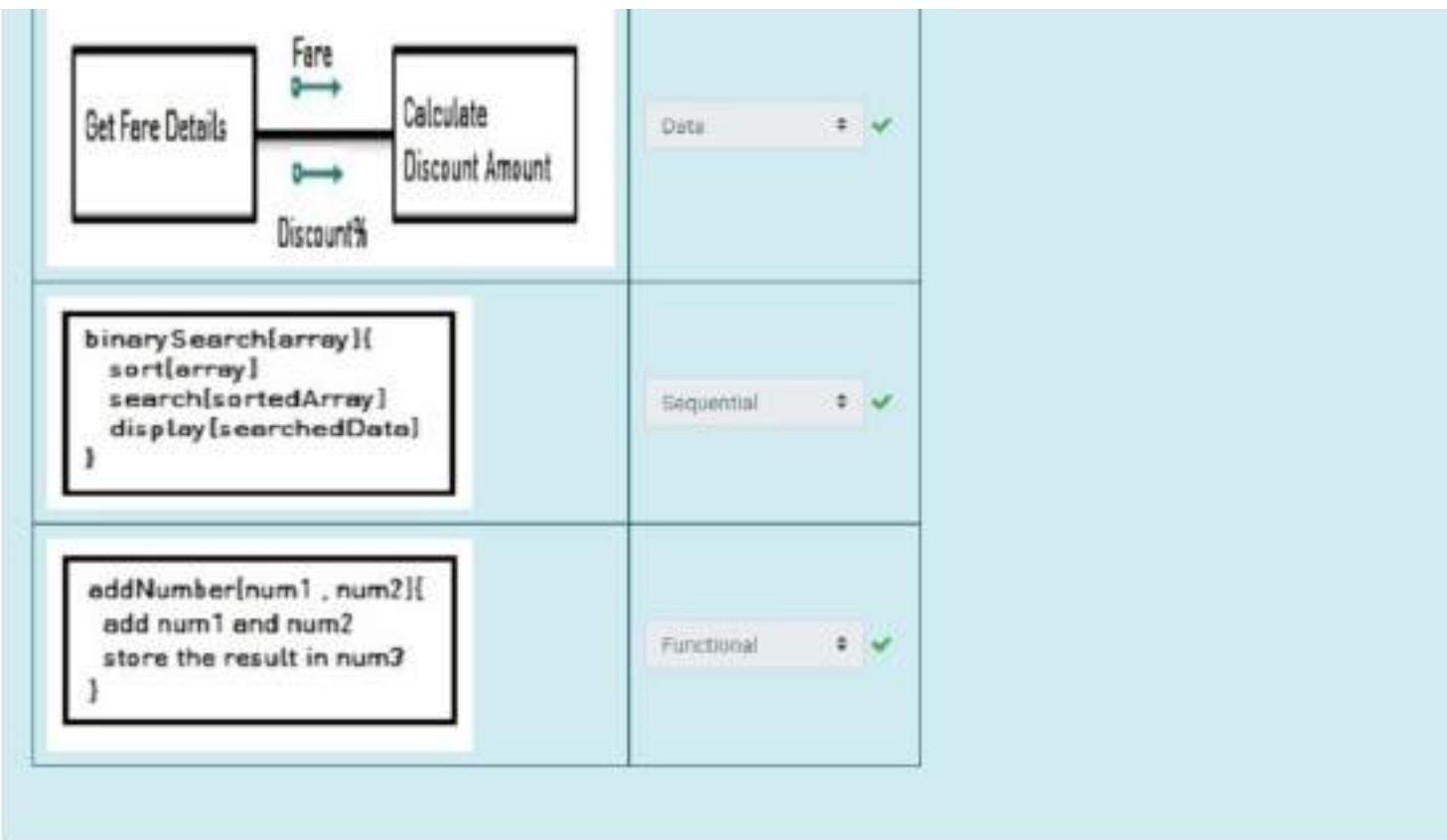
```
processProjectDetails[projectId]{
    getClientDetails[projectId]
    getEstimatedCost[projectId]
    getAllocationDetails[projectId]
}
```

Communicational

```
main()
get choice
addAccount(choice)
}
choice
```

```
addAccount(choice)
if choice is 1
    add to savings account
else if choice is 2
    add to current account
else
    add to recurring account
}
```

Control



Question 5

Correct

Mark 1.00
out of 1.00

Flag question

Drag And Drop the text to get correct algorithm for the below Scenario

Nihu wants to teach her 5 years old daughter about the seasons and the months. If Nihu tells the name of the month her daughter has to tell the respective season for the month.

Hint

Summer - March,April,May

Winter-December,January,February

Autumn - September,October,November

Spring - June,July,August

Algorithm for the Scenario

Start

Enter the ✓ to be checked

If ✓ ✓ Is March or April or May then

Print ✓ "Summer"

```

else if      ✅ ✓ the name of the month ✅ ✓ is December or January or February
Print        ✅ ✓ "Winter"

else if      ✅ ✓ the name of the month ✅ ✓ is September or October or November
Print        ✅ ✓ "Autumn"

Else          ✅ ✓

Print        ✅ ✓ "Spring"

end

```

Question 6

Correct

Mark 1.00
out of 1.00

Flag question

Order the sequence to get the correct algorithm for the below given scenario

A famous music director is now composing a pop album. To speed up his composition of generating unpredictable rhythms, he wants the list of prime numbers available in a range of numbers.

Can you help him out?

✓ Read the values for N and M.

✓ While N is smaller than M
Initialize I to 2

✓ While I is smaller than N

✓ If N is divisible by I
Skip loop

✓ Increment I

✓ If N is equal to I
Print N

✓ Increment N

Your answer is correct.

Question 7

Correct
Mark 1.00
out of 1.00

Flag
question

Generate the correct algorithm for the given scenario

National Highways Department announces a scheme for four wheeler in toll gate for 50th year celebration. If the vehicle number is divisible by both 7 and 3 that will move on for free of cost. If the vehicle number is divisible by 7 or 3 then they should pay half of the fee. Otherwise You have to pay.

start

read the vehicle_number

```
if vehicle_number % 7 and vehicle_number % 3 then
    print " Need not pay. Enjoy driving "
else-if vehicle_number % 7 or vehicle_number % 3 then
    print " Pay half the toll gate fee "
else
    print " Pay for toll gate "
end
```

Question
8

Not
answered

Not graded

Flag
question

"Brain Storm" a popular matriculation school in your place is conducting a science exhibition. Alex needs your help to present his project named as "Simple Calculator". Help him to write an algorithm to create a simple calculator that performs basic arithmetic operations (add, subtract, multiply and divide).

Question
9

Not
answered

Not graded

Flag
question

Tony crosses a street that is 'x' m long in 'y' minutes. Write an algorithm to compute his speed in km per hour, given x and y.

Hint: speed=distance/time

Question
10

Not

Mrs. Jessy teaches her 7-year-old daughter to tell the day of a week when Jessy tells a number between 1 to 7. Implement this scenario and generate an algorithm for the same.

answered

Not graded



question

Question 11

Not
answered

Not graded



question

Raj wants to convert binary number to decimal number system. Binary number system is a base 2 number system. It uses only 2 symbols to represent all its numbers i.e. 0 and 1. Build an algorithm for this conversion.

Question 12

Not
answered

Not graded



question

The first two terms in the Fibonacci series are 0 and 1, respectively, and each subsequent term is the sum of the previous two. Using this definition, to calculate the first several terms in the sequence, we get:

0, 1, 1, 2, 3, 5, 8, 13, 21, 34, 55, 89, ...

Build an algorithm for the same.

Question 13

Not
answered

Not graded



question

Factorial of any number n is represented by $n!$ and is equal to $1 \times 2 \times 3 \times \dots \times (n-1) \times n$.
Write an algorithm to find the factorial of any given number.

Question 14

Not
answered

A three digit number is called an Armstrong number if the sum of the cube of its digits is equal to the number itself. Write an algorithm for the same.

Not graded

Flag question

Question 15

Not answered

Not graded

Flag question

A passport office at Gurgaon decides to generate a Unicode for every applicant who applies for passport and to mail the same to the applicants. The passport service will get rendered only when an applicant provides his own Unicode number that was sent to him. The Unicode is generated in a tricky way. It is the year of birth of the applicant summed up followed by the area code reversed.

Year entered must contain four digits; otherwise display – ‘Unable to generate Unicode’. If the year entered is greater than the current year or less than or equal to zero, display the message – ‘Unable to generate Unicode’. If the area code entered is less than or equal to zero, display the message – ‘Invalid area code’.

Build an algorithm for the same.

Question 16

Not answered

Not graded

Flag question

A grocery shop gives discount of 10% on a particular product if the cost of the quantity purchased crosses 1000. The price of one piece of this product is Rs. 100. Write an algorithm to calculate the price a person will have to pay, given the quantity he purchased.

Question 17

Not answered

Not graded

Flag question

A computer teacher wants his students to find the number of days in the month of February depending on whether it is a leap year or not. Build an algorithm for the same.

Question 18

To decide on an employee's work allotment, the manager asks for his/her age, sex (M or F), marital status (Y or N). He then applies the following rules to decide on their share of service:

Not
answered
Not graded
Flag
question

If the employee is a female and is married, then she will work in urban areas.
If the employee is a male, married and if the age is between 20 and 40, then he could be put to work anywhere.
If employee is a male, unmarried and if the age is between 40 and 60, then he will work in urban areas.
Write an algorithm for the same.

Question 19

Not
answered
Not graded
Flag
question

Jane and James are friends and both are really interested in learning new aspects and new things in a programming language. One day, they planned to find out the best algorithm to count the frequency of each digit in any given number. Help them find out the best algorithm to do the same.

Question 20

Not
answered
Not graded
Flag
question

If a factor of a number is a prime number then it is its prime factor. Write an algorithm to find the prime factor of a number.

Question 21

Not
answered
Not graded
Flag
question

IMBC HR management has planned to implement a web-based leave management system for their employees. All full-time employees shall receive 17 days of personal leave for a year, along with the leave balance of the previous year.

Assume (N) is the leave balance of the previous year and update the total number of leave days received by an employee for the current year. The algorithm should ask a user to type an integer (N) between 0 and 20 (both included) so that he would obtain $N+17$ as his output. On typing a wrong integer, he must be asked to type a right one. This must continue until the user types in the right input. Once a right integer is typed, then $N+17$ would get processed.

Question 22

Mr William buys a new Audi car. During the vehicle registration, he needs a fancy number like both the number and its reverse are the same. Generate an algorithm to find that fancy number.

Not
answered

Not graded

Flag
question

Question 23

JeanStore an online shopping portal introduces jeans for women. Assume 10 model pictures are given with different sizes. Write an algorithm to arrange them in the catalog, based on their size from big to small.

Not
answered

Not graded

Flag
question

Question 24

A private bank comes up with a requirement to check the age of a person who wants to open an account in their bank. They approach you to create an algorithm to calculate the age when the birth year and the current year are given. Both the years should be encoded with last two digits.

For example, if the birth year is 1990, then the user will enter only "90". You will have to determine, if a two digit value such as "62" corresponds to a year in the 20th century ("1962"). If the user gives "00", this will be considered as year 2000. Assume that the age should always between 18 and 100 (inclusive) and the current year to be 2018.

Not
answered

Not graded

Flag
question

Question 25

A big state level tournament is coming up. A sports academy is preparing their students for the same and has formed two groups, namely Group A and Group B. Each group contains 6 players. Both the teams are said to be compatible if they are of the same size and if the player in i^{th} position in group A is greater than the player in i^{th} position in group B, for all i . Write an algorithm for the same.

Not
answered

Not graded

Flag
question

Question 26

Not answered

Not graded

Flag question

A grand discount sale is announced by 3 vendors - Flipkart, Amazon and Snapdeal for the products - mobile, laptop, speakers, power bank and USB. Ms. Grace wants to identify which vendor supplies each product for the least price. For example, if a laptop is sold for 45000, 42000, and 46000 by the three vendors, then she must be able to identify that the laptop from Amazon has the least price of Rs.42000. This has to be done for all the 5 products. Help Grace with an algorithm that displays the least price of each product along with the vendor that sells it. The flow has to terminate abruptly displaying - 'Invalid input', if a price entered is negative.

Question 27

Not answered

Not graded

Flag question

The captain of the ship INS Chakra wants to select someone from his crew for help. Everyone seems eligible and so he decides to test their intelligence with a game and pick the one that wins. The members will have to stand in a line and they will be numbered in the order in which they stand, starting from 1. The point is - in his first pass, the captain will remove all the members standing in the odd position. This process of removal will continue for several passes until there is just one person left. The captain gives them just 30 seconds to line up. Imagine yourself to be a crew member and design an algorithm that will help you choose the perfect place to stand in the line so that you win!

Hints :

Members are numbered in the order - 1,2,3,4,5,6,7,8

After the first pass, members in these positions are safe - 2,4,6,8

After the second pass, members in these positions are safe - 4,8

The winner is at the position - 8 !

Question 28

Not answered

Not graded

Flag question

You are the class representative and your class adviser wants you to prepare the result analysis after every internal assessment. Given the scores of 'N' students in the class for 6 courses, one of the tasks in the analysis is to find the maximum mark scored in each course. Write an algorithm for the same. Marks cannot be negative or greater than 100. On such erroneous input, stop the flow deliberately displaying - 'Invalid input'.

Question 29

Not answered

Not graded

Flag question

As a result of the final year on-campus, Tekno School of Computing wants to select the students, who have performed well in the interview. The report given is in the matrix format. Now nominees for the post "placement coordinators" are to be selected. The students with highest interview score is the one to be nominated. The total number of inputs can be calculated using $(m \times n + 2)$. The first input integer corresponds to m, the number of rows in the matrix(i.e. number of students) and the second integer corresponds to n, the number of columns(number of interview rounds). The remaining integers correspond to the elements in the matrix. The elements are read in row wise order, first row first, then second row and so on. Assume that the maximum value of m and n to be 10.

For ex: Consider in a 3x3 matrix, 9 values to be filled.

Question

| | round1 | round2 | round3 |
|----------|--------|--------|--------|
| student1 | 1 | 4 | 5 |
| student2 | 6 | 4 | 1 |
| student3 | 2 | 4 | 3 |

For this scenario, the total number of inputs is 11 calculated using formula($m^2 + 2$). Here, $((3^2 + 2) = 11)$. The input integers are 3,3,1,4,5,6,4,1,2,4,3. Here, first integer represents 3 rows, second integer represents 3 columns, the remaining integers are scores. (highest scores values can be calculated as follows $(1+4+5)$, $(6+4+1)$, $(2+4+3)$). Here, The nominee with highest score 11 is student 2). If two or more students with same score, then they can be the nominated.. Write a Pseudo code for this scenario.

Question 30

Not answered

Not graded

[Flag question](#)

In a class room, students are seated in the form of a square matrix of order $n \times n$. A nominee for the post of class representative is to be selected from each row. The student with the highest mark in each row is the one nominated from that row. Given the marks of the students in the row wise order of their seating, can you write an algorithm that displays the positions of the nominees in each row?

Question 31

Not answered

Not graded

[Flag question](#)

A matrix is said to be row dominant if the sum of the elements along any row in the matrix is greater than the sum of the elements along every column in the matrix. Write an algorithm to determine whether the given matrix is row dominant or not.

Question 32

Not answered

Not graded

[Flag question](#)

A new employee has joined a company. He is allocated projects during his probation. He is given a score for each project he finishes. Assume that the number of projects will not exceed 10. The project manager who is notified every project score, checks for the average of scores. If the average is above 80, he is allocated with the real project, else he is given more assignments. Write an algorithm for the same.

**Question
33**Not
answered

Not graded

Flag
question

A parade is arranged for Independence Day celebrations in your campus. A line of students are arranged in odd and even positions. Now the students in the odd positions are to be sorted in the descending order and the students in the even position are to be sorted in ascending order, given a 1-D array. The maximum length of the line is 20. Display – 'Invalid Size', if the input specified is zero or negative.

Write an algorithm to implement the above scenario.

**Question
34**Not
answered

Not graded

Flag
question

George is given a task by his mathematics professor. His task is to merge 2 arrays and get the result sorted in ascending order. The sorted array must not contain duplicates. Write an algorithm for the same.

[Finish review](#)

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Completed on Thursday, 27 February 2020, 2:37 PM

Time taken 4 mins 49 secs

Marks 4.00/5.00

Grade 80.00 out of 100.00

Feedback

Congratulations! You have passed by securing more than 80%.

Quiz navigation



Finish review

Question

1

Correct

Mark 1.00
out of 1.00

Flag
question

Tom is the developer of Allen Software Company. He gets the requirement for which he needs to provide solution. His friend advised him to understand Object oriented concepts and choose a language that support Object oriented concept for implementation. What factors does his friend would have thought in mind that made him advise Tom to opt for a language that supports Object oriented concepts and principles.

Select one or more:

Select one or more:

- a. Data Abstraction is possible ✓
- b. Software Re-usability is more ✓
- c. Software is not easy to develop for complex system
- d. Modularity is achieved ✓

Your answer is correct.

Object Oriented features.

The correct answers are: Data Abstraction is possible, Modularity is achieved, Software Re-usability is more

Question

2

Correct

Mark 1.00
out of 1.00

Flag
question

In which approach, software enhancement is easier?

Select one:

- a. Procedural Oriented
- b. Structured Programming
- c. Object Oriented ✓
- d. Top-down approach

Your answer is correct.

Object Oriented Programming is easier to add new objects with minimal changes to the existing code.

The correct answer is: Object Oriented

Question 3

Correct

Mark 1.00
out of 1.00

Flag
question

ABC bank wants to automate its banking operations. Customers can register with the bank to perform the banking operations like online fund transfer, pay creditbill, view profile. From the above scenario identify the possible functions.

Select one:

- a. Bank
- b. ABC bank, customer
- c. automate,operations
- d. online fund transfer, pay creditbill, view profile ✓

Your answer is correct.

The business logic to implement.

The correct answer is: online fund transfer, pay creditbill, view profile

Question 4

Incorrect

Mark 0.00
out of 1.00

Flag
question

Consider the following scenario and identify all the possible objects.

"John and Sam are the employees of Allen software company. SPTS,LMS are the projects that are to be moved to the production environment. Every employee has empid, designation, allocation status and project has projectid, startDate, endDate, projcost"

Select one:

- a. John, Sam, empid, designation,allocation status, SPTS, LMS, projid, startdate, enddate, projcost
- b. John, Sam, Allen software company, SPTS, LMS, Employee, Project
- c. Employee, Project ✗
- d. John, Sam, Allen software company, SPTSLMS

Your answer is incorrect.

All nouns are the objects.

The correct answer is: John, Sam, Allen software company, SPTS, LMS, Employee, Project

Question 5

Procedure Oriented Programming focus more on functions than the data.

Correct

Mark 1.00

out of 1.00

Flag

question

Select one:

True ✓

False

Procedure Oriented Programming focus more on functions than the data.

The correct answer is 'True'.

[Finish review](#)



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State Finished

Completed on Thursday, 27 February 2020, 2:52 PM

Time taken 1 min 36 secs

Marks 3.00/3.00

Grade 100.00 out of 100.00

Feedback Congratulations! You have passed by securing more than 80%.

Quiz navigation



Finish review

Question 1

Correct

Mark 1.00
out of 1.00

Flag
question

Match the following:

Binding data and methods

Encapsulation

Exposing relevant information

Abstraction

Creating objects for the class

Constructor

Private and Public

Access specifiers

Your answer is correct.

The correct answer is: Binding data and methods → Encapsulation; Exposing relevant information → Abstraction; Creating objects for the class → Constructor; Private and Public → Access specifiers

Question 2

Correct

Mark 1.00
out of 1.00

Flag
question

Find the Relationship between Customer and Order class.

Customer

Dependency

Order

Inheritance

Aggregation

Realization

Your answer is correct.

The correct answer is:

Find the Relationship between Customer and Order class.

Customer

Dependency

Order

Question 3

Correct

Mark 1.00
out of 1.00

Flag
question

Match the following

| | | |
|---------------|-------------------|--|
| Sub class | Specialized class | |
| Early binding | Overloading | |
| Late binding | OVERRIDING | |
| Super class | Generalized class | |

Your answer is correct.

The correct answer is: Sub class → Specialized class; Early binding → Overloading; Late binding → OVERRIDING; Super class → Generalized class

[Finish review](#)



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Started on Thursday, 27 February 2020, 8:31 PM

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Completed on Thursday, 27 February 2020, 8:32 PM

Time taken 56 secs

Marks 5.00/5.00

Grade 100.00 out of 100.00

Feedback Congratulations!!! You have passed by securing more than 80%

Quiz navigation



Finish review

Question 1

Correct

Mark 1.00
out of 1.00

Flag
question

ABC university came up with the requirement. They wanted to enhance their website by adding a feature of knowing the count of the new candidates who register in their website. Which OO concept can be used to implement this task?

Select one:

- a. Static ✓
- b. Class
- c. Interface
- d. Object

Your answer is correct.
common value for all objects.
The correct answer is: Static

Question 2

Correct

Mark 1.00
out of 1.00

Flag
question

With respect to the problem domain taking the relevant information and ignoring the remaining information is called _____.

Select one:

- a. Modularity
- b. Hierarchy
- c. Abstraction ✓
- d. Encapsulation

Your answer is correct.
Feedback Extracting essential information.

The correct answer is: Abstraction

Question 3

Correct

Mark 1.00
out of 1.00

Flag question

PermanentEmployee is an Employee.

What is the relationship between these classes?

Select one:

- a. Aggregation
- b. Encapsulation
- c. Generalization ✓
- d. Modularity

Your answer is correct.

Is a type of relationship between two classes.

The correct answer is: Generalization

Question 4

Correct

Mark 1.00
out of 1.00

Flag question

Data Persistence can be achieved using a data base system.

Select one:

- True ✓
- False

Database systems are used to store data permanently.

The correct answer is 'True'.

Question 5

Correct

Mark 1.00
out of 1.00

Flag question

_____ behaves like a folder.

Select one:

- a. Interface
- b. Abstract
- c. Static
- d. Package ✓

Your answer is correct.
Modularity is achieved through packages.

The correct answer is: Package

[Finish review](#)



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Started on Sunday, 1 March 2020, 11:57 PM

State Finished

Completed on Monday, 2 March 2020, 12:03 AM

Time taken 5 mins 8 secs

Marks 4.75/5.00

Grade 95.00 out of 100.00

Feedback You have completed UML_HandsOn

Quiz navigation



Show one page at a time

Finish review

Question

1

Correct

Mark 1.00
out of 1.00

Flag
question

Identify the missing usecase that is part of bill calculation from the scenario.

Allen Corporation is a leading Integrated Hospitality Chain in UK. The company is headquartered in London and has several business operations. It started as a small organization and due to the efficient operations the company attracted a huge customer base and was very successful. The company decided to expand operations around Europe and decided to implement a robust I.T solution to enhance business operations.

The company had several divisions which had several service offerings for the customer. One such division is Holiday Package Division.

Holiday Package Division

The holiday package division is very popular. The company offered short tour packages all over Europe/Africa. The company has several packages. The base package is for 3 nights/2 days and applicable for couple.

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| Greece | 250 |
| Istanbul | 280 |
| Scilly | 310 |
| Copenhagen | 320 |

If the customer is a single traveler then 60% of the base rate is applicable. If there is a third traveler in addition to the couple, the extra person will have to

incur a charge of 40% of the base rate. Any extra person will carry the same charge. However if the extra person is a child of the couple, then only 20% of the base rate is applicable. If the child is below the age of 5, then the company will not levy any fees, but all taxes will be levied.

The company has certain specific provisions for customers.

- 1) Repeat/Frequent customers will get a discount of 7% (Frequent customer means customer who uses the holiday package atleast once in every 2 months).
- 2) Honeymoon couples will get a discount of 8%
- 3) Senior citizens (above the age of 65) will get a discount of 12%
- 4) Option 1 cannot be clubbed with options 2 and 3

The prices mentioned above are only the base prices and all taxes and levies are extra.

The company has offices in 5 locations in UK and the service tax applicable is different at these 5 locations. The main five locations of the company are

1. Birmingham
2. Cambridge
3. Edinburgh
4. Glasgow
5. Nottingham

The service tax imposed by the local government at different locations is as follows:

- Birmingham 10 %
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- Glasgow 16%
- Nottingham 18%

The local government at Cambridge imposes a lower service tax of 6% for packages booked by Senior citizens. Also, it completely waives off any tax on children below the age of 5.

The local government of Nottingham gives a 4% rebate on the service tax to honeymoon couples.

The holiday package is inclusive of all local transfers, guide cost and accommodation. The travelers have to take care of the flight travel to and from their hometown to the tourist center.

There are some options given to the traveler which can be purchased as an add-on to the existing tour package.

The accommodation is standard double room. This can be upgraded to standard ac by paying an additional 20 Euros per day per room. Upgrade to deluxe ac can be done by paying an additional 40 Euros per day per room.

The company also offers holiday insurance as an optional add-on. This works out to 80 Euros per person per package. For children (below the age of 16) it is 40 Euros per child per package.

The package has to be booked at least 30 days in advance. 40% of the tour package amount has to be paid as advance at the time of booking and the remaining amount has to be made 3 days prior to the tour date. If the amount is not paid in time, the booking will be nullified and the entire amount is forfeited.

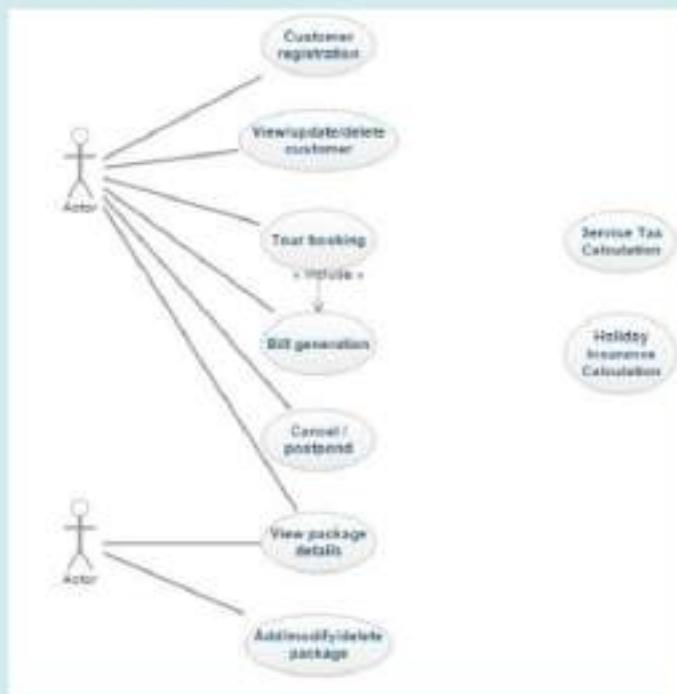
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- The traveler can cancel his trip 30 days prior to the tour package start date by paying a fee of 18 Euros per person. After deductions, the balance amount from the advance amount, if any, will be refunded.
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Select one:

- a. Bill Calculation
- b. Discount Calculation ✓
- c. Cancel and post-pone charges

Your answer is correct.

The correct answer is: Discount Calculation

Question 2

Correct

Identify, whether there is a relation between bill generation and cancel/postpone if present what type of relation from the given scenario

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| Greece | 250 |
| Istanbul | 280 |
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| Copenhagen | 320 |

If the customer is a single traveler then 50% of the base rate is applicable. If there is a third traveler in addition to the couple, the extra person will have to incur a charge of 40% of the base rate. Any extra person will carry the same charge. However if the extra person is a child of the couple, then only 20% of the base rate is applicable. If the child is below the age of 5, then the company will not levy any fees, but all taxes will be levied.

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The holiday package is inclusive of all local transfers, guide cost and accommodation. The travelers have to take care of the flight travel to and from their hometown to the tourist center.

There are some options given to the traveler which can be purchased as an add-on to the existing tour package.

The accommodation is standard double room. This can be upgraded to standard ac by paying an additional 20 Euros per day per room. Upgrade to deluxe ac can be done by paying an additional 40 Euros per day per room.

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Customer registration

Forgot password?



Select one:

- a. include ✓
- b. extends
- c. no direct relation

Your answer is correct.

The correct answer is: include

Question 3

Correct

Mark 1.00
out of 1.00

Flag
question

Is the given usecase diagram correct for the given scenario?

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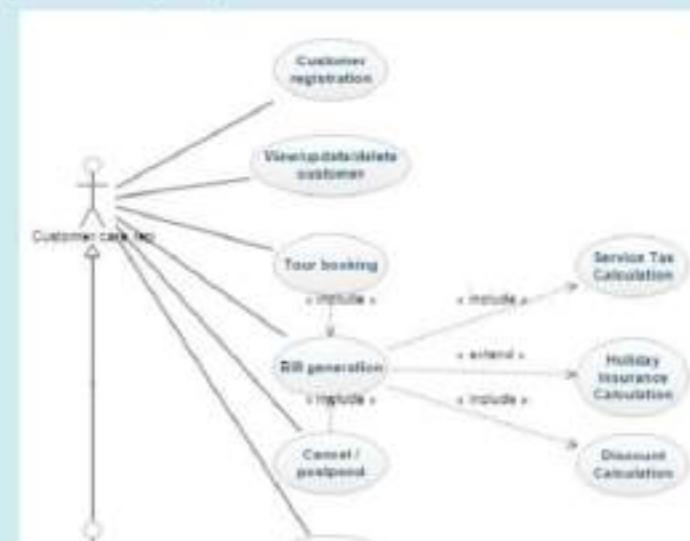
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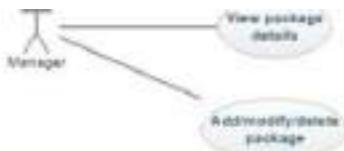
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Select one:

- True
- False ✓

The correct answer is 'False'.

Question 4

Correct

Mark 1.00
out of 1.00

Flag question

In a library there are many books and members register themselves with their name, age, address and if staff with staffId, department or if student then regno, year. Registered members can borrow the book. The details of the books been borrowed by the members are also maintained. Every time a member borrows a book the return date is calculated. If the date of return by the member is beyond the return date, then a penalty is calculated. The difference in date and the return date are calculated using a helper class methods

For the given scenario identify the classes:

Select one:

- a. Member, Staff, Student, Book, Transaction, DateCalculator ✓
- b. Member, Staff, Student, Book, DateCalculator
- c. Member, Book, Transaction, DateCalculator
- d. Member, Staff, Student, Book, Transaction

Your answer is correct.

The correct answer is: Member, Staff, Student, Book, Transaction, DateCalculator

Question 5

Partially correct

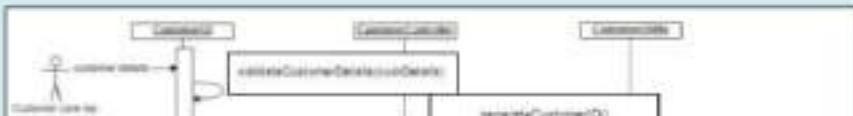
Mark 0.75
out of 1.00

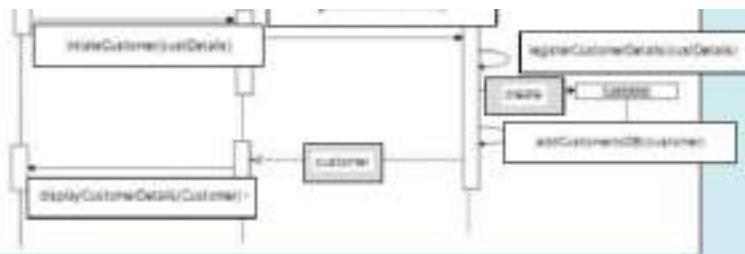
Flag question

Complete the sequence diagram.

Classes present

| CustomerUI | CustomerController | CustomerUtility |
|--|--------------------------------|--|
| +validateCustomerDetails(custDetails) +displayCustomerDetails(customer) | +initiateCustomer(custDetails) | +registerCustomerDetails(custDetails) +generateCustomerID() +addCustomerToDB(customer) |





Your answer is partially correct.

You have correctly selected 6.

[Finish review](#)



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Started on: Sunday, 1 March 2020, 4:27 PM

State: Finished

Completed on: Sunday, 1 March 2020, 4:29 PM

Time taken: 2 mins 29 secs

Marks: 8.00/8.00

Grade: 100.00 out of 100.00

Feedback: Congratulations! You have passed by securing more than 80%.

Question 1

Correct

Mark 1.00
out of 1.00

Flag question

Which UML model depicts the interactions between the objects by passing series of messages?

Select one:

- a. state chart diagram
- b. usecase diagram
- c. sequence diagram ✓
- d. class diagram

Your answer is correct.

Sequence diagram show object interaction.

The correct answer is: sequence diagram

Question 2

Correct

Mark 1.00
out of 1.00

Flag question

In statechart diagram, the objects state is changed because of _____.

Select one:

- a. event ✓
- b. class
- c. actor
- d. none of the option

Your answer is correct.

Event changes the state of an object.

Quiz navigation



Show one page at a time

Finish review

**Question
3**

Correct

Mark 1.00
out of 1.00 Flag question

Activity diagram does not contain _____

Select one:

- a. Activity state
- b. action
- c. attributes ✓
- d. transition

Your answer is correct.

Activity diagram captures the actions part of the system.

The correct answer is: attributes

**Question
4**

Correct

Mark 1.00
out of 1.00 Flag question

In Activity diagram, Fork is used to represent _____

Select one:

- a. All the operations
- b. Sequential flow
- c. Concurrent flow ✓
- d. Iterations

Your answer is correct.

Fork is the control node which is used split the incoming flow into multiple concurrent flows.

The correct answer is: Concurrent flow

**Question
5**

Correct

Mark 1.00
out of 1.00 Flag question

Activity diagram:

Select one:

- a. represents normal and alternate flow of business.
- b. represents the behaviour of the individual objects.
- c.

represents the flow of control from activity to activity. ✓

- d.
none of the options.

Your answer is correct.

Activity diagram describes the dynamic aspects of the system.

The correct answer is:

represents the flow of control from activity to activity.

Question

6

Correct

Mark 1.00
out of 1.00

 Flag
question

What is the type of relation between Cycle and Bi-cycle?

Select one:

- a. Realization
- b. Composition
- c. Aggregation
- d. Generalization ✓

Your answer is correct.

Bi-cycle is a type of Cycle. So Cycle is generalized class and Bi-cycle is specialized class.

The correct answer is: Generalization

Question

7

Correct

Mark 1.00
out of 1.00

 Flag
question

Which notation in sequence diagram is used to represent the period of time the object is active?

Select one:

- a. Object
- b. synchronous message
- c. Focus of control ✓
- d. Life line

Your answer is correct.

Rectangle box on life line shows the active portion of the object.

The correct answer is: Focus of control

Question**8**

Correct

Mark 1.00
out of 1.00 Flag
question

Who is an actor?

Select one:

- a. An actor can be a human,device or an external system. ✓
- b. An actor only gives but does not receive the information.
- c. An actor only receives information.

Your answer is correct.

An actor is a user, who interacts with the system.

The correct answer is: An actor can be a human,device or an external system.

[Finish review](#)

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Started on Sunday, 1 March 2020, 3:07 PM

State Finished

Completed on Sunday, 1 March 2020, 3:11 PM

Time taken 3 mins 34 secs

Marks 4.00/5.00

Grade 80.00 out of 100.00

Feedback Congratulations! You have passed by securing more than 80%.

Quiz navigation



Finish review

Question 1

Correct

Mark 1.00
out of 1.00

Flag question

A software objects behaviour is exposed through _____.

Select one:

- a. Objects creation
- b. variables and values
- c. methods ✓
- d. variables

Your answer is correct.

Functionality of an object is expressed through methods.

The correct answer is: methods

Question 2

Correct

Mark 1.00
out of 1.00

Flag question

Smith behaves differently depending on the situations. At school he is a student, at home he is a son, in school bus he is a passenger and at super market he is a customer. What OO concept does Smith exhibit?

Select one:

- a. Hierarchy
- b. Encapsulation
- c. Polymorphism ✓
- d. Modularity

Your answer is correct.

A person will have different roles.

The correct answer is: Polymorphism

Question 3

Incorrect

Mark 0.00
out of 1.00

Flag question

Camera has the feature called takePhoto. Mobile has implemented camera and has given its own definition for takePhoto. Laptop has also implemented Camera and has given its own implementation of Camera. What is the Object Oriented concept between Camera and Mobile and Camera and Laptop?

Select one:

- a. Modularity
- b. Encapsulation
- c. Abstract
- d. Interface

Your answer is incorrect.

Camera is a contract and it is implemented in Mobile and Laptop too.

The correct answer is: Interface

Question 4

Correct

Mark 1.00
out of 1.00

Flag question

What is the relationship between Book and Index of the book?

Select one:

- a. Dependency
- b. Realization
- c. Composition
- d. Aggregation

Your answer is correct.

Index is part of Book and Index cannot exist without book.

The correct answer is: Composition

Question 5

Correct

Mark 1.00
out of 1.00

Flag question

Which of the following are true about the class diagram?

Select one:

- a. depicts transition of the objects of the classes.
- b. depicts the behaviour of the system.
- c. depicts the life cycle of a class.
- d. depicts the relationships between the classes

Your answer is correct.

Class diagram depicts the relationship between the classes.

The correct answer is: depicts the relationship between the classes.

[Finish review](#)



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Started on Sunday, 1 March 2020, 4:16 PM

State Finished

Completed on Sunday, 1 March 2020, 4:17 PM

Time taken 55 secs

Marks 1.00/1.00

Grade 100.00 out of 100.00

Feedback Congratulations! You have passed by securing more than 80%.

Quiz navigation



Finish review

Question

1

Correct

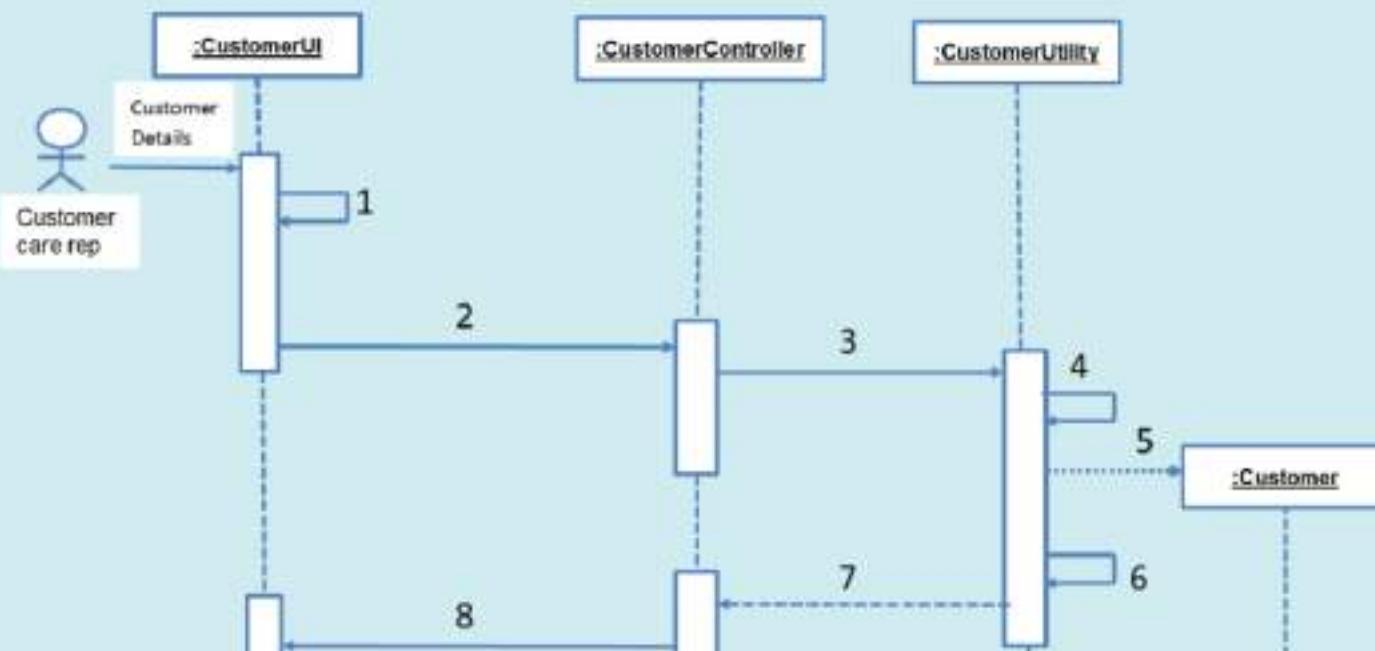
Mark 1.00
out of 1.00

Flag
question

Match the right methods for the numbers specified in the sequence diagram.

Use the class diagram given below to complete the task.

| CustomerUI | CustomerController | CustomerUtility |
|--|---|---|
| <code>+validateCustomerDetails(custDetails)</code> <code>+displayCustomerDetails(customer)</code> | <code>+initiateCustomer(custDetails)</code> | <code>+registerCustomerDetails(custDetails)</code> <code>+generateCustomerID()</code> <code>+addCustomerToDB(customer)</code> |



| | | | |
|---|--------------------------------------|---|---|
| 1 | validCustomerDetails(custDetails) | ⌚ | ✓ |
| 2 | initiateCustomer(custDetails) | ⌚ | ✓ |
| 3 | registerCustomerDetails(custDetails) | ⌚ | ✓ |
| 4 | generateCustomerID() | ⌚ | ✓ |
| 5 | create | ⌚ | ✓ |
| 6 | addCustomerToDB(customer) | ⌚ | ✓ |
| 7 | Customer | ⌚ | ✓ |
| 8 | displayCustomerDetails(Customer) | ⌚ | ✓ |

Your answer is correct.

The correct answer is: 1 → validCustomerDetails(custDetails), 2 → initiateCustomer(custDetails), 3 → registerCustomerDetails(custDetails), 4 → generateCustomerID(), 5 → create, 6 → addCustomerToDB(customer), 7 → Customer, 8 → displayCustomerDetails(Customer)

[Finish review](#)



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Started on Sunday, 1 March 2020, 3:32 PM

State Finished

Completed on Sunday, 1 March 2020, 3:44 PM

Time taken 11 mins 47 secs

Marks 2.67/3.00

Grade 88.89 out of 100.00

Feedback Congratulations! You have passed by securing more than 80%.

Quiz navigation



Show one page at a time

Finish review

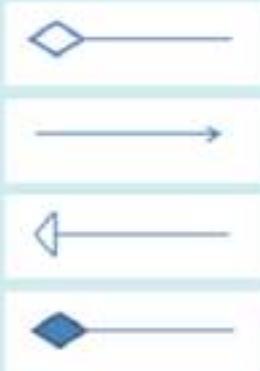
Question 1

Correct

Mark 1.00
out of 1.00

Flag
question

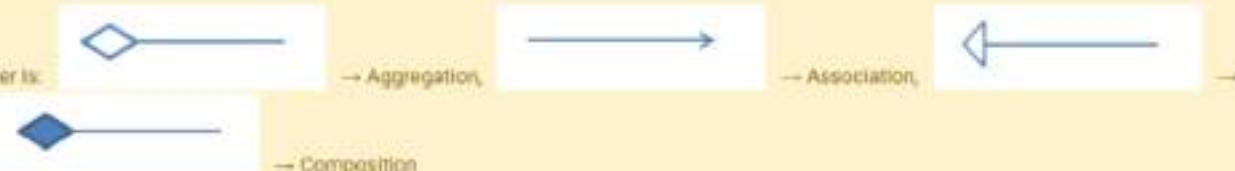
Match Class Relationship and its notation



- Aggregation ✓
- Association ✓
- Generalization ✓
- Composition ✓

Your answer is correct.

The correct answer is:



Question 2

Partially correct

Mark 0.67

A company wants to maintain their employees information along with their payroll details. Employees can be PermanentEmployee or ContractEmployee. The departments in the company are also maintained. The salary for the employee is calculated using a helper class.

From the given scenario, the classes identified are

- Employee
- PermanentEmployee

out of 1.00

Flag
question

- ContractEmployee
- Department
- PayrollCalculator

Identify the relation between the:

- Employee and Department
- Employee and PermanentEmployee
- Employee and PayrollCalculator

Employee and Department

Association

Employee and PayrollCalculator

Dependency

Employee and PermanentEmployee

Realization

Your answer is partially correct.

You have correctly selected 2.

The correct answer is: Employee and Department → Association, Employee and PayrollCalculator → Dependency, Employee and PermanentEmployee → Inheritance

Question 3

Correct

Mark 1.00

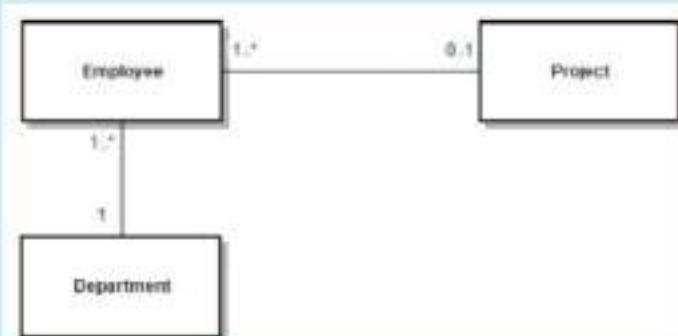
out of 1.00

Flag
question

Select the correct class diagram for the given scenario:

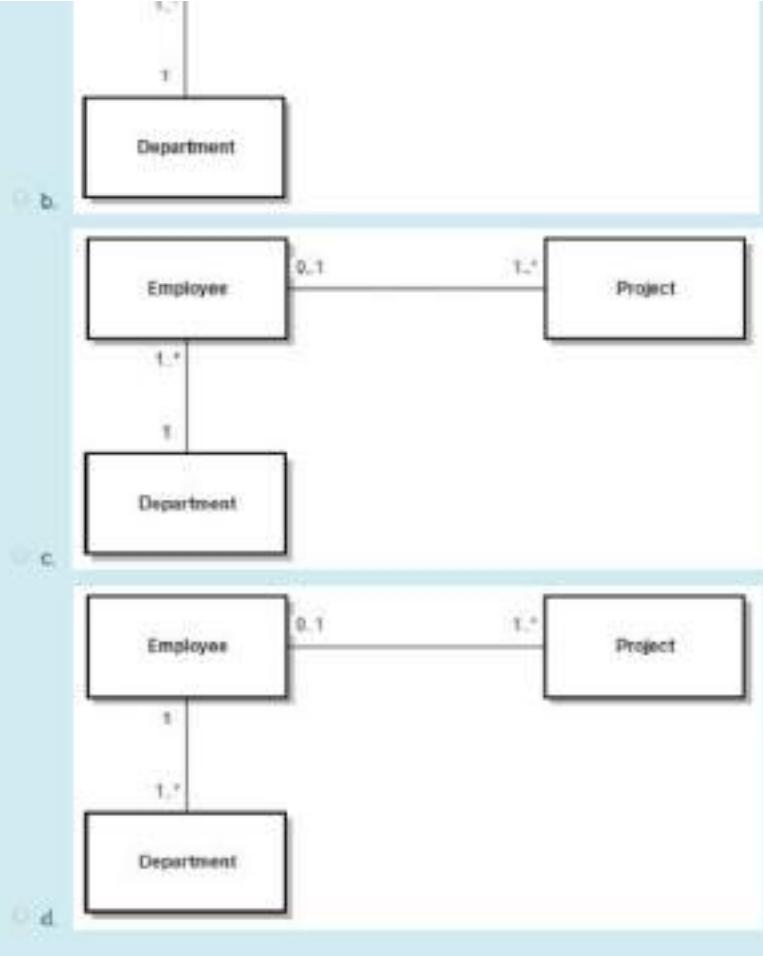
Employee can work for a project and project can be allocated to many employees. A fresher will undergo a training process and he/she will not be allocated to any project during the training phase. Every employee is allotted with a department at the time of joining.

Select one:

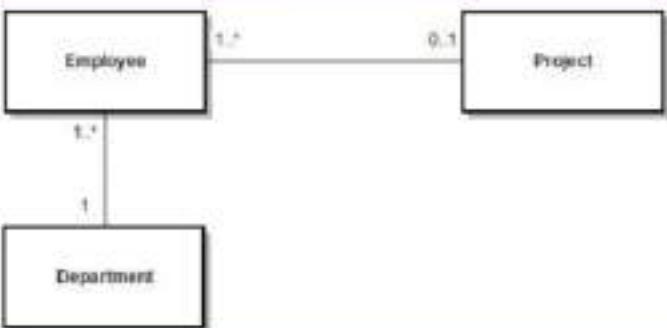


a.





Your answer is correct.



The correct answer is:



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Started on: Sunday, 1 March 2020, 3:30 PM

State: Finished

Completed on: Sunday, 1 March 2020, 3:30 PM

Time taken: 36 secs

Marks: 2.00/2.00

Grade: 100.00 out of 100.00

Feedback: Congratulations! You have passed by securing more than 80%.

Quiz navigation



Show one page at a time

Finish review

Question

1

Correct

Mark 1.00
out of 1.00

Flag
question

Identify, whether there is a relation between bill generation and cancel/postpone if present what type of relation from the given scenario.

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Holiday Package Division

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If the customer is a single traveler then 50% of the base rate is applicable. If there is a third traveler in addition to the couple, the extra person will have to

Incur a charge of 40% of the base rate. Any extra person will carry the same charge. However if the extra person is a child of the couple, then only 20% of the base rate is applicable. If the child is below the age of 5, then the company will not levy any fees, but all taxes will be levied.

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Fill the relation

| | |
|-------------------------------|--|
| <input type="radio"/> include | ✓ |
| <input type="radio"/> extend | <input type="radio"/> no direct relation |

Your answer is correct.

The correct answer is:

Identify, whether there is a relation between bill generation and cancel/postpone if present what type of relation from the given scenario

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Fill the relation [include]

Question 2

Correct

Mark 1.00
out of 1.00

Flag
question

Identify the actors from the given scenario for completing the usecase

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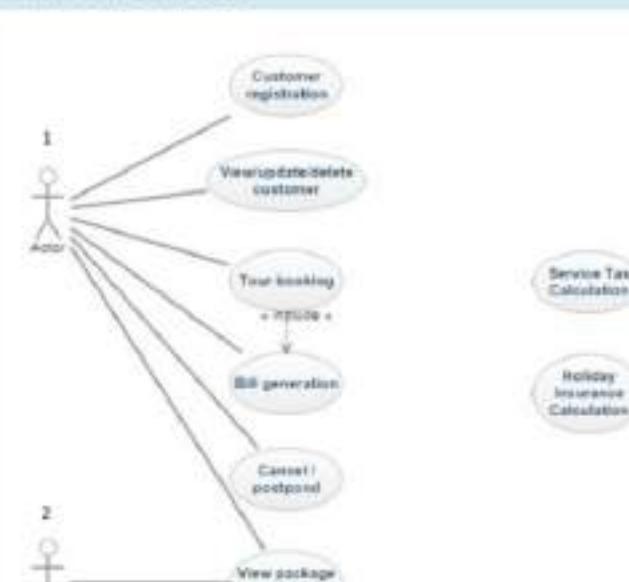
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Actor 1 Manager ✓
Actor 2 Customer Care Rep ✓

Customer Administrator

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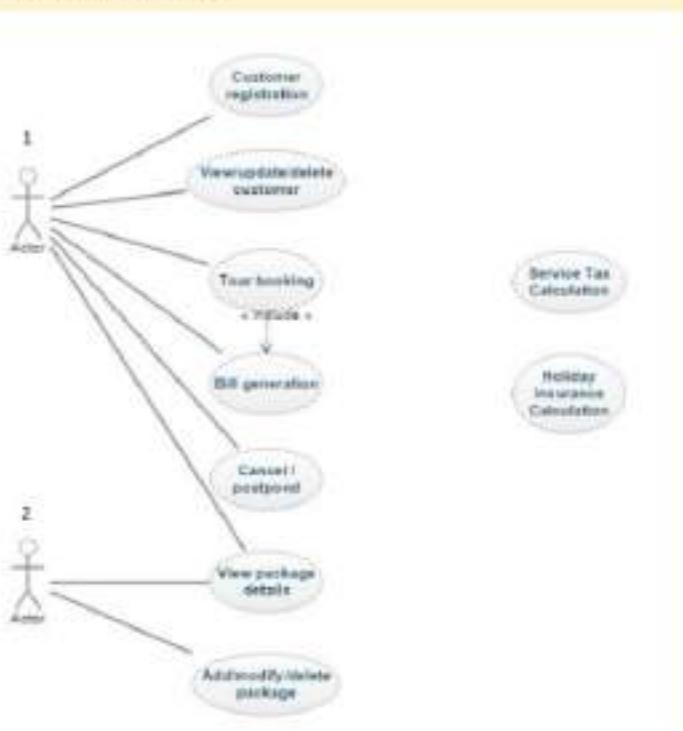
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Actor 1 [Manager]

Actor 2 [Customer Care Rep]

[Finish review](#)



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Algorithm Analysis and Design Concepts

General

Data Structure and Algorithms

Analysis of Algorithms

Dashboard

Help Desk

FAQs

Performance Dashboard

Started on Friday, 20 March 2020, 9:48 PM

State Finished

Completed on Friday, 20 March 2020, 9:51 PM

Time taken 3 mins. 18 secs.

Marks 4.00/5.00

Grade 80.00 out of 100.00

Feedback Congratulations! You have passed by securing more than 80%.

Quiz navigation



Finish review

Question 1

Correct

Mark 1.00
out of 1.00

Flag
question

Which of the following data structures are indexed structures?

Select one:

- Linear arrays ✓
- Tree
- Linked lists
- None of these options

Your answer is correct.

The correct answer is: Linear arrays

Question 2

Correct

Mark 1.00
out of 1.00

Flag
question

Rearrange the below algorithm for finding the Maximum of Three Numbers:

Input: Three numbers a, b, and c

Output: x, the largest Number

- ✓ procedure max(a, b, c)
- ✓ x:=a
- ✓ if b>x then
- ✓ x:=b
- ✓ if c>x then
- ✓ x:=c

return(x)

end max

Your answer is correct.

Question 3

Correct

Mark 1.00
out of 1.00

Flag
question

Consider the following code.

```
int number[] = new int[10];
```

After execution of this statement which of the following are true.

- i. number[0] is undefined
- ii. number[10] is 0
- iii. number[4] is null
- iv. number.length is 10

Select one:

- i and ii only
- iv only
- ii and iii only
- i and iv only

Your answer is correct.

The correct answer is: iv only

Question 4

Correct

Mark 1.00
out of 1.00

Flag
question

Predict the output:

```
public static void Main(String[] args) {
    int[] arr;
    arr = new int[5];
    arr[4]=40;
    Console.WriteLine(arr[2]);
    Console.WriteLine(" "+arr[4]);
}
```

Select one:

- 40 junk

- junk 40
- 0 40 ✓
- Compilation error

Your answer is correct.

The correct answer is: 0 40

Question 5

Incorrect

Mark 0.00
out of 1.00

Flag
question

Predict the output of following Program:

```
class Test {  
    protected int x, y;  
}  
  
public class MainClass {  
    public static void main(String[] args) {  
        Test t = new Test();  
        Console.WriteLine(t.x + " " + t.y);  
    }  
}
```

Select one:

- None of these options
- Compilation error ✘
- Throws runtime exception

0 0

Your answer is incorrect.

The correct answer is: 0 0

Finish review



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Started on Monday, 23 March 2020, 11:44 PM

State Finished

Completed on Monday, 23 March 2020, 11:51 PM

Time taken 6 mins 45 secs

Marks 6.00/6.00

Grade 100.00 out of 100.00

Feedback Congratulations! You have passed by securing more than 80%.

Question 1

Correct

Mark 1.00
out of 1.00

Flag question

Which of the following is a mathematical model with a collection of operations defined on that model and their implementations are hidden?

Select one:

- Primitive Data Type
- Abstract Data Type ✓
- Algorithm
- Data Structure

Your answer is correct.

The correct answer is: Abstract Data Type

Question 2

Correct

Mark 1.00
out of 1.00

Flag question

The post fix form of the expression $(A + B) * (C * D - E) * F / G$ is?

Select one:

- $AB + CD * E - * F * G /$
- $AB + CD * E - F ** G /$
- $AB + CD * E - FG / **$ ✓
- $AB + CDE * - * F * G /$

Your answer is correct.

The correct answer is: $AB + CD * E - FG / **$

Quiz navigation



Show one page at a time

Finish review

**Question
3**

Correct

Mark 1.00
out of 1.00Flag
question

Consider the usual algorithm for determining whether a sequence of parentheses is balanced. What is the maximum number of parentheses that will appear on the stack AT ANY ONE TIME when the algorithm analyzes: (O(O)(O))

Select one:

- 1
- 4
- 3 ✓
- 2

Your answer is correct.

The correct answer is: 3

**Question
4**

Correct

Mark 1.00
out of 1.00Flag
question

The process of accessing data stored in a serial access memory is similar to manipulating data on a particular data structure. Which is that data structure?

Select one:

- Heap
- Stack ✓
- Queue
- Binary tree

Your answer is correct.

The correct answer is: Stack

**Question
5**

Correct

Mark 1.00
out of 1.00Flag
question

Which of the following data structure is better for storing the sorted data on which often insert and deletion operations are performed?

Select one:

- Array
- Linked list ✓
- Queue
- Doubly linked-list

Your answer is correct.

The correct answer is: Linked list

**Question
6**

Correct

Mark 1.00
out of 1.00

Flag
question.

Let the following queue can accommodate maximum six elements with the following data:

front = 2; rear = 4;

queue = ____ , L, M, N, ____ ;

What will happen after an enqueue operation takes place?

Select one:

- front = 2 rear = 5
queue = ____ , L, M, N, O, ____ ✓
- front = 3 rear = 5
queue = L, M, N, O, ____ , ____
- front = 2 rear = 4
queue = L, M, N, O, ____ , ____
- front = 3 rear = 4
queue = ____ , L, M, N, O, ____

Your answer is correct.

The correct answer is: front = 2 rear = 5

queue = ____ , L, M, N, O

[Finish review](#)



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Started on: Tuesday, 18 February 2020, 1:13 AM

State: Finished

Completed on: Tuesday, 18 February 2020, 1:14 AM

Time taken: 32 secs

Marks: 4.00/5.00

Grade: 80.00 out of 100.00

Feedback: Congratulations! You have passed by securing more than 80%.

Quiz navigation



Finish review

Question

1

Incorrect

Mark 0.00
out of 1.00

Flag
question

You have to sort a list 'L' which consists of some sorted elements and few "random" elements. Which of the following sorting methods would be especially suitable for such a task?

Select one:

- Insertion sort
- Selection sort X
- Bubble sort
- Quick sort

Your answer is incorrect.

The correct answer is: Insertion sort

Question

2

Correct

Mark 1.00
out of 1.00

Flag
question

Time complexities of three algorithms are given. Which should execute the slowest for large values of N?

Select one:

- $O(\log N)$
- $O(n^2)$ ✓
- $O(N)$
- $O(2N)$

Your answer is correct.

The correct answer is: $O(n^2)$

Question 3

Correct

Mark 1.00
out of 1.00

Flag
question

Rearrange the below algorithm for Bubble Sort.
Input: A is the list of elements and n is the size of the list.
Output: A1, A2,...An, arranged in increasing order

```
✓ procedure bubbleSort(A,n)
✓ for i = 0 to n-1
✓   for j = 0 to n-i-1
✓     if A[j] > A[j+1]
✓       swap a[j] <-> A[j+1]
✓ .end bubbleSort
```

Your answer is correct.

Question 4

Correct

Mark 1.00
out of 1.00

Flag
question

What is the time complexity for executing merge sort on an array of size n which is already sorted is

Select one:

- O(n^2)
- O($n \log n$) ✓
- O($\log n$)
- O(n)

Your answer is correct.

The correct answer is: O($n \log n$)

Question 5

Correct

Mark 1.00
out of 1.00

Flag
question

If the given array is {6,2,5,1,9}, the 3rd number from the left while doing bubble sort in the 2nd iteration is

5



The correct answer is: 5

[Finish review](#)



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Algorithm Analysis and Design Concepts

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Analysis of Algorithms

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Started on Tuesday, 18 February 2020, 1:20 AM

State Finished

Completed on Tuesday, 18 February 2020, 1:21 AM

Time taken 1 min 28 secs

Marks 4.50/5.00

Grade 90.00 out of 100.00

Feedback Congratulations! You have passed by securing more than 80%.

Quiz navigation



Finish review

Question 1

Correct

Mark 1.00
out of 1.00

Flag question

Jane has created a special type of linked list. That linked list contains no NULL values in its links. If so, what type of linked list is Jane has created?

Select one:

- None of these options
- Doubly Linked List
- Circular Linked List
- Single Linked List

Your answer is correct.

The correct answer is: Circular Linked List

Question 2

Correct

Mark 1.00
out of 1.00

Flag question

Rearrange the below algorithm for computing n Factorial:

Input: n, an integer greater than or equal to 0

Output: n!

- procedure factorial(n)
- if n = 0 then
- return(1)
- return(n * factorial(n - 1))
- end factorial

Your answer is correct.

Question 3

Correct

Mark 1.00
out of 1.00

Flag
question

What is the purpose of the following code snippets?

```
for (int i = 0; i < arr.length-1; i++)  
{  
    for (int j = i+1; j < arr.length; j++)  
    {  
        if ((arr[i].equals(arr[j])) && (i != j))  
        {  
            System.out.println(arr[i]);  
        }  
    }  
}
```

Select one:

- Print the unique elements in the array
- Print the element with maximum frequency
- None of the these
- Print the duplicate elements in the array ✓

Your answer is correct.

The correct answer is: Print the duplicate elements in the array

Question 4

Correct

Mark 1.00
out of 1.00

Flag
question

Select the code snippet which performs unordered linear search iteratively?

Select one:

```
public int UnorderedLinearSearch(int[] arr, int size, int data)  
{  
    int index=0;  
    for(int i = 0; i <= size; i++)  
    {  
        if(arr[i] == data)  
        {  
            index = i;  
            break;  
        }  
    }  
    return index;  
}
```

public int UnorderedLinearSearch(int[] arr, int size, int data)

```
(  
    int index;  
    for(int i = 0; i < size; i++)  
    {  
        if(arr[i] == data)  
        {  
            break;  
        }  
    }  
    return index;  
}  
None of these options.  
+ public int UnorderedLinearSearch(int[] arr, int size, int data)  
{  
    int index=0;  
    for(int i = 0; i < size; i++)  
    {  
        if(arr[i] == data)  
        {  
            index = i;  
            break;  
        }  
    }  
    return index;  
}) ✓
```

Your answer is correct.

The correct answer is: public int UnorderedLinearSearch(int[] arr, int size, int data)

```
(  
    int index=0;  
    for(int i = 0; i < size; i++)  
    {  
        if(arr[i] == data)  
        {  
            index = i;  
            break;  
        }  
    }  
    return index;  
)
```

Question 5

Partially correct

Choose the scenario(s) when we need to use Linear search?

Select one or more:

Mark 0.00
out of 1.00

Flag
question

- Can use all the time
- None of these options
- When the list has only a few elements
- When performing a single search in an un-ordered list ✓

Your answer is partially correct.

You have correctly selected 1.

The correct answers are: When the list has only a few elements; When performing a single search in an un-ordered list

Finish review



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Started on Saturday, 29 February 2020, 4:53 PM

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Completed on Saturday, 29 February 2020, 4:58 PM

Time taken 5 mins 48 secs

Marks 8.00/9.00

Grade 88.89 out of 100.00

Feedback Congratulations! You have passed by securing more than 80%

Quiz navigation



Show one page at a time

Finish review

Question 1

Correct

Mark 1.00
out of 1.00

Flag
question

In a for loop, if the number of statements are greater than one, which of the following needs to be inserted at the beginning and the end of the loop?

Select one:

- a. Parenthesis()
- b. Square bracket []
- c. French curly braces() ✓
- d. Arrows<>

Your answer is correct.

The correct answer is: French curly braces()

Question 2

Correct

Mark 1.00
out of 1.00

Flag
question

Using Java we can develop _____

Select one:

- a. Desktop Application
- b. Web Application
- c. Both the options ✓
- d. None of these options

Your answer is correct.

The correct answer is: Both the options

Question 3

Correct

Mark 1.00
out of 1.00

Flag
question

The main method in java should _____.

Select one:

- a. be private static
- b. be public static ✓
- c. return int
- d. take boolean[] as argument

Your answer is correct.

The correct answer is: be public static

Question 4

Correct

Mark 1.00
out of 1.00

Flag
question

Identify the features of java.

Select one:

- a. Direct Access to memory using pointers
- b. Exception Handling
- c. Less security
- d. Multi threading ✓

Your answer is correct.

The correct answers are: Exception Handling, Multi threading

Question 5

Correct

Mark 1.00
out of 1.00

Flag
question

The break statement cannot be present for _____ construct.

Select one:

- a. do while
- b. for
- c. if ✓
- d. while

Your answer is correct.

The correct answer is:

if

Question 6

Incorrect

Mark 0.00
out of 1.00

Flag question

JRE comprises of _____ and _____

Select one or more

- a. JVM ✓
- b. API
- c. JDK
- d. tools ✗

Your answer is incorrect.

The correct answers are: API
, JVM

Question 7

Correct

Mark 1.00
out of 1.00

Flag question

What will be the output of the program?

```
public class Sample {  
    final static short a = 2;  
    public static int b = 0;  
    public static void main(String [] args) {  
        for (int c=0; c < 4; c++)  
        {  
            switch (c) {  
                case a: System.out.print("a ");  
                default: System.out.print("default ");  
                case a-1: System.out.print("a-1 ");  
                    break;  
                case a-2: System.out.print("a-2 ");  
            }  
        }  
    }  
}
```

Select one:

- a
a-2 a-1 a default a-1 default a-1 ✓
- b

- a-2 a-1 a default default
- b. a default a-1
- c.
- d-2 a-1 a default a-1

Your answer is correct.

The correct answer is:

a-2 a-1 a default a-1 default a-1

Question 8

Correct

Mark 1.00
out of 1.00

Flag
question

The _____ statement causes the program execution to stop and JVM to shut down.

Select one:

- a. exit
- b. break
- c. return
- d. System.exit() ✓

Your answer is correct.

The correct answer is:

System.exit()

Question 9

Correct

Mark 1.00
out of 1.00

Flag
question

A continue statement makes the execution jump to _____.

Select one:

- a. the end of the loop
- b. the statement just after continue
- c. the first statement of the loop
- d. the next iteration of the loop ✓

Your answer is correct.

continue statement can be used in loops. It causes the loop to skip that particular iteration and jump to the next iteration of the loop.

The correct answer is: the next iteration of the loop

Finish review



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Started on Friday, 31 January 2020, 6:52 PM

State Finished

Completed on Friday, 31 January 2020, 6:53 PM

Time taken 1 min 44 secs

Marks 6.00/7.00

Grade 85.71 out of 100.00

Feedback Congratulations! You have secured more than 80%

Quiz navigation



Show one page at a time

Finish review

Question

1

Incorrect

Mark 0.00
out of 1.00

Flag
question

State true or false. Java is a structured programming language.

Select one:

True ✗

False

The correct answer is 'False'.

Question

2

Correct

Mark 1.00
out of 1.00

Flag
question

To compile, debug and execute a program written in java, _____ is required.

Select one:

a. JDK ✓

b. JRE

c. JVM

d. JIT

Your answer is correct.

The correct answer is: JDK

Question

3

JVM is independent of OS

Correct

Mark 1.00

out of 1.00

Flag

question

Select one:

True

False ✓

The correct answer is 'False'.

Question

4

Correct

Mark 1.00

out of 1.00

Flag

question

How was Java initially named?

Select one:

a. The Oak ✓

b. Algol

c. COBOL

d. GreenTalk

Your answer is correct.

The correct answer is: The Oak

Question

5

Correct

Mark 1.00

out of 1.00

Flag

question

What is Polymorphism?

Select one:

a. hiding the properties

b. ability to acquire the properties

c. blueprint for an object

d. ability to have many forms ✓

Your answer is correct.

The correct answer is: ability to have many forms

Question

6

Correct

Java is _____

Select one:

Mark 1.00
out of 1.00

Flag
question

- a. Platform dependent
- b. Platform independent ✓

Your answer is correct.

The correct answer is: Platform independent

Question 7

Correct

Mark 1.00
out of 1.00

Flag
question

Who is the father of Java?

Select one:

- a. Donald Knuth
- b. James Gosling ✓
- c. Jim Gray
- d. Dennis Ritchie

Your answer is correct.

The correct answer is: James Gosling

Finish review



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Started on Saturday, 22 February 2020, 10:26 PM

State Finished

Completed on Saturday, 22 February 2020, 10:30 PM

Time taken 3 mins 58 secs

Marks 11.00/11.00

Grade 100.00 out of 100.00

Feedback Congratulations!!! You have passed by securing more than 80%

Question**1**

Correct

Mark 1.00
out of 1.00Flag
question

What will be the output of the program?

```
int i = 1, j = -1;
switch () {
    case 0, 1: j = 1; /* Line 4 */
    case 2: j = 2;
    default: j = 0;
}
System.out.println("i = " + i);
```

Select one:

- a. Compilation fails. ✓
- b. j = 0
- c. j = -1
- d. j = 1

One can not specify multiple case labels with commas, as in line 4. Hence compilation error.

The correct answer is: Compilation fails.

Question**2**

Correct

Mark 1.00
out of 1.00Flag
question

What is the output of this program?

```
1. class Crivitch {
2.     public static void main(String [] args) {
3.         int x = 10;
4.         int y=11. ✓
5.         do ( ) while (x++ < y);
6.         System.out.println(x);
7.     }
```

Quiz navigation[Show one page at a time](#)[Finish review](#)

8. }

Which statement, inserted at line 4, produces the output 12?

int y=10;

int y=12; int y=13;

The output expected is 12 (value of x). In line 5, the condition has to fail when the value of x is 11 (x gets incremented by 1 only after the condition checking).

If the condition has to fail when the value of x is 11, then y (the value which is going to remain unchanged in all stages) has to be 11.

The correct answer is:

What is the output of this program?

```
1. class Crivitch {  
2.     public static void main(String [] args) {  
3.         int x = 10;  
4.         int y=11;  
5.         do { } while (x++ < y);  
6.         System.out.println(x);  
7.     }  
8. }
```

Which statement, inserted at line 4, produces the output 12?

Question 3

Correct

Mark 1.00
out of 1.00

Flag
question

What will be the output of the program?

Given:

```
10. int x = 0;  
11. int y = 10;  
12. do {  
13.     y++;  
14.     ++x;  
15. } while (x < 5);  
16. System.out.print(x + ":" + y);
```

What is the result?

Select one:

a. 6,6

b. 6,5

c. 5,5 ✓

x is assigned 0 and y, 10 initially. During each iteration x is incremented by 1 and y is decremented by 1. The iteration stops when x equals 5. At this stage y also would have reached the value 5. Hence the output 5 5.

The correct answer is: 5,5

Question 4

Correct

Mark 1.00
out of 1.00

Flag question

for do looping structure should be used when the iterations are known.

Your answer is correct.

The correct answer is:

[for] looping structure should be used when the iterations are known.

Question 5

Correct

Mark 1.00
out of 1.00

Flag question

do-while loops will execute the body of loop even when condition controlling the loop is initially false.

while for

In a do-while loop, the condition controlling the loop is checked only after executing the body of the loop once.

The correct answer is:

[do-while] loops will execute the body of loop even when condition controlling the loop is initially false.

Question

6

Correct

Mark 1.00
out of 1.00Flag
question

The break statement causes an exit _____

Select one or more:

- a. none of the options
- b. from the innermost switch. ✓
- c. from the innermost loop ✓
- d. from the program.

Your answer is correct.

The correct answers are: from the innermost switch, from the innermost loop

Question**7**

Correct

Mark 1.00
out of 1.00Flag
question

What will be the output of the program?

```
for(int i = 0; i < 3; i++)  
{  
    switch(i)  
    {  
        case 0: break;  
        case 1: System.out.print("one ");  
        case 2: System.out.print("two ");  
        case 3: System.out.print("three ");  
    }  
}  
System.out.println("done");
```

Select one:

- a. one two done one two done
- b. one two three done
- c. done
- d. one two three two three done ✓

Switch takes the values 0, 1 and 2.

Case 0 has nothing to execute.

Execution of Case 1 is followed by 2 and 3 since there's no break statement encountered. So, one two thru.

Execution of Case 2 is followed 3 since there's no break statement encountered like before. So, two three.

This is followed by "done".

The correct answer is: one two three two three done

Question 8

Correct

Mark 1.00
out of 1.00

Flag
question

What is the output of this program?

```
class selection_statements {  
    public static void main(String args[]) {  
        int var1 = 5;  
        int var2 = 6;  
        if ((var2 = 1) == var1)  
            System.out.print(var2);  
        else  
            System.out.print(++var2);  
    }  
}
```

Select one:

- a. 4
- b. 3
- c. 1
- d. 2 ✓

Observe the if construct. var2 is assigned 1. 1 does not equal 5, hence else block will get executed. Pre increment to var2 results in 2 (var2 variable now has the value 1, not 6). Hence 2 gets printed.

The correct answer is: 2

Question 9

Correct

Mark 1.00
out of 1.00

Flag
question

French curly braces {} is a must if the for loop executes more than one statement. State true or false.

Select one:

- True ✓
- False

The correct answer is 'True'.

Question 10

Correct

Mark 1.00
out of 1.00

Flag
question

What value is stored in i at the end of this loop?

```
for(int i=1;i<=10;i++)
```

Select one:

- a. 11 ✓
- b. 10
- c. 9
- d. 1

The program control will exit the for loop only when the condition specified in the for loop has failed. Hence, the value of i will be 11.

The correct answer is: 11

Question 11

Correct

Mark 1.00
out of 1.00

Flag
question

Fill in with appropriate datatype.

```
switch( byte ..... )  
{  
    case value1:  
    case value2:  
        .....  
  
    default:  
        System.out.println("Hello");  
}
```

Switch in java works with primitive data types byte, short, char and int;
wrapper classes like Character, Byte, Short and Integer;
enumerated types (added in java 5) and String class (added in java 7)

The correct answer is:

Fill in with appropriate datatype.

```
switch([byte])  
{  
    case value1:  
    case value2:  
        .....  
}
```

```
default:  
    System.out.println("Hello");  
}
```

[Finish review](#)



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Started on Saturday, 29 February 2020, 4:29 PM

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Completed on Saturday, 29 February 2020, 4:30 PM

Time taken 1 min 20 secs

Marks 4.00/4.00

Grade 100.00 out of 100.00

Feedback Congratulations! You have passed by securing more than 80%

Quiz navigation



Show one page at a time

Finish review

Question

1

Correct

Mark 1.00
out of 1.00

Flag
question

State True or False.

When typing the code in code editor, it fixes the compilation error. It also assists in how to fix that error.

Select one:

- a. False
- b. True ✓

The correct answer is: True

Question

2

Correct

Mark 1.00
out of 1.00

Flag
question

We can move an already existing project in eclipse to another location by compressing it. This we call as _____ the project.

Select one:

- a. Importing
- b. Exporting ✓

The correct answer is: Exporting

Question

3

In Eclipse, the plugin that is needed for Java Development is _____

Select one:

Correct
Mark 1.00
out of 1.00

Flag
question

- a. JavaPlugin
- b. PyDev
- c. CDT
- d. JDT ✓

The correct answer is: JDT

Question 4

Correct

Mark 1.00
out of 1.00

Flag
question

A project developed on one machine can be included in the current workspace by _____ that project.

Select one:

- a. Importing ✓
- b. Exporting.

The correct answer is: importing

[Finish review](#)



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Started on Saturday, 29 February 2020, 4:23 PM

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Completed on Saturday, 29 February 2020, 4:27 PM

Time taken 4 mins 11 secs

Marks 8.00/8.00

Grade 100.00 out of 100.00

Feedback Congratulations! You have passed by securing more than 80%

Quiz navigation



Show one page at a time

Finish review

Question 1

Correct

Mark 1.00
out of 1.00

Flag question

Which edition of java is used for developing web application?

Select one:

- a. J2ME
- b. J2EE ✓
- c. J2SE
- d. All these options

Your answer is correct.

The correct answer is: J2EE

Question 2

Correct

Mark 1.00
out of 1.00

Flag question

Predict the output

```
int a=0;  
if(a)  
    System.out.println( "Hello");  
else  
    System.out.println("Hai");
```

Select one:

- a. Compilation Fails ✓
- b. Hello
- c. Hai

- d. Need to include the braces {} for the code to work

Your answer is correct.

The correct answer is: Compilation Fails

Question 3

Correct

Mark 1.00

out of 1.00

Flag question

State True or False

For compiling a java code we have separate compilers for different OS.

Select one:

- True
- False ✓

The correct answer is 'False'.

Question 4

Correct

Mark 1.00

out of 1.00

Flag question

_____ generates the byte code for a given file with .java extension.

Select one:

- a. JRE
- b. JDK ✓
- c. JVM

Your answer is correct.

The correct answer is: JDK

Question 5

Correct

Mark 1.00

out of 1.00

Flag question

State True or False

For compiling a java code we have separate compilers for different OS.

Select one:

- True
- False ✓

The correct answer is 'False'

Question 6

Correct

Mark 1.00
out of 1.00

Flag
question

What will be the output of the program?

```
public class Sample
{
    public static void main(String [] args)
    {
        int i = 10;
        do{while ( i < 10 )
            System.out.print("The value of i is " + i);
        while ( i > 10 );
    }
}
```

Select one:

- a. The value of i is 10
- b. No output is produced ✓
- c. The value of i is 10 The value of i is 10
- d. Compilation error

Your answer is correct.

The statement for the do..while block is - while(i<10) then print value of i. As condition is false, this statement doesn't get executed. Also while condition for the do..while loop is i > 10. This also results in false. So it comes out of the loop.

The correct answer is: No output is produced

Question 7

Correct

Mark 1.00
out of 1.00

Flag
question

Who executes the byte code in java?

Select one:

- a. JDK
- b. OS
- c. JVM ✓
- d. JRE

Your answer is correct.

The correct answer is: JVM

Question 8

Correct

Mark 1.00
out of 1.00

Flag
question

Which of the following options remain true for case constants in a switch construct?

Select one:

- a. If no case matches and there is no default label, then no further action is taken and the switch statement completes abnormally
- b. If no case matches and there is no default label, then it will result in a compilation error
- c. If no case matches but there is a default label, then all statements after the matching default label in the switch block are executed in sequence.
- d. If any one of the case constants has a match with the expression, then all statements after the matching case label in the switch block are executed in sequence ✓
- e. The code with the switch construct gives a compilation error when there is a duplicate case label

Your answer is correct.

The correct answers are: If no case matches but there is a default label, then all statements after the matching default label in the switch block are executed in sequence . The code with the switch construct gives a compilation error when there is a duplicate case label . If any one of the case constants has a match with the expression, then all statements after the matching case label in the switch block are executed in sequence

[Finish review](#)



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Java



Introduction To Java

Classes and Objects,
PackagesInheritance, Polymorphism,
Abstract class, InterfaceCollection, Generics and
Stream API

Help Desk

FAQs

Performance Dashboard

Started on Sunday, 1 March 2020, 9:44 PM

State Finished

Completed on Sunday, 1 March 2020, 9:50 PM

Time taken 6 mins 31 secs

Marks 8.00/8.00

Grade 100.00 out of 100.00

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Quiz navigation

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Finish review

Question 1

Correct

Mark 1.00
out of 1.00Flag
question

Given classes defined in two different files:

1. package p1;
2. public class Test {
3. public static void display(String[] a) { /* some code */ }
4. }

1. package p2;
2. public class TestMain {
3. public static void main(String[] args) {
4. String[] names = new String[10];
5. // insert code here
6. }
7. }

Identify the statement to be written in line 5 in class TestMain to call the display method of class Test.

Select one:

- a. p1.display(names);
- b. import p1.Test.*; display(names);
- c. TestMain cannot use methods in p1
- d. display(names);
- e. p1.Test.display(names); ✓

Your answer is correct.

The correct answer is: p1.Test.display(names);

Question 2

Correct

Mark 1.00
out of 1.00

Flag
question

The methods of a class with the _____ access specifier cannot be accessed in its subclass class of different package.

Select one:

- a. protected
- b. public
- c. default ✓

Your answer is correct.

We call the access specifier default as "package level access" because, in a class, members declared as default can be accessed only within the package in which it is declared.

The correct answer is: default

Question 3

Correct

Mark 1.00
out of 1.00

Flag
question

Observe the code

```
public class Sample {  
    public static void main(String [] args) {  
        int x = 6;  
        Sample p = new Sample();  
        p.display(x);  
        System.out.print(" main x = " + x);  
    }  
    void display(int x) {  
        System.out.print(" display x = " + x++);  
    }  
}
```

Given in command line - java Sample - What is the result?

Select one:

- a.
display x = 6 main x = 5 ✓
- b.

- display x = 7 main x = 6
- a. display x = 6 main x = 7
 - b. display x = 7 main x = 7
 - c. Compilation fails.
 - d. An exception is thrown at runtime.

Your answer is correct.

The correct answer is:

display x = 6 main x = 6

Question 4

Correct

Mark 1.00
out of 1.00

 Flag
question

Given:

```
public class Message {  
    String msg;  
    int noOfWords;  
    public Message() {  
        msg += " Thank you";  
    }  
    public Message(int noOfWords) {  
        this.noOfWords = noOfWords;  
        msg = "Welcome";  
        Message();  
    }  
    public static void main(String args[]) {  
        Message m = new Message(5);  
        System.out.println(m.msg);  
    }  
}
```

What will be the output ?

Select one:

- a. Welcome Thank you 5
- b. Compilation fails ✓
- c. An exception is thrown at runtime
- d. Welcome

- e. Welcome Thank you
- f. The code runs with no output

Your answer is correct.

The correct answer is: Compilation fails

Question 5

Correct

Mark 1.00
out of 1.00

Flag question

Which of the following is not a Java modifier?

Select one:

- a. virtual ✓
- b. private
- c. protected
- d. public

Your answer is correct.

The correct answer is: virtual

Question 6

Correct

Mark 1.00
out of 1.00

Flag question

What is the outcome of the code?

```
public class Item {  
    private String description;  
    public String getDescription() {  
        return description;  
    }  
    public void setDescription(String description) {  
        this.description = description;  
    }  
    public static void modifyDesc(Item item, String desc) {  
        item=new Item();  
        item.setDescription(desc);  
    }  
    public static void main(String[] args) {  
        Item it=new Item();  
        it.setDescription("Gobstopper");  
        Item it2=new Item();
```

```
    it2.setDescription("Fizzylifting");
    it.modifyDesc(it,"Scrumdiddlyumptious");
    System.out.println(it.getDescription());
    System.out.println(it2.getDescription());
}
}
```

Select one:

- a. Scrumdiddlyumptious
Fizzylifting
- b. Gobstopper
Scrumdiddlyumptious
- c. Gobstopper
Fizzylifting ✓
- d. Compilation fails
- e. Scrumdiddlyumptious

Your answer is correct.

The correct answer is: Gobstopper
Fizzylifting

Question 7

Correct

Mark 1.00
out of 1.00

 Flag
question

```
Integer x1 = new Integer(120);
int x2 = 120;
System.out.println( x1 == x2 );
```

What will be the output of the above code fragment?

Select one:

- a. Compilation Error
- b. Runtime Exception
- c. CastException
- d. false
- e. true ✓

Your answer is correct.

The correct answer is: true

**Question
8**

Correct

Mark 1.00
out of 1.00

Flag
question

Predict the output.

```
class X
{
    void display(int a)
    {
        System.out.println("INT");
    }

    void display(double d)
    {
        System.out.println("DOUBLE");
    }
}

public class Sample
{
    public static void main(String[] args)
    {
        new X().display(100);
    }
}
```

Select one:

- a. Compilation fails
- b. Ambiguity error
- c. DOUBLE
- d. INT ✓

Your answer is correct.

The correct answer is: INT

[Finish review](#)



Started on Saturday, 22 February 2020, 10:52 PM

State Finished

Completed on Saturday, 22 February 2020, 10:52 PM

Time taken 34 secs

Marks 5.00/5.00

Grade 100.00 out of 100.00

Feedback Congratulations! You have passed by securing more than 80%

Quiz navigation



Show one page at a time

Finish review

Question
1

Correct

Mark 1.00
out of 1.00Flag
question

Predict the output.

```
public class Test {  
    public static void main(String args[]) {  
        int a = 2, b = 0;  
        for (; b < 20; ++b) {  
            if (b % a == 0)  
                continue;  
            else if (b == 10)  
                break;  
            else  
                System.out.print(b + " ");  
        }  
    }  
}
```

Select one:

- a. Code executes but gives no output
- b. 1 3 5 7 9 11 13 15 17 19 ✓
- c. 1 3 5 7 9
- d. 2 4 6 8 12 14 16 18

Your answer is correct.

The correct answer is:

1 3 5 7 9 11 13 15 17 19

Question 2

Correct

Mark 1.00
out of 1.00

Flag
question

In Eclipse IDE, if we provide a workspace, it should already exist. If not, it will not open.

Select one:

- True
- False ✓

The correct answer is 'False'.

Question 3

Correct

Mark 1.00
out of 1.00

Flag
question

State True or False

When using eclipse whichever classes are needed for the present class can be imported automatically.

Select one:

- True ✓
- False

The correct answer is 'True'.

Question 4

Correct

Mark 1.00
out of 1.00

Flag
question

What will be the output of the following code?

```
int i=20;  
if(i>10)  
{  
    System.out.println("The value of i is "+i);  
    i++;  
    if(i%2==0)  
        break;  
}
```

Select one:

- a. The value of i is 20
- b. The value of i is 10
- c. Compilation fails ✓
- d. Code compiles but will not execute

Your answer is correct.

The correct answer is: Compilation fails

Question 5

Correct

Mark 1.00
out of 1.00

Flag
question

```
switch(a)
{
    default:
        System.out.println("Welcome");
}
```

Of which data types can the variable 'a' be?

- 1. long
- 2. byte
- 3. int
- 4. char
- 5. float
- 6. short

Select one:

- a.
- b.
- c.
- d.
- e. 2, 3, 4 and 6 ✓

Your answer is correct.

The correct answer is:

2, 3, 4 and 6

[Finish review](#)



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Started on Monday, 3 February 2020, 1:34 AM

State Finished

Completed on Monday, 3 February 2020, 1:35 AM

Time taken 59 secs

Marks 4.00/5.00

Grade **80.00** out of 100.00

Feedback Congratulations!!! You have passed by securing more than 80%

Question 1

Correct

Mark 1.00 out
of 1.00

Given the below code :

`import static java.lang.Math.PI;` ✓

```
public class AreaCalculator {  
    public double calculateArea(double radius) {  
        double area = PI * radius * radius; //Instead of Math.PI  
        return area;  
    }  
}
```

Drag and drop the correct statement to use the static variable PI.

`import java.lang.Math.PI;`

`import static java.lang.Math;`

Your answer is correct.

The correct answer is:

Given the below code :

[`import static java.lang.Math.PI;`]

```
public class AreaCalculator {  
    public double calculateArea(double radius) {  
        double area = PI * radius * radius; //Instead of Math.PI  
        return area;  
    }  
}
```

Drag and drop the correct statement to use the static variable PI.

Incorrect
Mark 0.00 out
of 1.00

```
package p1;
public class Calculator {
    static void calculate(){
        //some code here
    }
}
```

```
package p2;
import p1.Calculator;
public class CalculatorService {
    public void display(){
        Calculator.calculate();
    }
}
```

What can be the valid access specifier for the calculate method in Calculator class so that it can be accessed from CalculatorService class?

Select one:

- a. default ✗
- b. protected
- c. private
- d. Any access specifier except private
- e. public

If a method defined within a class in one package has to be invoked from outside, then that method has to be declared public.

The correct answer is: public

Question
3
Correct
Mark 1.00 out
of 1.00

Given the class Book and Library in two different packages :

1. package model;
2. public class Book {
3. private static void countBook() { }
4. }

1. package util;
2. public class Library {
3. public static void main(String[] args) {
4. // insert code here
5. }
6. }

What is required at line 4 in class Library to use the countBook method of Book class?

Select one:

- a. model.Book.countBook();
- b. util.Library.countBook();
- c. Book.countBook();
- d. countBook();
- e. Library class cannot use the countBook method in Book class. ✓

countBook() cannot be invoked since the method is declared private.

The correct answer is: Library class cannot use the countBook method in Book class.

Correct

Mark 1.00 out
of 1.00

package test;

import java.util.Scanner;

public class Main

//Some code here
}

Your answer is correct.

Question 5

Correct

Mark 1.00 out
of 1.00

Given the class Book in packages p1 and class Main in package p2. In main to create an object of Book, which of the following are valid.

Select one:

- a. p1.Book bookObj=new Book();
- b. p1.Book bookObj=new p1.Book(); ✓
- c. Book bookObj=new Book();

Since the Book class is present within p1 package, it has to be accessed as "p1.Book", everytime, from package p2.

The correct answer is: p1.Book bookObj=new p1.Book();

Started on Saturday, 29 February 2020, 4:33 PM

State Finished

Completed on Saturday, 29 February 2020, 4:38 PM

Time taken 4 mins 25 secs

Marks 7.33/8.00

Grade 91.67 out of 100.00

Feedback Congratulations!! You have passed by securing more than 80%

Quiz navigation



Show one page at a time

Finish review

Question 1

Correct

Mark 1.00
out of 1.00

Flag question

___ and ___ are the access specifiers that can be applied to top level Class.

Select one or more:

- a. default ✓
- b. virtual
- c. public ✓
- d. protected

Your answer is correct.

The correct answers are: default, public

Question 2

Correct

Mark 1.00
out of 1.00

Flag question

```
class Sample{  
    private double num = 100;  
    private int square(int a){  
        return a*a;  
    }  
}  
  
public class Test{  
    public static void main(String args[]){  
        Sample obj= new Sample();  
        System.out.println(obj.num);  
        System.out.println(obj.square(10));  
    }  
}
```

Select one:

- a. Run time error
- b. 100
- c. Executes but no output
- d. Compile time error ✓

Your answer is correct.

The correct answer is: Compile time error

Question 3

Correct

Mark 1.00
out of 1.00

Flag question

Choose the appropriate access specifier for the attribute value so that it can be accessed from anywhere.

```
class Test
{
    public:  int value;
}
```

Your answer is correct.

The correct answer is:

Choose the appropriate access specifier for the attribute value so that it can be accessed from anywhere.

```
class Test
{
    [public] int value;
}
```

Question 4

Correct

Mark 1.00
out of 1.00

Flag question

Choose the appropriate return type for the getters and setters provided below.

```
class Test
{
    private int value;

    public: void  setValue(int value){//some code}

    public: int  getValue(){//some code}
}
```

Your answer is correct.

The correct answer is:

Choose the appropriate return type for the getters and setters provided below.

```
class Test
{
    private int value;
    public [void] setValue(int value){//some code}
    public [int] getValue(){//some code}
}
```

Question 5

Partially correct

Mark 0.33
out of 1.00

Flag question

Analyze the below program, and fill the correct code so that it produces the below output:

```
0.0
101

public class Book {
    private int bookId;
    private double bookPrice;
    public int getBookId() {
        return bookId;
    }
    public void setBookId(int bookId) {
        this.bookId = bookId;
    }
    public double getBookPrice() {
        return bookPrice;
    }
    public void setBookPrice(double bookPrice) {
        this.bookPrice = bookPrice;
    }
}
```

```
class Test
{
    public static void main(String a[])
    {
        Book bobj=new Book();
        bobj.setBookid(101);
        System.out.println(bobj.getBookPrice());
        System.out.println(bobj.getBookid());
    }
}
```

| | |
|--|---|
| bobj.setBookid(101); | ✗ |
| System.out.println(bobj.getBookPrice()); | ✗ |
| System.out.println(bobj.getBookid()); | ✓ |

Your answer is partially correct.

Once we create an object, the default value will be assigned for each attribute. First print the values, then set the values and again print the values.

You have correctly selected 1.

The correct answer is: Analyze the below program, and fill the correct code so that it produces the below output:

0.0

101

```
public class Book {  
    private int bookId;  
    private double bookPrice;  
    public int getBookId() {  
        return bookId;  
    }  
    public void setBookId(int bookId) {  
        this.bookId = bookId;  
    }  
    public double getBookPrice() {  
        return bookPrice;  
    }  
    public void setBookPrice(double bookPrice) {  
        this.bookPrice = bookPrice;  
    }  
}  
  
class Test  
{  
    public static void main(String a[])  
    {  
        Book bobj=new Book();  
        [System.out.println(bobj.getBookPrice());]  
        [bobj.setBookId(101);]  
        [System.out.println(bobj.getBookId());]  
    }  
}
```

Question 6

Consider the below code snippet and determine the output.

```
class Student {  
    private int studentId;  
    private float average;  
}  
  
class Test
```

Correct

Mark 1.00
out of 1.00

Flag Question

```
public static void main(String s[])
{
    Student s=new Student();
    s.studentid=123;
    System.out.println(s.studentid);
}
```

Select one:

- a. 0
- b. Any value
- c. Compile time error ✓
- d. 1

Your answer is correct.

Private variables can be accessed only within the class. They cannot be accessed outside the class.

The correct answer is: Compile time error

Question 7

Correct

Mark 1.00
out of 1.00

 Flag
question

The below code snippet shows an error

cannot find symbol:

```
System.out.println("Bookid:" + bobj.getId());
public class Book {
    private int bookId;
    private double bookPrice;
    public int getBookId() {
        return bookId;
    }
    public void setBookId(int bookId) {
        this.bookId = bookId;
    }
    public double getBookPrice() {
        return bookPrice;
    }
    public void setBookPrice(double bookPrice) {
        this.bookPrice = bookPrice;
    }
}
```

```
}

public class Test {
    public static void main(String[] args) {
        Book bobj=new Book();

        bobj.setBookId(123);
        bobj.setBookPrice(500);
        System.out.println("BookId:"+bobj.getId());
        System.out.println("BookPrice:"+bobj.getBookPrice());
    }
}
```

Analyze the above code and select the correct reason for the error.

Select one:

- a. getId method is not present in the book class ✓
- b. Getter method should not be called inside System.out.println
- c. "+" symbol should not be used in System.out.println
- d. bobj is not initialized

Your answer is correct.

When we specify the methodname or variablename or classname wrongly then we will get an error "cannot find symbol". The compiler tries to fetch the methodname "getId" from the book class, where it is not defined.

The correct answer is: getId method is not present in the book class

Question 8

Correct

Mark 1.00
out of 1.00

Flag
question

Arrange the code in the correct sequence, so that the program compiles successfully.

```
✓ public class Employee {
    private int employeeId;
    private float salary;

    ✓ public void setSalary(float salary1) {
        ✓ if(salary>0){
            salary=salary1;
        }
    }
}
```

Your answer is correct.

The purpose of the setter method is to set a valid value for the attribute, by doing the necessary validations.

[Finish review](#)



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Started on: Monday, 24 February 2020, 1:48 AM

State: Finished

Completed on: Monday, 24 February 2020, 1:49 AM

Time taken: 53 secs

Marks: 4.67/5.00

Grade: 93.33 out of 100.00

Feedback: Congratulations!!! You have passed by securing more than 80%

Quiz navigation



Finish review

Question

1

Correct

Mark 1.00
out of 1.00

Flag
question

Drag and Drop the code so that the constructor for Student class is overloaded correctly.

```
public class Student {  
    private int studentId;  
    private String name;  
    private float grade;  
  
    public Student(int studentId, String name) {  
        this.studentId = studentId; this.name = name; }  
  
    public Student(int studentId, String name, float grade) {  
        this(studentId, name);  
        this.grade = grade; }  
}
```

Your answer is correct.

The correct answer is:

Drag and Drop the code so that the constructor for Student class is overloaded correctly

```
public class Student {  
    private int studentId;  
    private String name;  
    private float grade;  
  
    public Student(int studentId, String name) {  
        [this.studentId = studentId; this.name = name]  
    }  
  
    public Student(int studentId, String name, float grade) {  
        [this.studentId, name];  
        [this.grade = grade]  
    }  
}
```

Question 2

Correct

Mark 1.00
out of 1.00

Flag
question

Observe the below code.

```
public class Student {  
    private int id;  
    private String name;  
    private char grade;  
    //Constructor 1  
    public Student() {  
        id=0;  
        name="";  
    }  
    //Constructor 2  
    public Student(int id, String name) {  
        this.id=id;  
        this.name=name;  
    }  
}
```

}

Choose the constructor that is invoked, when an object is created as shown below.

new Student();
new Student(54, "John");

Constructor 1 ✓
Constructor 2 ✓

Your answer is correct.

The correct answer is:

Observe the below code:

```
public class Student {  
    private int id;  
    private String name;  
    private char grade;  
    //Constructor 1  
    public Student() {  
        id=0;  
        name=" ";  
    }  
    //Constructor 2  
    public Student(int id, String name) {  
        this.id=id;  
        this.name=name;  
    }  
}
```

Choose the constructor that is invoked, when an object is created as shown below.

new Student();
new Student(54, "John");

[Constructor 1]
[Constructor 2]

3Partially
correctMark 0.67
out of 1.00 Flag
question

You are given with new classes.

Match the code with the type of constructor available in the class.

```
public class Student {  
}
```

Default constructor



```
public class Student {  
    public Student(int studentId, String name) {  
    }  
}
```

Parameterized Constructor



```
public class Student {  
    public Student() {  
    }  
}
```

Default constructor



Your answer is partially correct.

You have correctly selected 2.

The correct answer is: public class Student {

} → Default constructor, public class Student {

public Student(int studentId, String name) {

}

} → Parameterized Constructor, public class Student {

public Student() {

}

} → No-argument Constructor

Question**4**

Correct

Mark 1.00
out of 1.00 Flag
question

Observe the code below.

```
public class Student {  
    int studentId;  
    String name;  
    char grade;  
  
    public Student(int studentId, String name, float mark) {  
        this.studentId = studentId;  
    }
```

```
this.name=name;
calculateGrade(mark);
}

public void calculateGrade(float mark){
if(mark>90)
grade='A';
else
grade='B';
}
}
```

For the code

```
Student s = new Student(1,"Peter",95);
```

What will be the output?

Select one:

- a. Compiles successfully ✓
- b. Compilation error because cannot call methods from constructor
- c. Compilation error because of the parameter - mark- in constructor. It should be grade instead of mark.

Your answer is correct.

The correct answer is: Compiles successfully

Question 5

Correct

Mark 1.00

out of 1.00

Flag

question

Observe the below class.

```
class Product{
int productId;
String productName;
Product() {
productId=0; productName="";
}
Product(int id, String name) {
//access Product() — Line 1
productId=id;
productName=name;
```

```
}
```

```
}
```

Identify the valid option which is used to invoke the no argument constructor, Product(), at Line 1.

Select one:

- a. super();
- b. Product
- c. this(); ✓
- d. Product();

this() invokes the current object's no argument constructor.

The correct answer is: this();

[Finish review](#)



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Started on: Monday, 24 February 2020, 1:56 AM

State: Finished

Completed on: Monday, 24 February 2020, 1:59 AM

Time taken: 3 mins 3 secs

Marks: 4.00/5.00

Grade: 80.00 out of 100.00

Feedback:

Congratulations!!! You have passed by securing more than 80%

Quiz navigation



Finish review

Question
1

Incorrect:

Mark 0.00
out of 1.00

Flag
question

For the below code, what are the valid ways to invoke display method in the main method.

```
public class Test {  
    public static void display(){  
    }  
}  
  
public class Main {  
    public static void main(String a[]){  
        //Invoke the display method  
    }  
}
```

Select one or more:

- a. Test.display();
- b. display(); X
- c. new Test().display(); ✓

Static method can be invoked either by using the object instance or using the class name.

The correct answers are: Test.display(); new Test().display();

Question
2

Observe the code:

```
public class Employee {  
    String name;
```

Mark 1.00
out of 1.00

Flag
question

```
static int employeeCount;
```

//Line 1

}

Which of the following code can be included in Line 1?

Select one or more:

- a.

```
public void display(){  
    System.out.println("Employee Name"+name);  
}
```
- b.

```
public static void display(){  
    System.out.println("Employee count "+employeeCount);  
}
```
- c.

```
public static void display() {  
    System.out.println("Employee Name"+name);  
}
```
- d.

```
public void display(){  
    System.out.println("Employee count "+employeeCount);  
}
```

From a **static** method, we can access only **static** members. Non **static** members cannot be accessed from **static** methods.

However, from a non **static** method, we can access both **static** and non **static** members.

The correct answers are:

```
public static void display(){  
    System.out.println("Employee count "+employeeCount);  
}  
public void display(){  
    System.out.println("Employee count "+employeeCount);  
}  
public void display(){  
    System.out.println("Employee Name"+name);  
}
```

Question 3

Correct

Mark 1.00
out of 1.00

Flag
question

Choose the correct option :

```
public class Flight{  
    int flightId;  
    static int noOfSeats;  
    public static void display(){  
        System.out.println("No of seats "+noOfSeats);  
    }  
}
```

```
)  
})
```

Non static members cannot be accessed from static methods. If we want to access non static members from a static method it is possible by creating an object. Hence, only 'noOfSeats' can be accessed, not 'flightId'.

The correct answer is:

Choose the correct option :

```
public class Flight{  
    int flightId;  
    static int noOfSeats;  
    public static void display(){  
        System.out.println("No of seats "+noOfSeats);  
    }  
}
```

Question 4

Correct

Mark 1.00
out of 1.00

Flag
question

Match the following :

- | | | | |
|-------------------|---|----------------------------------|--|
| non static method | Can access both static and non static members | <input checked="" type="radio"/> | |
| static method | Can access static members only | <input checked="" type="radio"/> | |

Your answer is correct.

The correct answer is: non static method --> Can access both static and non static members, static method --> Can access static members only

Question 5

Correct

Mark 1.00
out of 1.00

Flag
question

Observe the below code

```
public class Product{  
    int productId;  
    String productName;  
    static int count = 0;
```

```
public Product(int pid, String name){  
    productId = pid;  
    productName = name;  
    count++;  
}  
  
public static void main(String args[]){  
  
    Product p1 = new Product(101, "Screws");  
    System.out.println("Count is "+Product.count); ✓  
  
    Product p2 = new Product(102, "Nuts");  
    Product p3 = new Product(103, "Nails");  
    System.out.println("Count is "+p3.count); ✓  
}  
}
```

Drag and drop the options correctly so that the output will be

Count is 1

Count is 3

The value of the static count variable is incremented by 1 after each object creation. So a simple print statement displaying count would suffice.

The correct answer is:

Observe the below code

```
public class Product  
{  
    int productId;  
    String productName;  
    static int count = 0;  
  
    public Product(int pid, String name){  
        productId = pid;  
        productName = name;  
        count++;  
    }  
}
```

```
public static void main(String arg[]){  
  
    Product p1=new Product(101,"Screws");  
    [System.out.println("Count is "+Product.count);]  
    Product p2=new Product(102,"Nuts");  
    Product p3=new Product(103,"Nails");  
    [System.out.println("Count is "+p3.count);]  
}  
}  
}
```

Drag and drop the options correctly so that the output will be

Count is 1
Count is 3

[Finish review](#)



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Started on Thursday, 26 March 2020, 12:22 AM

State Finished

Completed on Thursday, 26 March 2020, 12:32 AM

Time taken 10 mins 18 secs

Marks 10.00/11.00

Grade 90.91 out of 100.00

Feedback Congratulations! You have passed by securing more than 80%.

Question

1

Correct

Mark 1.00
out of 1.00

Flag
question

State True or False.

Advanced for loop is better as it is less error prone as we don't need to deal with index.

Select one:

True ✓

False

The correct answer is 'True'.

Question

2

Correct

Mark 1.00
out of 1.00

Flag
question

```
class ArrayTest {  
    public static void main(String args[]) {  
        int[] primes = new int[10];  
        primes[0] = 'a';  
        System.out.println(primes[0]);  
    }  
}
```

What will be the result of compiling and executing the above code?

Select one:

a. a

b. Runtime exception

c. compile time error ✓

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Finish review

d. `ArrayStoreException`

Your answer is correct.

The correct answer is: compile time error

Question 3

Correct

Mark 1.00
out of 1.00

 Flag
question

In which of the following packages can you find String class?

Select one:

- a.
none of the options
- b.
`lang` ✓
- c. `io`
- d.
`util`

Your answer is correct.

The correct answer is:

`lang`

Question 4

Correct

Mark 1.00
out of 1.00

 Flag
question

```
String name="teknoturf";
String cname="teknoturf";
String compname=new String("teknoturf");
1.if(name==cname)
2.if(name.equals(cname))
3.if(name==compname)
4.if(name.equals(compname))
```

Identify the output.

Select one:

- a. Line 1,2,4 will return true. ✓
- b. Line 1,3,4 will return true.
- c. Line 3,4 will return true.
- d. Line 1,3 will return true.

Your answer is correct.

The correct answer is: Line 1,2,4 will return true.

Question 5

Correct

Mark 1.00
out of 1.00

Flag
question

StringBuffer is used to create _____.

Select one:

- a. an immutable String
- b. a mutable String ✓

Your answer is correct.

The correct answer is: a mutable String

Question 6

Correct

Mark 1.00
out of 1.00

Flag
question

Given a one-dimensional array arr, what is the correct way of getting the number of elements in arr?

Select one:

- a. arr.length()
- b. arr.length-1
- c. arr.length ✓
- d. arr.length()-1

Your answer is correct.

The correct answer is: arr.length

Question 7

Correct

Mark 1.00
out of 1.00

Flag
question

StringBuilder is less efficient and slower than StringBuffer. State true or false.

Select one:

- True
- False ✓

The correct answer is 'False'.

Question**8**

Correct

Mark 1.00
out of 1.00Flag
question

What is the output of this program?

```
class Output {  
    public static void main(String args[]) {  
        int a1[] = new int[10];  
        int a2[] = {1, 2, 3, 4, 5};  
        System.out.println(a1.length + " " + a2.length);  
    }  
}
```

Select one:

- a. 0 5
- b. 10 5 ✓
- c. 0 10
- d. 5 10

Your answer is correct.

The correct answer is: 10 5

Question**9**

Correct

Mark 1.00
out of 1.00Flag
question

```
class TestArray {  
    public static void main(String args[]) {  
        int arr_sample[] = new int[2];  
        System.out.println(arr_sample[0]);  
    }  
}
```

What will be the result of compiling and executing the above code?

Select one:

- a. The program compiles and runs but the results are not predictable because of un-initialized memory being read.
- b. The program compiles and prints 0 when executed. ✓
- c. The program compiles and prints 1 when executed.
- d. The program generates a runtime exception because arr_sample[0] is being read before being initialized.
- e. The program does not compile because arr_sample[0] is being read before being initialized.

Your answer is correct.

The correct answer is: The program compiles and prints 0 when executed.

Question 10

Incorrect

Mark 0.00
out of 1.00

Flag
question

List the correct ways of declaring an Array.

Select one or more:

- a.
`int studentId[];` ✓
- b. `String [] name [];`
- c. `int studentId[10];` ✗
- d.
`int []studentId;`
- e.
`String name[] = new String(10);`

Your answer is incorrect.

The correct answers are:

`int []studentId;`,
`int studentId[], String [] name [];`

Question 11

Correct

Mark 1.00
out of 1.00

Flag
question

String Objects are mutable. State true or false.

Select one:

- True
- False ✓

The correct answer is 'False'.

[Finish review](#)





Started on Friday, 27 March 2020, 12:52 AM

State Finished

Completed on Friday, 27 March 2020, 12:55 AM

Time taken 2 mins 54 secs

Marks 7.00/8.00

Grade 87.50 out of 100.00

Feedback Congratulations!! You have passed by securing more than 80%

Question 1

Correct

Mark 1.00 out of 1.00

A JavaBeans component has the following field:

private boolean enabled;

Which two pairs of method declarations follow the JavaBeans standard for accessing this field? (Choose two.)

Select one or more:

- a. public void setEnabled(boolean enabled)
public boolean getEnabled() ✓
- b. public void setEnabled(boolean enabled)
public void isEnabled()
- c. public void setEnabled(boolean enabled)
public boolean isEnabled() ✓
- d. public boolean setEnabled(boolean enabled)
public boolean getEnabled()

Your answer is correct.

When writing getters and setters, setters return type is void and getters return type is the corresponding data type. Naming convention is camelcase notation. For setters start with set followed by field name and for getters start with get followed by field name. For boolean return type, it should start with 'is' or 'are' followed by field name.

The correct answers are: public void setEnabled(boolean enabled)
public boolean isEnabled(), public void setEnabled(boolean enabled)
public boolean getEnabled()

Question 2

Correct

Mark 1.00 out of 1.00

Predict the Output of following Java Program.

```
class Test {  
    int x = 10;  
    public static void main(String[] args) {  
        System.out.println(x);  
    }  
}
```

Select one:

- a. 0
- b. 10
- c. Runtime Exception
- d. Compile Time Error ✓

Your answer is correct.

The correct answer is: Compile Time Error

Correct

Mark 1.00 out
of 1.00

Statement 1 : When no constructor is written in a class, the compiler creates a default constructor

Statement 2 : The default constructor will implicitly invoke the default / no-argument constructor of the super class

Statement 3 : If a class has a parametrized constructor alone, then the compiler will create the default constructor

Statement 4 : If a class has a parametrized constructor, it is mandatory to write a no-argument constructor

Select one:

- a. 1, 2 and 4
- b. 1, 2 and 3
- c. 2 and 3
- d. 1 and 2 ✓

Your answer is correct.

The correct answer is: 1 and 2

Question 4

Correct

Mark 1.00 out
of 1.00

Identify which statement is true about constructors.

Select one:

- a. Constructor of a class should not have a return type, which means the return type is void
- b. Constructor can be overloaded ✓
- c. Constructor will be invoked explicitly like other methods
- d. Constructor should have same name as class name, but not case sensitive

Your answer is correct.

The correct answer is:

Constructor can be overloaded

Correct

Mark 1.00 out
of 1.00

```
{  
    private final int id;  
    public ItemTest(int id) {  
        this.id = id;  
    }  
    public void updateId(int newId) {  
        id = newId;  
    }  
    public static void main(String[] args) {  
        ItemTest fa = new ItemTest(42);  
        fa.updateId(69);  
        System.out.println(fa.id);  
    }  
}
```

What is the result?

Select one:

- a. CompileTime Error ✓
- b. Runtime Error
- c.
69

Your answer is correct.

The correct answer is: CompileTime Error

Incorrect
Mark 0.00 out
of 1.00

```
public class Account {
    public static final float INTEREST_RATE = 7.5;
}
```

Identify the correct options from the classes provided below.

Select one or more:

- a. package edu.ABC.model;

```
public class Loan {
    public double getInterest() {
        return INTEREST_RATE;
    }
}
```
- b. import edu.ABC.model.Account ;

```
public class Loan {
    public double getInterest() {
        return Account.INTEREST_RATE;
    }
} ✓
```
- c. import static edu.ABC.model.Account ;

```
public class Loan {
    public double getInterest() {
        return INTEREST_RATE;
    }
} ✗
```
- d.

```
import static edu.ABC.model.Account.*;
public class Loan {
    public double getInterest() {
        return INTEREST_RATE;
    }
}
```

Your answer is incorrect.

The correct answers are:

```
import static edu.ABC.model.Account.*;
public class Loan {
    public double getInterest() {
        return INTEREST_RATE;
    }
}, import edu.ABC.model.Account ;
public class Loan {
    public double getInterest() {
        return Account.INTEREST_RATE;
    }
}
```

Question 7

Correct
Mark 1.00 out
of 1.00

Which members of a class can be accessed by other classes is determined by the _____

Select one:

- a. Access specifier ✓
- b. class
- c. constructor
- d. variables

Your answer is correct.

The correct answer is: Access specifier



Correct

Mark 1.00 out
of 1.00

Select one:

- a. Used for calling the no argument constructor of the same class. ✓
- b. Used for calling the current object of the same class.
- c. Used for calling the current object of the parent class.
- d. Used for calling the parameterized constructor of the parent class.

Your answer is correct.

The correct answer is: Used for calling the no argument constructor of the same class.

Started on: Sunday, 1 March 2020, 11:27 PM

State: Finished

Completed on: Sunday, 1 March 2020, 11:45 PM

Time taken: 17 mins 54 secs

Marks: 20.33/21.00

Grade: 96.89 out of 100.00

Feedback: Congratulations!! You have passed by securing more than 80%

Question 1

Correct

Mark 1.00
out of 1.00

Flag question

Determine the output:

```
public class A
{
    public static void main(String args[])
    {
        int ary[] = new int[]{1,2,3};
        System.out.println(ary[1]);
    }
}
```

Select one:

- a. 2 ✓
- b. Compilation Error:incorrect syntax
- c. 1

The array ary is initialized with 3 elements and the element at the first index is 2.

The correct answer is: 2

Question 2

Correct

Mark 1.00
out of 1.00

Flag

Determine the output:

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

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| ✓ | ✓ | ✓ | ✓ | ✓ |
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Finish review

question

```
int arr = new int[] {0, 1, 2, 3, 4, 5, 6, 7, 8, 9};  
int n = 6;  
n = arr[n] / 2;  
System.out.println(arr[n] / 2);  
}  
}
```

Select one:

- a. 6
- b. 1 ✓
- c. 3
- d. 0

arr is an integer array that is initialized with 10 values.

When n is initialized with value 6, `n = arr[arr[n] / 2]` evaluates to `n = 3`. Now, printing `arr[n] / 2` will output 1.

The correct answer is: 1

**Question
3**

Correct

Mark 1.00
out of 1.00

Flag
question

Determine the output: (MCQ)

```
public class Test  
{  
    public static void main(String[] args)  
    {  
        int[] x = new int[3];  
        System.out.println("x[0] is " + x[0]);  
    }  
}
```

Select one:

- a. The program has a runtime error because the array elements are not initialized.
- b. The program has a compile error because the size of the array wasn't specified when declaring the array.
- c. The program runs fine and displays x[0] is 0. ✓
- d. The program has a runtime error because the array element x[0] is not defined.

The "new" keyword allocates memory for storing integer elements in an array to be created in the "heap" and the memory is initialized with "default of integer" which is 0.

Difficulty: 0.0

The correct answer is: The program runs fine and displays `x[0]` is 0.

Question 4

Correct

Mark 1.00
out of 1.00

Flag
question

new ✓ is used to allocate memory to array variable in Java.

malloc

calloc

alloc

Your answer is correct.

The correct answer is:

[new] is used to allocate memory to array variable in Java

Question 5

Correct

Mark 1.00
out of 1.00

Flag
question

length() ✓ is used to find string length.

size()

len

length

Your answer is correct.

The correct answer is:

[length()] is used to find string length.

Question 6

Correct

Mark 1.00
out of 1.00

Flag
question

Given a one-dimensional array arr, what is the correct way of getting the number of elements in arr is ✓

Your answer is correct.

The correct answer is:

Given a one dimensional array arr; what is the correct way of getting the number of elements in arr is [arr.length]

Question 7

Partially
correct

Mark 0.67
out of 1.00

Flag
question

What is special about string objects as compared to objects of other derived types?

Select one or more:

- a. Java provides string constant pool to store the string objects
- b. You can create string objects without or without using new operator ✓
- c. You can concatenate two string objects using '+' ✓

Your answer is partially correct.

You have correctly selected 2.

The correct answers are: You can concatenate two string objects using '+', You can create string objects without or without using new operator, Java provides string constant pool to store the string objects

Question 8

Correct

Mark 1.00
out of 1.00

Flag
question

Determine the output:

```
public class Test
{
    public static void main(String[] args)
    {
        int[] x = {1, 2, 3, 4};
        int[] y = x;
        x = new int[2];
        for(int i = 0; i < x.length; i++)
            System.out.print(y[i] + " ");
    }
}
```

Select one:

- a. 0 0
- b. 0 0 0 0
- c. 1 2 3 4
- d. 1 2 ✓

Array x is initialized with 4 values and this means reference "x" contains the starting address of the array. This address is copied to the array reference "y". This means the 4 values can now be accessed with "y" as well. Then the reference x is assigned with a new array's starting address whose length is 2. Hence the iteration outputs 1 2.

The correct answer is: 1 2

Question 9

Partially correct

Mark 0.67
out of 1.00

Flag question

Fill in appropriately.

```
String st1 = new String("JAVA");
String st2 = new String("JAVA");
String st3="JAVA"
```

[3] objects, [2] in heap memory and [1] in string pool

The "new" keyword allows memory for storing String to be allocated in the "heap". Otherwise, memory is allocated in string pool.

You have correctly selected 2.

The correct answer is:

Fill in appropriately

```
String st1 = new String("JAVA");
String st2 = new String("JAVA");
String st3="JAVA"
```

[3] objects, [2] in heap memory and [1] in string pool

Question 10

Correct

Mark 1.00
out of 1.00

+ operator can be used to concatenate two or more String objects in java. State true or false.

Select one:

- True ✓

Flag question

False

The correct answer is 'True'.

Question 11

Correct

Mark 1.00
out of 1.00

Flag question

Determine the output

```
class array_output
{
    public static void main(String args[])
    {
        char array_variable[] = new char[10];
        for (int i = 0; i < 10; ++i)
        {
            array_variable[i] = 'I';
            System.out.print(array_variable[i] + " ");
        }
    }
}
```

Select one:

- a. ijklmnopqr
- b. IIIIIIIIII ✓
- c. 012345678910
- d. 12345678910

array_variable is a character array that can hold 10 characters. The for loop gets iterated for 10 times. During each iteration, the array index is assigned with the character 'I' and printed alongside. Hence the output 'IIIIIIII'.

The correct answer is: IIIIIIIIII

Question 12

Correct

Mark 1.00
out of 1.00

Predict the output

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

Flag question

```
int ascii[] = { 65, 66, 67, 68};  
String s = new String(ascii, 1, 3);  
System.out.println(s);  
}  
}
```

Select one:

- a. ABCD
- b. COA
- c. BCD ✓
- d. ABC

An integer array is initialized with values 65, 66, 67 and 68. Its reference is "ascii". A new string object is initialized with this reference such that the elements from index 1 through 3 alone gets copied as "characters". This object is referred by 's'. Printing this object will output BCD which are the char-equivalents of 66, 67 and 68.

The correct answer is: BCD

Question 13

Correct

Mark 1.00
out of 1.00

Flag question

Determine the output:

```
public class Trial  
{  
    public static void main(String[] args)  
    {  
        int arr[4]=();  
        System.out.print(arr[0]);  
    }  
}
```

Select one:

- a. Garbage error
- b. Compile time error ✓
- c. Runtime error
- d. 0

int arr[4] is syntactically wrong

The correct answer is: Compile time error

Question 14

Correct

Mark 1.00
out of 1.00

Flag
question

What will s2 contain after following lines of code?

```
String s1 = "one";
String s2 = s1.concat("two");
```

Select one:

- a. one
- b. onetwo ✓
- c. twoone
- d. two

The string "two" referred by s2 is concatenated to the string "one" referred by s1.

The correct answer is: onetwo

Question 15

Correct

Mark 1.00
out of 1.00

Flag
question

```
class Output {
    public static void main(String args[])
    {
        int a1[] = new int[10];
        int a2[] = {1, 2, 3, 4, 5};
        System.out.println(a1.length + " " + a2.length);
    }
}
```

Select one:

- a. 10 5 ✓
- b. 510
- c. 0 5
- d. 0 10

Array a1 is created so as to contain 10 integer elements. Hence, the length is 10.

Array a2 is initialized with 5 values... Hence, the length is 5.

The correct answer is: 10-5

Question 16

Correct

Mark 1.00
out of 1.00

Flag
question

Given:

```
1. public class MyLogger {  
2.     private StringBuilder logger = new StringBuilder();  
3.     public void log(String message, String user) {  
4.         logger.append(message);  
5.         logger.append(user);  
6.     }  
7. }
```

The programmer must guarantee that a single MyLogger object works properly for a multi-threaded system.

How must this code be changed to be thread-safe?

Select one:

- a. Replace StringBuilder with just a String object and use the string concatenation (+=) within the log method.
- b. No change is necessary, the current MyLogger code is already thread-safe.
- c. Replace StringBuilder with StringBuffer ✓
- d. Synchronize the log method.

StringBuffer is synchronized and therefore thread-safe. StringBuilder is compatible with StringBuffer API but with no guarantee of synchronization.

Because it's not a thread-safe implementation, it is faster and it is recommended to be used only in places where there's no need for thread safety.

The correct answer is: Replace StringBuilder with StringBuffer

Question 17

Correct

Mark 1.00
out of 1.00

Flag
question

Predict the output:

```
class String_demo {  
    public static void main(String args[]) {  
        char chars[] = {'a', 'b', 'c'};  
        String s = new String(chars);  
        System.out.println(s);  
    }  
}
```

Select one:

- a. abc ✓
- b. a
- c. c
- d. b

A character array is initialized with 'a', 'b' and 'c' and the array reference is chars. Printing this reference will output abc.

A "new" string object is initialized with this reference and this object is referred by "s". Printing this reference will output abc.

The correct answer is: abc

Question 18

Correct

Mark 1.00
out of 1.00

Flag question

What will be the content of array variable table after executing the following code?

```
public class Trial
{
    public static void main(String[] args)
    {
        int [][]table=new int[5][5];
        for(int i = 0; i < 3; i++)
        {
            for(int j = 0; j < 3; j++)
            {
                if(j == i)
                {
                    table[i][j] = 1;
                    System.out.print(table[i][j]);
                }
                else
                {
                    table[i][j] = 0;
                    System.out.print(table[i][j]);
                }
            }
            System.out.println("\n");
        }
    }
}
```

Select one:

a.
000
000
000

b.
100
010
001 ✓

c.
100
110
111

d.
Compilation error

"table" is a 2 dimensional array with 5 rows and 5 columns. It is iterated from 0 through 3 and during each iteration `j==i` (iteration variables) is checked. When `j==i` evaluates to true, the index is assigned the value "1" and printed. Else, assigned "0" and printed.

The correct answer is:

1 0 0
0 1 0
0 0 1

Question 19

Correct

Mark 1.00
out of 1.00

Flag
question

Column size is mandatory to create an array in java. State true or false.

Select one:

True
 False ✓

The correct answer is 'False'.

Question 20

Correct

Mark 1.00

ello ✓

is the string contained in s after following lines of code?

```
StringBuffer s new StringBuffer("Hello");
```

```
s.deleteCharAt(0);
```

out of 1.00

Flag
question

hell He~~llo~~ llo

From the string "Hello", the character at the 0th index is deleted. Hence "ello".

The correct answer is:

[ello] is the string contained in s after following lines of code?

```
StringBuffer s = new StringBuffer("Hello");
s.deleteCharAt(0);
```

Question 21

Correct

Mark 1.00
out of 1.00

Flag
question

String s1 = null;   is the valid declaration of a String.

Your answer is correct.

The correct answer is:

[String s1 = null] is the valid declaration of a String.

[Finish review](#)



Started on Saturday, 21 March 2020, 8:33 PM

State Finished

Completed on Saturday, 21 March 2020, 8:44 PM

Time taken 10 mins 13 secs

Marks 16.00/16.00

Grade 100.00 out of 100.00

Feedback Congratulations!! You have passed by securing more than 80%

Question 1

Correct

Mark 1.00 out of 1.00

Assume Book is a parent class and Magazine class is the child of Book class.

Match the following:

Book b = new Magazine(); Upcasting ✓

Magazine m = (Magazine) b Downcasting ✓

Your answer is correct.

The correct answer is: Book b = new Magazine(); → Upcasting, Magazine m = (Magazine) b → Downcasting

Question 2

Correct

Mark 1.00 out of 1.00

If a method in an interface is implemented, then that method should be either _____ or _____.

Select one:

a. static, default ✓

b. abstract, default

c. abstract, static

d. public , abstra

Your answer is correct.

The correct answer is: static, default

Question 3

Correct

Mark 1.00 out of 1.00

Which would declare a compilable abstract class?

Select one:

a.
 public abstract class Shape { public Square draw() {} } ✓

b.
 public abstract class Shape { public Square draw(); }

c.
 public class Shape { public abstract Square draw(); }

d.
 public class Shape abstract { public abstract Square draw(); }

Your answer is correct.

The correct answer is:

public abstract class Shape { public Square draw() {} }

 CorrectMark 1.00 out of
1.00

Select one:

- a. public
- b. protected
- c. final ✓
- d. private

Your answer is correct.

The correct answer is: final

Question 5

Correct

Mark 1.00 out of
1.00

```
public abstract class Shape {  
    private int x; private int y;  
    public abstract void draw();  
    public void setAnchor(int x, int y) {  
        this.x = x;  
        this.y = y;  
    }  
}
```

Which two classes use the Shape class correctly? (Choose two.)

Select one or more:

- a. public class Circle extends Shape {
 private int radius;
 public void draw();
}
- b. public class Circle implements Shape {
 private int radius;
}
- c. public abstract class Circle extends Shape {
 private int radius;
} ✓
- d. public class Circle extends Shape {
 private int radius;
 public void draw() /* code here */
} ✓

Your answer is correct.

If a class inherits an abstract class with abstract methods, it should provide implementation for all the abstract methods in the parent. If not, then that class needs to be declared as abstract.

The correct answers are:

```
public abstract class Circle extends Shape {  
    private int radius;  
}, public class Circle extends Shape {  
    private int radius;  
    public void draw() /* code here */  
}
```

 CorrectMark 1.00 out of
1.00

```
public abstract class Abs {  
    public Abs(){  
        System.out.println("Constructor from Abstract class");  
    }  
}  
  
public class Test extends Abs {  
    public static void main(String args[]){  
        Abs obj=new Test();  
    }  
}
```

Select one:

- a. Compile time error: An abstract class cannot be instantiated
- b. Constructor from Abstract class ✓
- c. Compile time error: An abstract class cannot have a constructor
- d. Program will execute successfully but not display anything

Your answer is correct.

In the constructor of the child class, the first line should be a call to the super class constructor. If not written, then implicitly it invokes the super class constructor as super();

The correct answer is: Constructor from Abstract class

 CorrectMark 4.00 out of
4.00

```
class A {  
    String name="A";  
    public String getName() {  
        return name;  
    }  
    String greeting() {  
        return "class A";  
    }  
}  
  
class B extends A {  
    String name="B";  
    String greeting() {  
        return "class B";  
    }  
}  
  
public class Test {  
    public static void main(String arg[]) {  
        A a=new A();  
        B b=new B();  
        System.out.println(a.greeting()+" has name "+a.getName());  
        System.out.println(b.greeting()+" has name "+b.getName());  
    }  
}
```

Place the names "A" and "B" in the following output.

class ✓ has name ✓
class ✓ has name ✓

Question 8

Correct

Mark 1.00 out of
1.00

A default method in an interface can be either private or public or protected. State True or False.

Select one:

- True
 False ✓

The correct answer is 'False'.

 CorrectMark 1.00 out of
1.00

keyword.

Select one:

- a. class
- b. super ✓
- c. extends
- d. this

Your answer is correct.

The correct answer is: super

**Question
10**

Correct

Mark 1.00 out of
1.00

Which of the following represents the correct lambda expression for the Functional method :

int findMax(int a,int b) ?

Select one:

- a.
`(int a,int b) -> {
 min = a>b ? a : b;
 return min; }`
- b.
`(int a,int b) -> {
 int min = a>b ? a : b;
 return min; } ✓`
- c.
`(a, b) -> {
 int min = a>b ? a : b;
}`
- d.
`(int a,int b) ->
 int min = a>b ? a : b;
 return min;`

Your answer is correct.

The correct answer is:

`(int a,int b) -> {
 int min = a>b ? a : b;
 return min; }`**Question
11**

Correct

Mark 1.00 out of
1.00

_____ can be achieved through inheritance.

Select one:

- a. code reusability
- b. run time polymorphism
- c. both run time polymorphism & code reusability ✓
- d. none of the options

Your answer is correct.

The correct answer is: both run time polymorphism & code reusability

Correct

Mark 1.00 out of
1.00

```

1. public class Employee {
2.     String name;
3.     double baseSalary;
4.     Employee(String name, double baseSalary) {
5.         this.name = name;
6.         this.baseSalary = baseSalary;
7.     }
8. }
```

And:

```

11. public class Salesperson extends Employee {
12.     double commission;
13.     public Salesperson(String name, double baseSalary,
14.         double commission) {
15.         // insert code here
16.     }
17. }
```

Which code, inserted at line 17, completes the Salesperson constructor?

Select one:

- a. this.commission = commission;
super();
- b. this.commission = commission;
- c. super();
commission = commission;
- d. this.commission = commission;
super(name, baseSalary);
- e. super(name, baseSalary);
this.commission = commission; ✓
- f. super();
this.commission =commission;

Your answer is correct.

The correct answer is: super(name, baseSalary);
this.commission = commission;**Question
13**

Correct

Mark 1.00 out of
1.00

If a class inheriting an abstract class does not provide definition for all abstract methods in the parent class, then it will be known as _____.

Select one:

- a. abstract ✓
- b. A concrete class
- c. Static class
- d. A simple class

Your answer is correct.

The correct answer is: abstract



Reshma Banu Mothadi Shaik .



Started on Friday, 27 March 2020, 1:27 AM

State Finished

Completed on Friday, 27 March 2020, 1:33 AM

Time taken 6 mins 11 secs

Marks 16.00/16.00

Grade 100.00 out of 100.00

Feedback Congratulations!! You have passed by securing more than 80%

Question 1

Correct

Mark 1.00 out
of 1.00

Assume Book is a parent class and Magazine class is the child of Book class.

Match the following:

Book b = new Magazine();

Upcasting ✓

Magazine m = (Magazine) b

Downcasting ✓

Your answer is correct.

The correct answer is: Book b = new Magazine(); → Upcasting, Magazine m = (Magazine) b → Downcasting

Correct

Mark 1.00 out
of 1.00

```
1. public class Employee {  
2.     String name;  
3.     double baseSalary;  
4.     Employee(String name, double baseSalary) {  
5.         this.name = name;  
6.         this.baseSalary = baseSalary;  
7.     }  
8. }
```

And:

```
11. public class Salesperson extends Employee {  
12.     double commission;  
13.     public Salesperson(String name, double baseSalary,  
14.         double commission) {  
15.             // insert code here  
16.         }  
17. }
```

Which code, inserted at line 17, completes the Salesperson constructor?

Select one:

- a. super(name, baseSalary);
this.commission = commission; ✓
- b. super();
this.commission =commission;
- c. super();
commission = commission;
- d. this.commission = commission;
super();
- e. this.commission = commission;
super(name, baseSalary);
- f. this.commission = commission;

Your answer is correct.

The correct answer is: super(name, baseSalary);
this.commission = commission;

Question 3

Correct

Mark 1.00 out
of 1.00

A default method in an interface can be either private or public or protected. State True or False.

Select one:

- True
- False ✓

The correct answer is 'False'.



Correct

Mark 1.00 out
of 1.00

Select one:

- a.
public abstract class Shape { public Square draw(); }
- b.
public class Shape { public abstract Square draw(); }
- c.
public abstract class Shape { public Square draw() {} } ✓
- d.
public class Shape abstract { public abstract Square draw(); }

Your answer is correct.

The correct answer is:

public abstract class Shape { public Square draw() {} }

Question 5

Correct

Mark 1.00 out
of 1.00

```
public abstract class Shape {  
    private int x; private int y;  
    public abstract void draw();  
    public void setAnchor(int x, int y) {  
        this.x = x;  
        this.y = y;  
    }  
}
```

Which two classes use the Shape class correctly? (Choose two.)

Select one or more:

- a. public class Circle extends Shape {
 private int radius;
 public void draw();
}
- b. public abstract class Circle extends Shape {
 private int radius;
} ✓
- c. public class Circle extends Shape {
 private int radius;
 public void draw() /* code here */
} ✓
- d. public class Circle implements Shape {
 private int radius;
}

Your answer is correct.

If a class inherits an abstract class with abstract methods, it should provide implementation for all the abstract methods in the parent. If not, then that class needs to be declared as abstract.

The correct answers are: public abstract class Circle extends Shape {
private int radius;
}, public class Circle extends Shape {
private int radius;
public void draw() /* code here */
}

Correct

Mark 1.00 out
of 1.00

Select one:

- a. final ✓
- b. protected
- c. public
- d. private

Your answer is correct.

The correct answer is: final

Question 7

Correct

Mark 1.00 out
of 1.00

If a method in a super class is overridden by the sub class, then the overridden method can be invoked using _____ keyword.

Select one:

- a. class
- b. super ✓
- c. this
- d. extends

Your answer is correct.

The correct answer is: super

Question 8

Correct

Mark 1.00 out
of 1.00

If a class inheriting an abstract class does not provide definition for all abstract methods in the parent class, then it will be known as _____.

Select one:

- a. Static class
- b. A concrete class
- c. abstract ✓
- d. A simple class

Your answer is correct.

The correct answer is: abstract

Question 9

Correct

Mark 1.00 out
of 1.00

_____ can be achieved through inheritance.

Select one:

- a. code reusability
- b. run time polymorphism
- c. both run time polymorphism & code reusability ✓
- d. none of the options

Your answer is correct.

The correct answer is: both run time polymorphism & code reusability

Correct

Mark 1.00 out
of 1.00

Select one:

- a. static, default ✓
- b. public , abstra
- c. abstract, default
- d. abstract, static

Your answer is correct.

The correct answer is: static, default

**Question
11**

Correct

Mark 1.00 out
of 1.00

Which of the following represents the correct lambda expression for the Functional method :

int findMax(int a,int b) ?

Select one:

- a.
`(a, b) -> {
 int min = a>b ? a : b;
}`
- b.
`(int a,int b) ->
 int min = a>b ? a : b;
 return min;`
- c.
`(int a,int b) -> {
 int min = a>b ? a : b;
 return min; } ✓`
- d.
`(int a,int b) -> {
 min = a>b ? a : b;
 return min; }`

Your answer is correct.

The correct answer is:

`(int a,int b) -> {
 int min = a>b ? a : b;
 return min; }`

 CorrectMark 4.00 out
of 4.00

```
class A {  
    String name="A";  
    public String getName() {  
        return name;  
    }  
    String greeting() {  
        return "class A";  
    }  
}  
class B extends A {  
    String name="B";  
    String greeting() {  
        return "class B";  
    }  
}  
public class Test {  
    public static void main(String arg[]) {  
        A a=new A();  
        A b=new B();  
        System.out.println(a.greeting()+" has name "+a.getName());  
        System.out.println(b.greeting()+" has name "+b.getName());  
    }  
}
```

Place the names "A" and "B" in the following output.

class ✓ has name ✓
class ✓ has name ✓

Correct

Mark 1.00 out
of 1.00

```
public abstract class Abs {  
    public Abs(){  
        System.out.println("Constructor from Abstract class");  
    }  
}  
  
public class Test extends Abs {  
    public static void main(String args[]){  
        Abs obj=new Test();  
    }  
}
```

Select one:

- a. Compile time error: An abstract class cannot have a constructor
- b. Compile time error: An abstract class cannot be instantiated
- c. Constructor from Abstract class ✓
- d. Program will execute successfully but not display anything

Your answer is correct.

In the constructor of the child class, the first line should be a call to the super class constructor. If not written, then implicitly it invokes the super class constructor as super();

The correct answer is: Constructor from Abstract class

Started on Tuesday, 31 March 2020, 12:58 AM

State Finished

Completed on Tuesday, 31 March 2020, 1:05 AM

Time taken 6 mins 53 secs

Marks 11.00/13.00

Grade **84.62** out of 100.00

Feedback Congratulations!! You have passed by securing more than 80%

Question 1

Correct

Mark 1.00 out
of 1.00

Given:

```
21. public String makingStrings() {  
22.     String str = "Welcome";  
23.     str = str.substring(1, 5);  
24.     str = str.toUpperCase();  
25.     return str;  
26. }
```

How many String objects will be created when this method is invoked?

Select one:

- a. 4
- b. 3 ✓
- c. 2
- d. 1

Your answer is correct.

The correct answer is: 3

Question 2

Correct

Mark 1.00 out
of 1.00

To copy elements from one array to another array, Java provides efficient built-in methods in _____ class.

Select one:

- a.
Object
- b.
Array
- c.
Arrays ✓
- d. Collection

Your answer is correct.

The correct answer is:

Arrays





Correct
Mark 1.00 out
of 1.00

```
public class Main {
    public static void test(String str) {
        if (str == null | str.length() == 0) {
            System.out.println("String is empty");
        } else {
            System.out.println("String is not empty");
        }
    }

    public static void main(String a[]) {
        test(null);
    }
}
```

What is the result?

Select one:

- a. An exception is thrown at runtime. ✓
- b. "String is empty" is printed to output.
- c. Compilation fails
- d. "String is not empty" is printed to output.

Your answer is correct.

The correct answer is: An exception is thrown at runtime.

Question 4

Correct
Mark 1.00 out
of 1.00

Determine the output:

```
public class Test {
    public static void main(String[] args) {
        int[] arr1 = {11,12,13,14,14,15};
        int[] arr2 = arr1;
        arr1 = new int[3];
        for(int i = 0; i < arr1.length; i++)
            System.out.print(arr2[i] + " ");
    }
}
```

Select one:

- a. 11 12 13 14 15
- b. 0 0 0 0 0
- c. 0 0 0
- d. 11 12 13 ✓

Your answer is correct.

The correct answer is: 11 12 13



Correct

Mark 3.00 out
of 3.00

Choose correct answer - true / false

```
String[] cities = new String[]{"London", "Paris", "NewYork", "HongKong", "Tokyo"};  
String[] metros = new String[]{"London", "Paris", "NewYork", "HongKong", "Tokyo"};  
String[] capitals = cities;  
  
System.out.println("cities == metros : " + (cities == metros));  
System.out.println("cities == capitals : " + (cities == capitals));  
System.out.println("cities.equals(metros) : " + cities.equals(metros));  
System.out.println("cities.equals(capitals) : " + cities.equals(capitals));  
System.out.println("Arrays.equals(cities, metros) : " + Arrays.equals(cities, metros));  
System.out.println("Arrays.equals(cities, capitals) : " + Arrays.equals(cities, capitals));
```

What will be the correct answer for the following?

cities.equals(capitals) : true ✓Arrays.equals(cities, metros) : true ✓cities == metros : false ✓

Question 6

Incorrect

Mark 0.00 out
of 1.00

In Java, what happens if you try to compile the below code :

```
class MyStringDemo extends String {  
}
```

Select one:

- a. The code does not compile because the String class is final.
- b. The code compiles successfully. ✗
- c. The code does not compile because the String class is abstract.
- d. The code does not compile because you have not defined a main() method.

Your answer is incorrect.

The correct answer is: The code does not compile because the String class is final.



Correct
Mark 1.00 out
of 1.00

```
public class StringDemo {  
    public static void main(String[] args) {  
        String s1=new String("java");  
        String s2=new String("java");  
        System.out.println(s2.compareTo(s1));  
    }  
}
```

The output of the code is

Select one:

- a. 1
- b. 0 ✓
- c. false
- d. true

Your answer is correct.

The correct answer is: 0

Question 8

Correct
Mark 1.00 out
of 1.00

What will be the output of the program?

```
public class Test {  
    public static void main (String args[]) {  
        String str = NULL;  
        System.out.println(str);  
    }  
}
```

Select one:

- a. Compile time error ✓
- b. Runtime Exception
- c. NULL
- d. Code runs but no output

Your answer is correct.

The correct answer is: Compile time error

Correct

Mark 1.00 out
of 1.00

```
String str = "welcome";
str.toUpperCase(); /* Line 2 */
String s1 = str.replace('C', 'c');
s1 = s1 + " to Java";
System.out.println(s1);
```

Select one:

- a. WELcOME to Java
- b. welcome to Java ✓
- c. WELCOME TO JAVA
- d. WELCOME to Java

Your answer is correct.

The correct answer is: welcome to Java

Question 10

Correct

Mark 1.00 out
of 1.00

Predict the output:

```
public class Trial {
    public static void main(String[] args) {
        int arr[4]={ };
        System.out.print(arr[0]);
    }
}
```

Select one:

- a. Compile time error ✓
- b. Runtime error
- c. ArrayIndexOutOfBoundsException
- d. 0

Your answer is correct.

The correct answer is: Compile time error



Question 11

Incorrect

Mark 0.00 out
of 1.00

Observe the code.

```
int arr[]={12,4,22,5,1,66};  
int position = Arrays.binarySearch(arr,5);  
System.out.println(position);
```

What will be the output of the above code snippet?

Select one:

- a.
Unpredictable
- b. Compilation error
- c.
3
- d.
2

Your answer is incorrect.

The correct answer is:

Unpredictable



Started on Wednesday, 1 April 2020, 5:24 PM

State Finished

Completed on Wednesday, 1 April 2020, 5:29 PM

Time taken 4 mins 19 secs

Marks 7.00/8.00

Grade 87.50 out of 100.00

Feedback Congratulations!! You have passed by securing more than 80%

Question 1

Correct

Mark 1.00 out of 1.00

An abstract class can can ✓ have non abstract methods also.

Your answer is correct.

The correct answer is:

An abstract class [can] have non abstract methods also.

Question 2

Correct

Mark 1.00 out of 1.00

```
10. abstract public class Employee {  
11. protected abstract double getSalesAmount();  
12. public double getCommision() {  
13. return getSalesAmount() * 0.15;  
14. }  
15. }  
16. class Sales extends Employee {  
17. protected double getSalesAmount() { return 1230.45; } ✓  
18. }
```

Which method, inserted at line 17, correctly complete the Sales class?

Since the Sales class is not abstract, it must have the implementation for the abstract method in Employee class. We must not reduce the visibility of the method in the child class. Hence, protected double getSalesAmount() {}

The correct answer is:

```
10. abstract public class Employee {  
11. protected abstract double getSalesAmount();  
12. public double getCommision() {  
13. return getSalesAmount() * 0.15;  
14. }  
15. }  
16. class Sales extends Employee {  
17. [protected double getSalesAmount() { return 1230.45; }]  
18. }
```

Which method, inserted at line 17, correctly complete the Sales class?

Correct

Mark 1.00 out
of 1.00

Your answer is correct.

The correct answer is:

Abstract methods [cannot] be final.

Correct

Mark 1.00 out
of 1.00

```

abstract class Shape
{
    int i = 111, j = 222;
    abstract void calcArea();
    abstract void calcVolume();
}

abstract class Quadrilateral extends Shape
{
    void calcArea()
    {
        System.out.println(i);
    }
}

class Square extends Quadrilateral
{
    void calcVolume()
    {
        System.out.println(j);
    }
}

public class Test
{
    public static void main(String[] args)
    {
        Square c = new Square();
        c.calcArea();
        c.calcVolume();
    }
}

```

Select one:

- a. Compile time error because trying to instantiate the 'class Square' which does not override all the abstract methods
- b. Compile time error because 'class Square' is not override all the abstract methods, so should declare it as 'abstract'
- c. Run time Error
- d. 111
222 ✓

Here is multilevel inheritance. The main method has object created for class Square, referred by Square type reference.

The abstract methods clacArea() and calcVolume() in parent have their implementation within their children. Only when an implementation is not found child class, it is searched for in parent class and executed. Hence 111, 222.

The correct answer is: 111
222

Correct

Mark 1.00 out
of 1.00

```
abstract class Demo
{
    public int a;
    Demo()
    {
        a = 10;
    }
    abstract public void set();
    abstract final public void get();
}

class Test extends Demo
{
    public void set(int a)
    {
        this.a = a;
    }
    final public void get()
    {
        System.out.println("a = " + a);
    }
    public static void main(String[] args)
    {
        Test obj = new Test();
        obj.set(20);
        obj.get();
    }
}
```

Select one:

- a. a = 20
- b. a = 10
- c. Compilation error ✓

Your answer is correct.

The correct answer is: Compilation error

**Question
6**

Incorrect

Mark 0.00 out
of 1.00

Will the following code get executed successfully ?

```
abstract class Shape
{
    int i = 111, j = 222;
    abstract void calcArea();
    abstract void calcVolume();
}

abstract class Square extends Shape
{
    void calcVolume() { System.out.println(j); }
    void calcArea(){ System.out.println(j); }
}

public class Test
{
    public static void main(String[] args)
    {
        Square c = new Square();
        c.calcArea();
        c.calcVolume();
    }
}
```

Select one:

- a. Yes, the code will get executed successfully. ✗
- b.
No – Compilation error.

Object cannot be created for abstract class.

The correct answer is:

No – Compilation error.

Correct

Mark 1.00 out
of 1.00**ABSTRACT CLASS DEMO**

```

abstract class Demo
{
    public int a;
    Demo()
    {
        a = 10;
    }
    abstract public void set();
}

class Test extends Demo
{
    final public void get()
    {
        System.out.println("a = " + a);
    }
    public static void main(String[] args)
    {
        Test obj = new Test();
        obj.get();
    }
}

```

Select one:

- a. Compile Time Error ✓
- b. Runtime Exception
- c. a=10

The program produces compile time error because the abstract set method in the parent has not found its implementation in child class (which has the main method too).

The correct answer is: Compile Time Error

**Question
8**

Correct

Mark 1.00 out
of 1.00

Will the below code will execute successfully ?

```

abstract class Shape
{
    final abstract int calcArea();
}

```

Select one:

- True
- False ✓

Since the abstract method within the abstract class is declared final, it can never be implemented in any of its child classes. Hence, it is an error.

The correct answer is 'False'.

Started on Tuesday, 31 March 2020, 12:04 AM

State Finished

Completed on Tuesday, 31 March 2020, 12:27 AM

Time taken 23 mins 15 secs

Marks 9.67/12.00

Grade **80.56** out of 100.00

Feedback Congratulations!! You have passed by securing more than 80%

Question 1

Incorrect

Mark 0.00 out of 1.00

```
10. class FourWheeler {
    11. protected  void display() {}
    12. }
    13. class Car extends FourWheeler {
    14. private  void display() {}
    15. }
```

Which method at line 14, will correctly complete class Car?

The visibility of a method can only be increased as we traverse down the hierarchy.

The correct answer is:

```
10. class FourWheeler {
    11. [private] void display() {}
    12. }
    13. class Car extends FourWheeler {
    14. [protected] void display() {}
    15. }
```

Which method at line 14, will correctly complete class Car?

Question 2

Correct

Mark 1.00 out of 1.00

Given a method in a public class, private   access modifier must be used to restrict access to that method to only the other members of the same class.

Your answer is correct.

The correct answer is:

Given a method in a public class, [private] access modifier must be used to restrict access to that method to only the other members of the same class.



Correct

Mark 1.00 out
of 1.00

A default member of a super class in one package be accessed in its own subclass which is in a different package.

A protected member of a super class in one package be accessed by its own subclass which is in a different package.

Your answer is correct.

The correct answer is:

Constructor of the superclass [can] be invoked by from its subclass.

A default member of a super class in one package [cannot] be accessed in its own subclass which is in a different package.

A protected member of a super class in one package [can] be accessed by its own subclass which is in a different package.



Correct
Mark 1.00 out
of 1.00

```
class FourWheeler
{
    public FourWheeler()
    {
        System.out.println("Class FourWheeler");
    }
}
class Car extends FourWheeler
{
    public Car()
    {
        System.out.println("Class Car");
    }
}
class Audi extends Car
{
    public Audi()
    {
        super();
        System.out.println("Class Audi");
    }
}
class Driver
{
    public static void main(String args[])
    {
        Audi cc=new Audi();
    }
}
```

Select one:

- a.
Exception occurs
- b.
Class Audi
Class Car
Class FourWheeler
- c.
Compile Time Error
- d.
Class FourWheeler
Class Car
Class Audi

The first statement that always gets executed from within any constructor is `super()` which means the invocation of `super` class no-parameterized constructor.

FourWheeler is the parent of Car and Car is the parent of Audi. The no-parameterized constructor call of Audi happens from the driver class. Followed by the no-parameterized constructor call of Car. Followed by the no-parameterized constructor call of FourWheeler. Hence, the output "Class Four WheelerClass Car Class Audi".

The correct answer is:

Class FourWheeler
Class Car
Class Audi

Correct

Mark 1.00 out
of 1.00

Select one:

- a. Computer, AppleComputer and IBMComputer are sibling classes.
- b. Computer is a superclass, AppleComputer is a subclasses of Computer, and IBMComputer is a sublcas of AppleComputer
- c. Computer is the super class, AppleComputer and IBMComputer are subclasses of computer ✓
- d. IBMComputer is the superclass, AppleComputer and Computer are subclasses of IBMComputer.

Your answer is correct.

The correct answer is: Computer is the super class, AppleComputer and IBMComputer are subclasses of computer

**Question
6**

Correct

Mark 1.00 out
of 1.00

Given:

```
class FourWheeler
{
    public FourWheeler ()
    {
        System.out.print(1);
    }
}
class Car extends FourWheeler
{
    public Car()
    {
        System.out.print(2);
    }
}
class Audi extends Car
{
    public Audi()
    {
        System.out.print(3);
    }
}
public class Driver
{
    public static void main( String[] args )
    {
        new Audi();
    }
}
```

What is the result when this code is executed?

Select one:

- a. The code runs with no output
- b. 321
- c. 3
- d. 123 ✓

The first statement that always gets executed from within any constructor is super() which means the invocation of super class no-parameterized constructor.

FourWheeler is the parent of Car and Car is the parent of Audi. The no-parameterized constructor call of Audi happens from the driver class. Followed by the no-parameterized constructor call of Car. Followed by the no-parameterized constructor call of FourWheeler. Hence, the output "123".

The correct answer is: 123

**Question
7**

Partially correct

Mark 0.67 out of 1.00

Interpret which of the following statements are correct with respect to inheritance relationship in java?

Select one or more:

- a. object of subclass referenced by super class type can invoke overridden sub class methods ✓
- b. object of subclass referenced by super class type can access super class variables
- c. object of subclass referenced by super class type can access newly defined sub class variables
- d. object of subclass referenced by super class type can invoke newly defined sub class methods
- e. object of subclass referenced by super class type can invoke super class methods ✓

Your answer is partially correct.

You have correctly selected 2.

The correct answers are: object of subclass referenced by super class type can invoke super class methods, object of subclass referenced by super class type can invoke overridden sub class methods, object of subclass referenced by super class type can access super class variables

**Question
8**

Correct

Mark 1.00 out of 1.00

Default Access ✓ is the most restrictive access modifier that will allow members of one class to have access to members of another class in the same package.

Your answer is correct.

The correct answer is:

[Default Access] is the most restrictive access modifier that will allow members of one class to have access to members of another class in the same package.



Incorrect
Mark 0.00 out
of 1.00

```
{  
    //logic with return statement  
}  
}  
  
class Car extends FourWheeler  
{  
    protected void getObject() {}   
}  
  
class Driver  
{  
    public static void main(String args[])  
    {  
        FourWheeler object = new Car();  
        object.getObject();  
    }  
}
```

private FourWheeler getObject() {}

protected Car getObject() {}

Car getObject() {}

Java 5.0 onwards it is possible to have different return type for a overriding method in child class, but child's return type should be sub-type of parent's return type. The visibility of a method can only be increased as we traverse down the hierarchy.

The correct answer is:

```
class FourWheeler{  
protected FourWheeler getObject()  
{  
    //logic with return statement  
}  
}  
  
class Car extends FourWheeler  
{  
    [protected Car getObject() {}]  
}  
  
class Driver  
{  
    public static void main(String args[])  
    {  
        FourWheeler object = new Car();  
        object.getObject();  
    }  
}
```

Correct

Mark 1.00 out
of 1.00

TemporaryEmployee are declared in another package **subordpack**. The basicPay attribute should be accessed only by means of a derived class object.

How to ensure that the basicPay attribute is not accessed directly by the other classes in the subordpack?

Employee.java

```
package mainpack  ;  
  
public class Employee{  
    protected  int basicPay;  
}  
/*PermanentEmployee.java*/  
  
package subordpack  ;  
  
public class PermanentEmployee extends Employee{  
....  
}  
//TemporaryEmployee.java  
  
package subordpack  ;  
  
public class TemporaryEmployee extends Employee{  
....  
}
```

For a child class that is residing in a package to access a variable of its parent that is residing in a different package, the variable in the parent has to be declared "protected" so that it will be visible to all its children across packages. The "protected" basicPay attribute is not accessed directly by the other classes in the subordpack, in our case.

The correct answer is:

The class Employee is declared in a package **mainpack** and the Derived classes PermanentEmployee and TemporaryEmployee are declared in another package **subordpack**. The basicPay attribute should be accessed only by means of a derived class object.

How to ensure that the basicPay attribute is not accessed directly by the other classes in the subordpack?

Employee.java

```
package [mainpack];  
public class Employee{  
[protected] int basicPay;  
}  
/*PermanentEmployee.java*/  
package [subordpack];  
public class PermanentEmployee extends Employee{  
....  
}  
//TemporaryEmployee.java  
package [subordpack];  
public class TemporaryEmployee extends Employee{  
....  
}
```

Question 11

Correct

Mark 1.00 out
of 1.00

State True or False

Child class objects can be instantiated when the parent class constructor is protected

Select one:

True ✓

False

The correct answer is 'True'.



Correct
Mark 1.00 out
of 1.00

```
private void add(int operand1, int operand2)
{
    System.out.println(operand1 + operand2);
}

public class Addition extends ArithmeticOperation
{
    public void show()
    {
        add(10, 12);
    }

    public static void main(String args[])
    {
        Addition ob = new Addition();
        ob.show();
    }
}
```

What will be the output of above code when compiled and executed?

Select one:

- a. Runtime error as add method is not defined in MethodOverriding class
- b. Will compile and display 32
- c. Compile time error ✓
- d. Will compile and display 1012
- e. Will print false

The method add cannot be invoked from anywhere since it's declared private

The correct answer is: Compile time error

Started on Saturday, 4 April 2020, 12:25 AM

State Finished

Completed on Saturday, 4 April 2020, 12:28 AM

Time taken 3 mins 17 secs

Marks 8.00/9.00

Grade **88.89** out of 100.00

Feedback Congratulations!! You have passed by securing more than 80%

Question 1

Correct

Mark 1.00 out of 1.00

Predict the output

```
class Car implements Insurance
{
    public int calcPremium(int i)
    {
        return i = i * i;
    }
}

interface Insurance
{
    int calcPremium(int i);
}

public class MainClass
{
    public static void main(String[] args)
    {
        Insurance b = new Car();
        System.out.println(b.calcPremium(2));
    }
}
```

Select one:

- a. Compile time error because you cannot create an object of type interface Insurance
- b. Run time Error
- c. The output will be 4 ✓
- d. Compile time error because you must create interface before implementing it.

b.calcPremium(2) will look for the method within the interface - b being the reference of interface type.

The definition of this method is given in the Car class that has implemented this interface. With $i=i*i$, the output is 4.

The correct answer is: The output will be 4

CorrectMark 1.00 out
of 1.00

```

interface DoStuff2
{
    float getRange(int low, int high);
}

interface DoMore
{
    float getAvg(int a, int b, int c);
}

abstract class DoAbstract implements DoStuff2, DoMore
{}

class DoStuff implements DoStuff2
{
    public float getRange(int x, int y)
    {
        return 3.14f;
    }
}

interface DoAll extends DoMore
{
    float getAvg(int a, int b, int c, int d);
}

```

Select one:

- a. Compile time Error
- b. The file will compile without error. ✓
- c. Runtime Error

Your answer is correct.

The correct answer is: The file will compile without error.

Question 3

CorrectMark 1.00 out
of 1.00

The type Vehicle has drive functionality. The classes Car and Bike implements the drive functionality and can be further subclassed. Fill in the given code with appropriate access specifier so that the subclasses of Car and Bike do not modify the Drive functionality.

```

interface Vehicle{
    void drive();
}

class Car implements Vehicle{
    public [ ] final [ ] void drive()  {
        //drive
    }
}

```

Your answer is correct.

The correct answer is:

The type Vehicle has drive functionality. The classes Car and Bike implements the drive functionality and can be further subclassed. Fill in the given code with appropriate access specifier so that the subclasses of Car and Bike do not modify the Drive functionality.

```

interface Vehicle{
    void drive();
}

class Car implements Vehicle{
    [public] [final] void drive()  {
        //drive
    }
}

```

Correct

Mark 1.00 out
of 1.00

```

abstract class Vehicle
{
    abstract void calcPremium(Number N);
}

interface Insurance
{
    abstract void calcPremium (Object O);
}

class Car extends Vehicle implements Insurance
{
    public void calcPremium (Object O)
    {
        System.out.println("Object");
    }

    void calcPremium (Number N)
    {
        System.out.println("Number");
    }
}

public class Test
{
    public static void main(String[] args)
    {
        Vehicle a = new Car();
        a. calcPremium (new Integer(121));
        Insurance b = new Car();
        b. calcPremium (new Integer(121));
        Car c = new Car();
        c. calcPremium (new Integer(121));
    }
}

```

Select one:

- a. Number
Object
Number ✓
- b. Number
Number
Object
- c. Run time error
- d. Compile time error

a. calcPremium () with an integer object invokes this method within the Car class that takes Number argument. This is because a is the Vehicle type reference and Vehicle class has calcPremium () with a Number argument declared abstract. Hence, Number.

b. calcPremium () with an integer object invokes this method within the Car class that takes Object argument. This is because b is the Insurance type reference and Insurance interface has calcPremium () with an Object argument declared abstract. Hence, Object.

c. calcPremium () with an integer object invokes this method within the Car class that takes Number argument. Hence, Number.

The correct answer is: Number

Object

Number

Correct
Mark 1.00 out of 1.00

```
interface Employee
{
    int a=90;
}

class PermanentEmployee implements Employee
{
    public void f1()
    {
        a=10;
    }
}
```

Select one:

- a. error, since interface Employee is not public
- b. error, since variable a is default
- c. error, since variable a is assigned a value ✓
- d. no error

Variables within interface are static and final by default. They can not be assigned a value in the classes that implement this interface.

The correct answer is: error, since variable a is assigned a value

Question 6

Incorrect
Mark 0.00 out of 1.00

If a class implements two interfaces and they both have a default method with same name and signature but different implementation, then a conflict will arise because the compiler will not be able to link a method call due to ambiguity. State true or false.

Select one:

- True
- False ✕

The correct answer is 'True'.

Question 7

Correct
Mark 1.00 out of 1.00

```
11. public interface Status {
12.     public static final ✓ double PI = 3.14;
13. }
```

Fill the correct choice.

Your answer is correct.

The correct answer is:

```
11. public interface Status {
12.     public static final double PI = 3.14;
13. }
```

Fill the correct choice.

Correct

Mark 1.00 out
of 1.00

```
public void insuranceDescription(String s),  
}
```

Which is the correct class?

Select one:

- a. public class Car implements Insurance


```
{  
    public void insuranceDescription (Integer i) {}  
}
```
- b. public abstract class Car implements Insurance


```
{  
    public abstract void insuranceDescription (String s) {}  
}
```
- c. public class Car extends Insurance


```
{  
    public void insuranceDescription (Integer i) {}  
}
```
- d. public abstract class Car implements Insurance {} ✓

Your answer is correct.

The correct answer is: public abstract class Car implements Insurance {}

Question 9

Correct

Mark 1.00 out
of 1.00

An interface can contain public, static, final fields (i.e., constants) default and static methods with bodies

True ✓

An instance of interface can be created.

False ✓

A class can implement multiple interfaces.

True ✓

Many classes can implement the same interface.

True ✓

Your answer is correct.

The correct answer is:

An interface can contain public, static, final fields (i.e., constants) default and static methods with bodies [True]

An instance of interface can be created.[False]

A class can implement multiple interfaces. [True]

Many classes can implement the same interface.[True]



Started on Wednesday, 1 April 2020, 4:19 PM

State Finished

Completed on Wednesday, 1 April 2020, 4:21 PM

Time taken 2 mins 22 secs

Marks 8.00/10.00

Grade **80.00** out of 100.00

Feedback Congratulations!! You have passed by securing more than 80%

Question 1

Correct

Mark 1.00 out
of 1.00

What will be the output of the following program ?

```
class A
{
    public void test()
    {
        System.out.println("Class A");
    }
}

public class Trial extends A
{
    public void test()
    {
        System.out.println("Class Trial");
    }

    public static void main(String args[])
    {
        Trial object = (Trial) new A();
        object.test();
    }
}
```

Select one:

- a. Runtime Error ✓
- b. Compile Time Error
- c. Class Trial
- d. Class A

Trial object = (Trial) new A(); produces run time exception because a parent object can never be referred by a child type reference.

The correct answer is: Runtime Error

Correct

Mark 1.00 out
of 1.00

Observe the following code

```
class FourWheeler
{
    public void display()
    {
        System.out.println("FourWheelers displayed");
    }
    public void get()
    {
        System.out.println("Get FourWheelers");
        display();
    }
}
class Car extends FourWheeler
{
    public void display()
    {
        System.out.println("Cars displayed");
        super.display();
    }

    public static void main(String [] args)
    {
        FourWheeler f=new Car();
        f.get();
    }
}
```

What is the output of the above code ?

Select one:

- a.
Get FourWheelers
Cars displayed
FourWheelers displayed ✓
- b.
Get FourWheelers
FourWheelers displayed
- c.
FourWheelers displayed
Cars displayed
- d.
Get FourWheelers
FourWheelers displayed
Cars displayed

The main method has child object referred by parent reference. In this case, on invoking any method, only when a method is unavailable in the child, it is searched for in the parent.

The functions get executed in the following order.

get() of FourWheeler class
display() of Car class
display() of FourWheeler class

The correct answer is:

Get FourWheelers
Cars displayed
FourWheelers displayed

Correct

Mark 1.00 out
of 1.00

```

Class Icecream{
    public void displayName(String...s){
        System.out.println(s+" "+"Icecream");
    }
    public void describe(String s) {
        System.out.println(s+" "+"Icecream: Ice cream is a sweetened frozen food typically eaten as a snack or dessert. ");
    }
}
class Faloodeh extends Icecream {
    public void displayName (String s){
        System.out.println(s+" "+"Faloodeh ");
    }
}

public void describe (String s) {
    System.out.println(s+" "+"Faloodeh: Faloodeh is often served alongside Persian-style dairy-based ice cream ");
}
}

public class Test {
    public static void main(String arg[]) {
        Icecream a=new Faloodeh ();
        Faloodeh b=( Faloodeh)a;
        a.displayName ("test"); b.displayName ("test");
        a. describe ("test");b. describe ("test");
    }
}

```

Select one:

- a. test Faloodeh: Faloodeh is often served alongside Persian-style dairy-based ice cream
test Faloodeh
test Faloodeh
test Faloodeh: Faloodeh is often served alongside Persian-style dairy-based ice cream
- b. test Faloodeh
test Faloodeh
test Faloodeh: Faloodeh is often served alongside Persian-style dairy-based ice cream
test Faloodeh: Faloodeh is often served alongside Persian-style dairy-based ice cream ✓
- c. test Faloodeh
test Faloodeh: Faloodeh is often served alongside Persian-style dairy-based ice cream
test Faloodeh: Faloodeh is often served alongside Persian-style dairy-based ice cream
test Faloodeh
- d. test Faloodeh: Faloodeh is often served alongside Persian-style dairy-based ice cream
test Faloodeh: Faloodeh is often served alongside Persian-style dairy-based ice cream
test Faloodeh
test Faloodeh

The main method has child object(Faloodeh) referred by parent reference(Icecream).

Then the parent reference is downcasted to child type reference and assigned to the new child reference.

On invoking `displayName()` with downcasted parent and child reference, the definition in child is implemented.

On invoking `describe()` with downcasted parent and child reference, the definition in child is implemented.

The correct answer is: test Faloodeh

test Faloodeh

test Faloodeh: Faloodeh is often served alongside Persian-style dairy-based ice cream

test Faloodeh: Faloodeh is often served alongside Persian-style dairy-based ice cream

Incorrect
Mark 0.00 out
of 1.00

Select one:

- a. Exception occurs ✗
- b. Compilation Error : we can't inherit the class which is "final".
- c. not necessary to create reference, automatically calls by the sub class reference.
- d. Test t=new Test();

Your answer is incorrect.

The correct answer is: Compilation Error : we can't inherit the class which is "final".

Question 5

Correct
Mark 1.00 out
of 1.00

What will be the output of the program?

```
class Tree {}  
class Pine extends Tree {}  
class Oak extends Tree {}  
public class Forest1  
{  
    public static void main (String [] args)  
    {  
        Tree tree = new Pine();  
        if( tree instanceof Pine )  
            System.out.println ("Pine");  
        else if( tree instanceof Tree )  
            System.out.println ("Tree");  
        else if( tree instanceof Oak )  
            System.out.println ( "Oak" );  
        else  
            System.out.println ("Oops ");  
    }  
}
```

Select one:

- a. Tree
- b. Pine ✓
- c. Forest
- d. Oops

Since Pine object is held by Tree type reference - tree, the first condition in the if construct evaluates to true and hence, "Pine".

The correct answer is: Pine

Question 6

Correct
Mark 1.00 out
of 1.00

The equals() method takes the reference of Object as parameter. State true or false.

Select one:

- True ✓
- False

The correct answer is 'True'.

Correct

Mark 1.00 out
of 1.00

Your answer is correct.

The correct answer is:

[final methods] can't be overridden.

**Question
8**

Not answered

Marked out of
1.00

Which three statements are true?

Select one or more:

- a. A protected method in class X can be overridden by a subclass of X only if the subclass is in the same package as X.
- b. A public static method in class X can be called by a subclass of X without explicitly referencing the class X.
- c. A non-static public final method in class X can be overridden in any subclass of X.
- d. A private static method can be called only within other static methods in class X.
- e. A method with the same signature as a private final method in class X can be implemented in a subclass of X.
- f. A final method in class X can be abstract if and only if X is abstract.
- g. A protected method in class X can be overridden by any subclass of X.

Your answer is incorrect.

The correct answers are: A protected method in class X can be overridden by any subclass of X., A public static method in class X can be called by a subclass of X without explicitly referencing the class X., A method with the same signature as a private final method in class X can be implemented in a subclass of X.

Correct

Mark 1.00 out
of 1.00

```
Calculator()
{
    System.out.println("Basic arithmetic operation ");
}

Calculator (int x)
{
    this();
    System.out.println(x + " " + "is the only operand supplied");
}

Calculator(int x, int y)
{
    this(5);
    System.out.println("Two operands supplied are multiplied and the resultant is "+ x * y);
}

public static void main(String args[])
{
    new Calculator(8, 10);
}
```

Select one:

- a. Compilation error
- b. 5 is the only operand supplied
Two operands supplied are multiplied and the resultant is 80
Basic arithmetic operation
- c. Basic arithmetic operation
Two operands supplied are multiplied and the resultant is 80
5 is the only operand supplied
- d. Basic arithmetic operation
5 is the only operand supplied
Two operands supplied are multiplied and the resultant is 80 ✓

The main method has the two parameterized constructor call. the first statement within this definition is one parameterized constructor call. And the first statement within this is no parameterized constructor call.

Hence the output : Basic arithmetic operation , 5 is the only operand supplied, Two operands supplied are multiplied and the resultant is 80.

The correct answer is: Basic arithmetic operation
5 is the only operand supplied
Two operands supplied are multiplied and the resultant is 80

Correct

Mark 1.00 out
of 1.00

```
1. class Dog {}  
2. class Beagle extends Dog {}  
3.  
4. class Kennel {  
5. public static void main(String [] arfs) {  
6. Beagle b1 = new Beagle();  
7. Dog dog1 = new Dog();  
8. Dog dog2 = b1;  
9. Beagle b3 = (Beagle) dog2; ✓  
10. }  
11. }
```

Which, inserted at line 9, will compile?

Beagle b4 = dog2; is wrong because a child type reference can never hold the parent object or parent reference.
Beagle b3 = (Beagle) dog2; is right because a downcasted parent reference can be assigned to a child reference.

The correct answer is:

Given:

```
1. class Dog {}  
2. class Beagle extends Dog {}  
3.  
4. class Kennel {  
5. public static void main(String [] arfs) {  
6. Beagle b1 = new Beagle();  
7. Dog dog1 = new Dog();  
8. Dog dog2 = b1;  
9. [Beagle b3 = (Beagle) dog2;]  
10. }  
11. }
```

Which, inserted at line 9, will compile?

Started on Friday, 27 March 2020, 1:39 AM

State Finished

Completed on Friday, 27 March 2020, 1:41 AM

Time taken 1 min 20 secs

Marks 7.00/7.00

Grade 100.00 out of 100.00

Feedback Congratulations!! You have secured more than 80%

Question 1

Correct

Mark 1.00 out of 1.00

```
class ProductNotFoundException extends Exception {  
    //Some code  
}  
  
class Shop {  
    public void findProduct(int productId) throws ProductNotFoundException {  
        //some code  
        throw new ProductNotFoundException();  
        //some code  
    }  
}  
  
class ABCShop{  
    public void findProductsList(){  
        new Shop().findProduct(101);  
    }  
}
```

Which of the following statements are true for the above code?

Select one or more:

- a. This code will compile but returns no output
- b. This code will compile if we add a try-catch block in findProductsList(). ✓
- c. This code will compile if in method findProductsList () returns a list instead of void
- d. This code will compile if we add throws ProductNotFoundException in the signature of method findProductsList(). ✓

Your answer is correct.

The correct answers are: This code will compile if we add a try-catch block in findProductsList(), This code will compile if we add throws ProductNotFoundException in the signature of method findProductsList().

Question 2

Correct

Mark 1.00 out of 1.00

When a code needs to be executed whether or not an exception occurs, that code can be written in ____ block.

Select one:

- a. try
- b. catch
- c. finally ✓
- d. throw

Your answer is correct.

The correct answer is: finally

Correct

Mark 1.00 out
of 1.00

Select one:

- a. All the above options
- b. Try with resources ✓
- c. Try with static
- d. Try with multicatch

Your answer is correct.

The correct answer is: Try with resources

Question 4

Correct

Mark 1.00 out
of 1.00

Observe the code.

```
public class Sample {  
    public static void main(String args[]) {  
        int i=10,j=0,k;  
        try {  
            k=i/j;  
        }  
        catch(Exception e) {  
            System.out.println("Exception");  
        }  
        catch(ArithmeticException e) {  
            System.out.println("Arithmetic exception");  
        }  
    }  
}
```

Predict the output.

Select one:

- a. Runtime exception
- b. Exception
ArithmaticException
- c. ArithmaticException
- d. ArithmaticException
Exception
- e. Compilation Fails ✓

Your answer is correct.

The correct answer is: Compilation Fails

Correct
Mark 1.00 out
of 1.00

```
class Parent{  
    public int display(String str, int... data)throws Exception{  
        String s = "(String, int[])";  
        System.out.println("Parent "+str + " " + s);  
        return 1;  
    }  
}  
  
class Child extends Parent{  
    public int display(String str, int... data){  
        String s = "(String, int[])";  
        System.out.println("Overridden: "+ str+ " " +s);  
        return 0;  
    }  
  
    public static void main(String... args) {  
        try {  
            Parent sb = new Child();  
            sb.display("Welcome", 5);  
        }  
        catch(Exception e) {  
  
        }  
    }  
}
```

Select one:

- a. Compilation fails
- b. Overridden: Welcome (String, int[]) ✓
- c. Parent Welcome (String, int[])
- d. Run time error

Your answer is correct.

The correct answer is: Overridden: Welcome (String, int[])

Correct
Mark 1.00 out
of 1.00

```
public class Sample {
    public static void main(String args[]) {
        try {
            int i = 10, j=0, k=0;
            System.out.println ("i="+i+" j="+j);
            k = i / j;
            System.out.println ("k=" + k);
        }
        catch(ArithmaticException e) {
            System.out.println ("Divide by zero");
        }
        finally {
            System.out.println ("finally block gets executed");
        }
    }
}
```

Select one:

- a. i=10 j=0
Divide by zero
k=0
finally block gets executed
- b. i=10 j=0
Divide by zero
finally block gets executed ✓
- c. Divide by zero
finally block gets executed
- d. i=10 j=0
Divide by zero
finally block gets executed
k=0

Your answer is correct.

The *finally block* is the last block that gets executed whether or not an exception occurs

The correct answer is: i=10 j=0

Divide by zero
finally block gets executed

Question 7

Correct
Mark 1.00 out
of 1.00

An exception can be thrown explicitly by using the _____ keyword.

Select one:

- a. finally
- b. throw ✓
- c. throws
- d. catch

Your answer is correct.

The correct answer is: throw



Started on Friday, 27 March 2020, 1:34 AM

State Finished

Completed on Friday, 27 March 2020, 1:35 AM

Time taken 1 min 27 secs

Marks 7.00/7.00

Grade **100.00** out of 100.00

Feedback Congratulations!! You have secured more than 80%

Question 1

Correct

Mark 1.00 out
of 1.00

Predict the output.

```
abstract class Sample {  
    public int x;  
    Sample() {  
        x = 10;  
    }  
    abstract final public void display();  
  
    class Test extends Sample {  
        final public void display() {  
            System.out.println("x = " + x);  
        }  
        public static void main(String[] args) {  
            Test t = new Test();  
            t.display();  
        }  
    }  
}
```

Select one:

- a. x = 10
- b. x = 0
- c. Runtime error
- d. Compile Time error ✓

Your answer is correct.

The correct answer is:

Compile Time error

Correct

Mark 1.00 out
of 1.00

Statement 1 : An abstract class cannot have non abstract methods

Statement 2 : An abstract class should have a minimum of one abstract method in its class.

Select one:

- a. Statement 2 alone is true
- b. Statement 1 alone is true
- c. Both Statement 1 and Statement 2 are true
- d. Statement 1 and Statement 2 are false ✓

Your answer is correct.

The correct answer is: Statement 1 and Statement 2 are false

**Question
3**

Correct

Mark 1.00 out
of 1.00

Observe the below code.

```
interface A1 {  
    public abstract void a11();  
    public abstract void a12();  
}  
  
interface A2 extends A1 {  
    void a21();  
    void a22();  
}  
  
public class C implements A2 {  
}
```

In the above scenario, which methods should class C override?

Select one:

- a. void a21() {}
void a22(){ }
- b. public void a11() {}
public void a12() {}
void a21() {}
void a22(){ }
- c. public void a21() {}
public void a22(){ }
- d. public void a11() {}
public void a12() {}
public void a21() {}
public void a22(){ } ✓

Your answer is correct.

In an interface when a method is just declared, by default they are public and abstract. So when the methods in an interface are overridden they need to be public (access level cannot be more restrictive). If not it leads to compilation error.

The correct answer is: public void a11() {}
public void a12() {}
public void a21() {}
public void a22(){ }

Correct
Mark 1.00 out of 1.00

Keyword. State true or false.

Select one:

- True
 False ✓

The correct answer is 'False'.

Question 5

Correct
Mark 1.00 out of 1.00

Predict the output of the following program

```
class Parent {  
    public void display() {  
        System.out.println("In Parent");  
    }  
}  
  
class Test extends Parent {  
    public void display() {  
        System.out.println("In child");  
    }  
    public void testMethod() {  
        System.out.println("In test method");  
    }  
    public static void main(String[] args) {  
        Parent p = new Test();  
        p.display();  
        p.testMethod();  
    }  
}
```

Select one:

- a. Compile Time error ✓
 b. In Parent
 In child
 In test method
 c. Runtime error
 d. In child
 In test method

Your answer is correct.

When a parent class reference holds a child class object, using that reference we can invoke the methods in the parent and also the overridden methods in child. To invoke child specific method (testMethod) downcasting needs to be done. If it is accessed directly using parent class reference, it leads to compilation error.

The correct answer is: Compile Time error

Correct

Mark 1.00 out
of 1.00

Select one:

- a. Method Overloading
- b. Method Overriding ✓
- c. Both the options

Your answer is correct.

When parent class reference holds a child class object and we invoke the overridden method, which method is invoked, depends on the object it holds and not on the reference. Object is created at run time. Hence it is an example for run time polymorphism.

The correct answer is: Method Overriding

Question 7

Correct

Mark 1.00 out
of 1.00

If the access specifier of the display method in super class is protected, then what could be the valid specifier for the overriding display method in sub class?

Select one:

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

Your answer is correct.

The subclass overridden method cannot have weaker access than super class method. Which means, when overriding a method, the access level cannot be more restrictive than the overridden methods access level. In parent class the method is protected, then in child class it can be protected or public.

The correct answer is:

protected and public



Started on Friday, 27 March 2020, 1:36 AM

State Finished

Completed on Friday, 27 March 2020, 1:38 AM

Time taken 2 mins 34 secs

Marks 12.00/12.00

Grade **100.00** out of 100.00

Feedback Congratulations!! You have passed by securing more than 80%

Question 1

Correct

Mark 1.00 out
of 1.00

Which is valid about java.lang.Exceptions?

Select one or more:

- a. The class RuntimeException and all its subclasses are unchecked exceptions ✓
- b. The class Exception and all its subclasses that are not also subclasses of RuntimeException are checked exceptions ✓
- c. The class Error and all its subclasses are checked exceptions

Your answer is correct.

The correct answers are: The class Exception and all its subclasses that are not also subclasses of RuntimeException are checked exceptions, The class RuntimeException and all its subclasses are unchecked exceptions

Correct
Mark 1.00 out
of 1.00

```
public class Exception1
{
    public static void main(String[] args)
    {
        System.out.println("method return -> " +m());
    }

    static String m()
    {

        try
        {
            int j= 10/0;
        }
        catch(ArithmeticException e)
        {
            return "catch";
        }
        finally
        {
            return "finally";
        }
    }
}
```

Select one:

- a. method return -> catch
- b.
method return -> finally
- c. compile time Error
- d. runtime exception

"method return ->" is followed by the function call. The try block within the function raises an exception. It is caught and handled. This is followed by the execution of the finally block.

When there's a return statement in both catch and finally block, then return in finally is what is actually returned to the function. Hence, "method return -> finally."

The correct answer is:
method return -> finally

Correct

Mark 1.00 out
of 1.00

Select one:

- a. method will return value returned by finally block ✓
- b. finally block won't execute
- c. method will return value returned by catch block
- d. None

Your answer is correct.

The correct answer is: method will return value returned by finally block

Question 4

Correct

Mark 1.00 out
of 1.00

Which of the given facts are true with respect to the blocks and order of execution of blocks in "Exceptions"?

Select one or more:

- a. One or more catch blocks which are exception handlers are placed immediately after the try block ✓
- b. The try block can be followed by finally block and then followed by the catch blocks
- c. The finally block always executes when the try block exits or when an exception occurs ✓
- d. The finally block is not executed when there is a return statement in the try block
- e. Catch block has an argument which can accept an argument of any exception type and it is the name of a class that inherits from the Throwable class ✓

Your answer is correct.

The correct answers are: One or more catch blocks which are exception handlers are placed immediately after the try block, The finally block always executes when the try block exits or when an exception occurs, Catch block has an argument which can accept an argument of any exception type and it is the name of a class that inherits from the Throwable class

Correct

Mark 1.00 out
of 1.00

```
public class RTException
{
    public static void throwit ()
    {
        System.out.print("throwit ");
        throw new RuntimeException();
    }
    public static void main(String [] args)
    {
        try
        {
            System.out.print("hello ");
            throwit();
        }
        catch (Exception re)
        {
            System.out.print("caught ");
        }
        finally
        {
            System.out.print("finally ");
        }
        System.out.println("after ");
    }
}
```

Select one:

- a. hello throwit caught finally after ✓
- b. Compilation fails
- c. hello throwit caught
- d. hello throwit RuntimeException caught after

The first statement within try is executed. Hence hello.

Then, the throwit() gets invoked. Hence the first statement throwit.

On creating RuntimeException object, it is caught and handled in the catch block. Hence caught.

Finally block is executed whether or not an exception is raised. Hence finally.

The statement that is independent of try will surely get executed. Hence after.

The correct answer is: hello throwit caught finally after

Correct

Mark 1.00 out
of 1.00

```

85. ResourceConnection con = resourcefactory.getConnection();
86. Results r = con.query("GET INFO FROM CUSTOMER");
87. info = r.getData();
88. con.close();
89. } catch (ResourceException re) {
90. errorLog.write(re.getMessage());
91. }
92. return info;

```

Which statement is true if a ResourceException is thrown on line 86?

Select one:

- a. The enclosing method will throw an exception to its caller.
- b. The connection will not be retrieved in line 85.
- c. Line 92 will not execute.
- d. The resource connection will not be closed on line 88. ✓

Your answer is correct.

The correct answer is: The resource connection will not be closed on line 88.

Question 7

Correct

Mark 1.00 out
of 1.00

What will be the output of the program?

```

public class Exception1
{
    public static void main(String [] args)
    {
        try
        {
            badMethod();
            System.out.print("A");
        }
        catch (Exception ex)
        {
            System.out.print("B");
        }
        finally
        {
            System.out.print("C");
        }
        System.out.print("D");
    }
    public static void badMethod() { }
}

```

Select one:

- a.
AC
- b. ABCD
- c.
BC
- d.
ACD ✓

There's no exception raised within the try block. Hence, the print statement within try, finally and the statement outside try and finally, all get executed in sequence. Hence, ACD.

The correct answer is:

ACD

Correct

Mark 1.00 out
of 1.00

Error



Your answer is correct.

The correct answer is:

When a dynamic linking failure happens or a hard failure in the Java virtual machine occurs, the virtual machine throws a/an
[Error]**Question
9**

Correct

Mark 1.00 out
of 1.00

java.lang.Object



class is highest in hierarchy in java

java.lang.Throwable

java.lang.Exception

java.lang.Error

Your answer is correct.

The correct answer is:

[java.lang.Object] class is highest in hierarchy in java

Correct

Mark 1.00 out
of 1.00

```
public class Test {  
    public static void main(String[] args) {  
        String str = null;  
        System.out.println((String)str);  
    }  
}
```

Select one:

- a. null
- b. NullPointerException ✓
- c. ""
- d. str

Your answer is correct.

The correct answers are: null, NullPointerException

**Question
11**

Correct

Mark 1.00 out
of 1.00Exception is a ✓

Your answer is correct.

The correct answer is:
Exception is a [Class]

Correct

Mark 1.00 out
of 1.00

```
import java.io.IOException;
public class Exception1{
    public static void main(String[] args)
    {
        try
        {
            throw new IOException();
        }
        catch(IOException | Exception ex)
        {
            System.out.println(ex + " handled ");
        }
    }
}
```

Select one:

- a. runtime exception
- b. program will compile
- c. program won't compile ✓

Your answer is correct.

The correct answer is: program won't compile



Started on Friday, 27 March 2020, 1:46 AM

State Finished

Completed on Friday, 27 March 2020, 1:47 AM

Time taken 1 min 2 secs

Marks 6.00/6.00

Grade **100.00** out of 100.00

Feedback Congratulations!! You have secured more than 80%

Question 1

Correct

Mark 1.00 out
of 1.00

Which of the following methods is / are available in Collections class?

Select one or more:

- a. binarySearch ✓
- b. shuffle ✓
- c. search
- d. All these options

Your answer is correct.

The correct answers are: shuffle, binarySearch

Question 2

Correct

Mark 1.00 out
of 1.00

Which interface should a class implement so that it can be sorted based on many fields / criteria?

Select one:

- a. Comparator ✓
- b. CompareTo
- c. Comparable
- d. CompareWith

Your answer is correct.

The correct answer is: Comparator

Correct

Mark 1.00 out
of 1.00

```
Set set=new TreeSet();
set.add(9);
set.add(8);
Iterator it=set.iterator();
while(it.hasNext())
    System.out.print(it.next()+" ");
```

Select one:

- a. 8 9 ✓
- b. Compile time error
- c. Runtime Exception
- d. 9 8

Your answer is correct.

The correct answer is: 8 9

Question 4

Correct

Mark 1.00 out
of 1.00

Which of these are core interfaces in the Java collections framework?

Select one or more:

- a. LinkedList<E>
- b. Map<K,V> ✓
- c. Bag<E>
- d. Set<E> ✓
- e. Collection<E> ✓

Your answer is correct.

The correct answers are: Set<E>, Collection<E>, Map<K,V>

Question 5

Correct

Mark 1.00 out
of 1.00

Predict the output

```
Map<String,String> map=new HashMap();
map.put("tina","Devpt");
map.put(null,"Test");
map.put(null,"Admin");
System.out.println(map);
```

Select one:

- a. {null=Admin, tina=Devpt} ✓
- b. {tina=Devpt ,null=Test}
- c. {null=Test, tina=Devpt}
- d. {tina=Devpt ,null=Admin,Test}

Your answer is correct.

The correct answer is: {null=Admin, tina=Devpt}

Correct

Mark 1.00 out
of 1.00

Select one:

- a. List ✓
- b. Set
- c. Map
- d. Any of these options

Your answer is correct.

The correct answer is: List



Started on Friday, 27 March 2020, 1:41 AM

State Finished

Completed on Friday, 27 March 2020, 1:42 AM

Time taken 1 min 17 secs

Marks 6.00/6.00

Grade 100.00 out of 100.00

Feedback Congratulations!! You have secured more than 80%

Question 1

Correct

Mark 1.00 out of 1.00

In which version of Java was Try with multi catch introduced ?

Select one:

- a. Java 8
- b. Java 5
- c. Java 7 ✓
- d. Java 6

The correct answer is: Java 7

Question 2

Correct

Mark 1.00 out of 1.00

IOException is a _____ exception

Select one:

- a. Checked ✓
- b. Unchecked

The correct answer is: Checked

Question 3

Correct

Mark 1.00 out of 1.00

To use a class as a resource in try-with-resources that class should have implemented _____ interface.

Select one:

- a. Comparator
- b. Serializable
- c. Comparable
- d. AutoClosable ✓

The correct answer is: AutoClosable

Correct
Mark 1.00 out of 1.00

- Select one:
- a. FileNotFoundException ✓
 - b. ClassCastException
 - c. ArrayIndexOutOfBoundsException
 - d. ArithmeticException

Your answer is correct.

The correct answer is: FileNotFoundException

Question 5

Correct
Mark 1.00 out of 1.00

Observe the following

Statement I : Multiple resources cannot be used in try-with-resource

Statement II : Code need not be written explicitly for closing the resources

Select one:

- a. Both I and II are incorrect
- b. I alone is correct
- c. II alone is correct ✓
- d. Both I and II are correct

Your answer is correct.

Multiple resources can be used in try-with-resource;

Example :

```
try ( BufferedReader br = Files.newBufferedReader(some_path);
      BufferedWriter w = Files.newBufferedWriter(some_path); )
{
    //some code here
}
```

The correct answer is: II alone is correct

Question 6

Correct
Mark 1.00 out of 1.00

Which of the following is / are unchecked exceptions?

Select one or more:

- a. NullPointerException ✓
- b. SQLException
- c. IOException
- d. NumberFormatException ✓

Your answer is correct.

The correct answers are: NumberFormatException, NullPointerException

Started on Friday, 27 March 2020, 1:43 AM

State Finished

Completed on Friday, 27 March 2020, 1:46 AM

Time taken 3 mins 31 secs

Marks 11.50/13.00

Grade **88.46** out of 100.00

Feedback Congratulations!! You have passed by securing more than 80%

Question 1

Correct

Mark 1.00 out of 1.00

Given:

```
11. public class Person {  
12.     private String name;  
13.     public Person(String name) {  
14.         this.name = name;  
15.     }  
16.     public int hashCode() {  
17.         return 420;  
18.     }  
19. }
```

Which statement is true?

Select one:

- a. Inserting a second Person object into a HashSet will cause the first Person object to be removed as a duplicate.
- b. The time to find the value from HashMap with a Person key depends on the size of the map. ✓
- c. The time to determine whether a Person object is contained in a HashSet is constant and does NOT depend on the size of the map.
- d. Deleting a Person key from a HashMap will delete all map entries for all keys of type Person.

Your answer is correct.

The correct answer is: The time to find the value from HashMap with a Person key depends on the size of the map.

Question 2

Incorrect

Mark 0.00 out of 1.00

Serializable is an class inside IO package. Say true or false.

Select one:

- True ✗
- False

The correct answer is 'False'.

Correct

Mark 1.00 out
of 1.00

Your answer is correct.

The correct answer is:

[Java.util.Map] interface provides the capability to store objects using a key-value pair ?

Correct

Mark 1.00 out
of 1.00

```
1. public class Score implements Comparable<Score> {  
2.     private int wins, losses;  
3.     public Score(int w, int l) { wins = w; losses = l; }  
4.     public int getWins() { return wins; }  
5.     public int getLosses() { return losses; }  
6.     public String toString() {  
7.         return "<" + wins + "," + losses + ">";  
8.     }  
9.     public int compareTo(Score other) {/*more code here*/} ✓  
10. }
```

Which method will complete this class?

public int compare(Score s1,Score s2){/*more code here*/}

public int compareTo(Object o) {/*mode code here*/}

public int compare(Object o1,Object o2){/*more code here*/}

compareTo() is a method of the interface Comparable and it is used to compare the current instance to another one. Hence "compareTo(Score other)" is appropriate.

The correct answer is:

Given

```
1. public class Score implements Comparable<Score> {  
2.     private int wins, losses;  
3.     public Score(int w, int l) { wins = w; losses = l; }  
4.     public int getWins() { return wins; }  
5.     public int getLosses() { return losses; }  
6.     public String toString() {  
7.         return "<" + wins + "," + losses + ">";  
8.     }  
9.     [public int compareTo(Score other) {/*more code here*/}]  
10. }
```

Which method will complete this class?

Correct

Mark 1.00 out
of 1.00

```
String [] names = {"Tina", "Dora", "Higher"};
List<String> list = names.asList();
list.set(0, "Reenu");
System.out.println(names[0]);
```

Select one:

- a. Compiler error on line 3.
- b. Reenu
- c. Tina
- d. Compiler error on line 2. ✓
- e. An exception is thrown.

Your answer is correct.

The correct answer is: Compiler error on line 2.

Question 6

Correct

Mark 1.00 out
of 1.00

Given

```
1. import java.util.*;
2. public class Old {
3.     public static Object get0(List list) {
4.         return list.get(0);
5.     }
6. }
```

Which will compile successfully?

Select one or more:

- a. Object o = Old.get0(new LinkedList<Object>()); ✓
- b. Object o = Old.get0(new LinkedList()); ✓
- c. String s = (String)Old.get0(new LinkedList<String>()); ✓

Your answer is correct.

The correct answers are: Object o = Old.get0(new LinkedList());, Object o = Old.get0(new LinkedList<Object>());, String s = (String)Old.get0(new LinkedList<String>());

Correct

Mark 1.00 out
of 1.00

```
1 import java.util.*;
2 public class PQ {
3     public static void main(String[] args) {
4         PriorityQueue<String> pq = new PriorityQueue<String>();
5         pq.add("carrot");
6         pq.add("apple");
7         pq.add("banana");
8         System.out.println(pq.poll() + ":" + pq.peek());
9     }
10 }
```

What is the result?

Select one:

- a. banana:apple
- b. apple:banana ✓
- c. carrot:apple
- d. apple:apple

poll() method removes and returns the head of the queue, hence apple.
peek() method returns, but does not remove the head of the queue. Hence banana.

The correct answer is: apple:banana

Question 8

Correct

Mark 1.00 out
of 1.00

nextIndex() and previousIndex() are methods of ListIterator ✓ interface

Your answer is correct.

The correct answer is:

nextIndex() and previousIndex() are methods of [ListIterator] interface

Correct

Mark 1.00 out
of 1.00

```
1. import java.util.*;
2. public class WrappedString {
3.     private String s;
4.     public WrappedString(String s) { this.s = s; }
5.     public static void main(String[] args) {
6.         HashSet<Object> hs = new HashSet<Object>();
7.         WrappedString ws1 = new WrappedString("aardvark");
8.         WrappedString ws2 = new WrappedString("aardvark");
9.         String s1 = new String("aardvark");
10.        String s2 = new String("aardvark");
11.        hs.add(ws1); hs.add(ws2); hs.add(s1); hs.add(s2);
12.        System.out.println(hs.size()); } }
```

What is the result?

Select one:

- a. 3 ✓
- b. 2
- c. 1
- d. 0

Your answer is correct.

The correct answer is: 3

Correct

Mark 1.00 out
of 1.00

```
import java.util.*;
class Test {
public static void main(String[] args) {
    LinkedList x = new LinkedList(); ✓
    x.add("one");
    x.add("two");
    x.add("TWO");
    System.out.println(x.poll());
}
}
```

 ArrayList x = new ArrayList(); HashSet x = new HashSet();

poll() is a method of the collection class LinkedList.

The correct answer is:

Given

```
import java.util.*;
class Test {
public static void main(String[] args) {
[LinkedList x = new LinkedList();]
    x.add("one");
    x.add("two");
    x.add("TWO");
    System.out.println(x.poll());
}
}
```

Question 11

Correct

Mark 1.00 out
of 1.00

State true or false. Serialization is the mechanism of saving the state of an object into a file.

Select one:

 True ✓ False

The correct answer is 'True'.

Partially correct

Mark 0.50 out of 1.00

Select one or more:

- a. The hashCode method is used by the java.util.SortedSet collection class to order the elements within that set.
- b. The hashCode method for a given class can be used to test for object inequality, but NOT object equality, for that class. 
- c. The only important characteristic of the values returned by a hashCode method is that the distribution of values must follow a Gaussian distribution.
- d. The hashCode method is used by the java.util.HashSet collection class to group the elements within that set into hash buckets for swift retrieval.

Your answer is partially correct.

You have correctly selected 1.

The correct answers are: The hashCode method for a given class can be used to test for object inequality, but NOT object equality, for that class., The hashCode method is used by the java.util.HashSet collection class to group the elements within that set into hash buckets for swift retrieval.

Question 13

Correct

Mark 1.00 out of 1.00

`int[] myArray = new int[] {1, 2, 3, 4, 5};`

What allows you to create a list from this array?

Select one:

- a. List myList = myArray.asList();
- b. List myList = Collections.fromArray(myArray);
- c. List myList = new ArrayList(myArray);
- d. List myList = Arrays.asList(myArray); 

Your answer is correct.

The correct answer is: List myList = Arrays.asList(myArray);

Started on Thursday, 5 March 2020, 8:18 PM

State Finished

Completed on Thursday, 5 March 2020, 8:19 PM

Time taken 55 secs

Marks 4.00/6.00

Grade 66.67 out of 100.00

Feedback Oops!! You have scored below 80%. So kindly make the necessary preparations and reattempt

Question 1

Not answered

Marked out of 1.00

Flag question

Consider that you have to develop a flight control system. The system is simulated as such that the original system is working. There are many potential hazards with such a system. What model would you suggest to develop the system?

Select one:

- a. Evolutionary prototyping
- b. Waterfall model
- c. Throwaway prototyping
- d. Spiral model

Your answer is incorrect.

The correct answer is: Spiral model

Question 2

Correct

Mark 1.00 out of 1.00

Flag question

Testing performed by the user to ensure that the system meets the agreed upon quality attributes and the specification is called as...

Select one:

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

Your answer is correct.

The correct answer is: Acceptance testing

Quiz navigation



Show one page at a time

Finish review

Question 3

Correct

Mark 1.00
out of 1.00

Flag question

Match the correct E,TVX (Entry,Task,Verify,Exit) criteria for the below scenario

| | | |
|-----------------------------------|--------------|--|
| Developing HLD and LLD Artifacts | Task | |
| Input containing the reviewed SRS | Entry | |
| Review of the artifacts | Verification | |
| Reviewed design document | Exit | |

Your answer is correct.

The correct answer is: Developing HLD and LLD Artifacts → Task, Input containing the reviewed SRS → Entry, Review of the artifacts → Verification, Reviewed design document → Exit

Question 4

Incorrect

Mark 0.00
out of 1.00

Flag question

Scenario: LIC has manually carried out their process of premium collection procedure for the past 45 years. Now, they have employed the services of another company to automate the above

Question: Which of the following models would you suggest to the outsource company?

Select one:

- a. Spiral model
- b. Throwaway prototyping
- c. Evolutionary prototyping
- d. Waterfall model

Your answer is incorrect.

The correct answer is: Waterfall model

Question 5

Correct

Mark 1.00
out of 1.00

Flag question

Which model emphasizes Validation and Verification at each level of stage containment?

Select one:

- a. RAD
- b. V-Model
- c. Spiral model
- d. Throwaway prototyping

Your answer is correct.

Validation and Verification at each level of the stage containment is emphasized in V Model

The correct answer is: V-Model

**Question
6**

Correct

Mark 1.00
out of 1.00

Flag
question

Arrange the phases of Water fall model

- Requirement Gathering
- Analysis
- Design
- Implementation
- Testing
- Deployment
- Maintenance

Your answer is correct.

The phases of waterfall model are Requirement Gathering, Analysis, Design, Implementation, Testing and Maintenance

[Finish review](#)



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Started on Thursday, 5 March 2020, 8:11 PM

State Finished

Completed on Thursday, 5 March 2020, 8:11 PM

Time taken 26 secs

Marks 0.00/6.00

Grade 100.00 out of 100.00

Feedback Congratulations! You have passed by securing more than 80%

Quiz navigation



Show one page at a time

Finish review

Question 1

Correct

Mark 1.00
out of 1.00

Flag question

ABC company comes to the Allen Software Company with various requirement. The client wants the functionality to view all the employee profile, view salary information of the employee and view the leave details. Once each functionality is completed the module will be delivered to the client. Which would be the right model for this scenario.

Select one:

- a. Scrum
- b. Spiral model
- c. Throwaway prototyping model
- d. Incremental model ✓

Your answer is correct.

The correct answer is: Incremental model

Question 2

Correct

Mark 1.00
out of 1.00

Flag question

A client wants to develop a Web application for the new Super market store. The client want to have lot of UI components and customers will have lot of interactions with the UI. What model is best suited.

Select one:

- a. Waterfall model
- b. Prototype ✓
- c. Spiral

Your answer is correct.

The correct answer is: Prototype

Question 3

Correct

Mark 1.00
out of 1.00

Flag
question

_____ involves transformation of user needs into an effective software solution.

Select one:

- a. Software design process
- b. Software Testing
- c. Software Analysis
- d. Software development process ✓

Your answer is correct.

The correct answer is: Software development process

Question 4

Correct

Mark 1.00
out of 1.00

Flag
question

Spiral life cycle model is not suitable for products that are vulnerable to large number of risks. State if True or False.

Select one:

- a. FALSE ✓
- b. TRUE

Your answer is correct.

The correct answer is: FALSE

Question 5

Correct

Mark 1.00
out of 1.00

Flag
question

When there is a difference between the output what is expected and the actual one is termed as....

Select one:

- a. Verification
- b. Specification
- c. Defect ✓
- d. Validation

Your answer is correct.

The correct answer is: Defect

Question 6

Correct

Mark 1.00
out of 1.00

Flag
question

XYZ Finance Co. has, at present, started its operations in India. Based on the first six months performance, it has plans for expansion across five countries. They want to automate their operations at this stage. What is the process model that the developer should choose to adopt?

Select one:

- a. Waterfall model
- b. Incremental model
- c. Evolutionary prototyping model ✓
- d. Spiral model

Your answer is correct.

The correct answer is: Evolutionary prototyping model

[Finish review](#)



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Started on Tuesday, 16 March 2021, 7:02 PM

State Finished

Completed on Tuesday, 16 March 2021, 7:06 PM

Time taken 4 mins 10 secs

Marks 6.60/8.00

Grade 82.50 out of 100.00

Feedback Congratulations!!! You have passed by securing more than 80%

Question 1

Correct

Mark 1.00 out of 1.00

Which conforms that the software meets its technical specifications?

Select one:

- a. Validation
- b. Verification ✓
- c. Design
- d. Defect finding

Your answer is correct.

Verification conforms that the software meets its technical specifications

The correct answer is:

Verification

Question 2

Correct

Mark 1.00 out of 1.00

The software is put into operation in the client's environment. The client comes back to enhance the UI to attract more customers. This phase is called as _____

Select one:

- a. Development
- b. Maintenance ✓

Your answer is correct.

Any change that is made to the software after it is deployed is known as maintenance

The correct answer is:

Maintenance

Question 3

Correct

Mark 1.00 out of 1.00

Match the appropriate usage of the SDLC process models, based on the nature of requirements

When the requirements are unclear

Use the Throw away prototype



When the requirements are unstable

Use the Evolutionary prototype



Your answer is correct.

When the requirements are unclear use the Throw away prototype and when the requirements are unstable use the evolutionary prototype

The correct answer is: When the requirements are unclear → Use the Throw away prototype, When the requirements are unstable → Use the Evolutionary prototype

Question 4

Correct

Mark 1.00 out of 1.00

Arrange the steps / activities involved in the process of prototyping

- Identify basic requirements
- Develop Initial Prototype
- Review the prototype
- Make necessary changes or Enhance the Prototype

Your answer is correct.

Identify basic requirements, Develop Initial Prototype, Review and Enhance the Prototype

Question 5

Partially correct
Mark 0.60 out of 1.00

Match the phases of the Rapid Application Development model against their objectives

Process modeling

Information gathered from business modeling is used to define data objects ✗

Testing and turnover

New components along with all the interfaces are tested ✓

Data modeling

Data objects are converted to achieve the business objective ✗

Application generation

Automated tools are used to convert process models into the actual system ✓

Business modeling

The information flow is identified between various modules ✓

Your answer is partially correct.

You have correctly selected 3.

Business modeling - information flow between various modules, Data modeling - define data objects, Process modeling - CRUD of data objects are determined, Application generation - convert process models into the actual system, Testing and turnover - new components are tested

The correct answer is:

Process modeling → Data objects are converted to achieve the business objective, Testing and turnover → New components along with all the interfaces are tested,

Data modeling → Information gathered from business modeling is used to define data objects, Application generation → Automated tools are used to convert process models into the actual system,

Business modeling → The information flow is identified between various modules

Question 6

Incorrect
Mark 0.00 out of 1.00

High-risk or major functions are addressed in the first cycles thereby delivering an operational product. Which of the SDLC process models achieves this?

Select one:

- a. Incremental model
- b. Spiral Model ✗
- c. Waterfall model
- d. RAD model

Your answer is incorrect.

High-risk or major functions are addressed in the first increment cycles and each release delivers an operational product

The correct answer is: Incremental model

Question**7**

Correct

Mark 1.00 out of
1.00

Beta technologies has undertaken a collision avoidance system software to be implemented for airports. Additional safety measures have to be automated by warning pilots when another aircraft gets closer, otherwise impacts are huge. Which of the following SDLC process models best suits the requirement?

Select one:

- a. Waterfall model
- b. V model
- c. Spiral model ✓
- d. Evolutionary prototyping model

Your answer is correct.

Spiral model is used when risks perceived is high

The correct answer is: Spiral model

Question**8**

Correct

Mark 1.00 out of
1.00

The student mark processing system software has been developed and deployed at the St. Peters university. The system shows the grade as 0 for all the students rather than the actual grade. Which phase below was not done properly during the SDLC?

Select one:

- a. Software Testing ✓
- b. Software Maintenance
- c. Software Design
- d. Software Analysis

Your answer is correct.

The correct answer is: Software Testing

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Started on Sunday, 1 March 2020, 8:34 PM

State Finished

Completed on Sunday, 1 March 2020, 8:35 PM

Time taken 46 secs

Marks 5.25/6.00

Grade 87.50 out of 100.00

Feedback Congratulations! You have passed by securing more than 80%

Quiz navigation



Show one page at a time

Finish review

Question 1

Correct

Mark 1.00
out of 1.00

Flag
question

Which of the following are available in SRS Document?

Select one or more:

- a. Design
- b. Functional Requirements ✓
- c. Constraints ✓
- d. Non Functional Requirements ✓

Your answer is correct.

SRS document includes sections for Functional Requirements, Non Functional Requirements, and Constraints

The correct answers are: Functional Requirements, Non Functional Requirements, Constraints

Question 2

Correct

Mark 1.00
out of 1.00

Flag
question

Whenever a new product is arrived, the stock needs to be updated. This requirement is an example for non-functional requirement. State true or False

Select one:

- a. TRUE
- b. FALSE ✓

Your answer is correct.

The correct answer is: FALSE

Question 3

Correct

Mark 1.00
out of 1.00

Flag
question

Identify the possible entities from the given option

Select one or more:

- a. SalesID
- b. Sale ✓
- c. customerAge
- d. Customer ✓

Your answer is correct.

The correct answers are: Customer, Sale

Question 4

Correct

Mark 1.00
out of 1.00

Flag
question

What kind of non functional requirement best suit the below scenario? Whenever the new offers are published in the online shopping site, an sms has to be sent to all the registered customers within 10 minutes of publishing.

Select one:

- a. Performance Requirement ✓
- b. Portability Requirement
- c. Security Requirement
- d. Usability Requirement

Your answer is correct.

Performance requirement is one of the non functional requirements

The correct answer is: Performance Requirement

Question 5

Correct

Mark 1.00
out of 1.00

Flag
question

Consider the below scenario. A team has many players and the player belongs to one team. Identify the cardinality between player and team

Select one:

- a. M:1 ✓
- b. 1:M
- c. 1:1
- d. M:M

Your answer is correct.

The correct answer is: M:1

Question 6

Partially
correct

Mark 0.25
out of 1.00

 Flag
question

Choose the correct type of testing for the given Scenario:

Testing to check if the card is swiped for more than three times with wrong pin, the card has to be blocked

 Security Testing

Testing to test the GUI components in the screen

 Performance Testing

Testing to check if 1000000 users accessing website at the same point of time

 Usability Testing

Testing to check if the report is generated within 5 sec on click of the button as agreed in the SRS

 Load Testing

Your answer is partially correct.

You have correctly selected 1.

The correct answer is: Testing to check if the card is swiped for more than three times with wrong pin, the card has to be blocked → Security Testing, Testing to test the GUI components in the screen → Usability Testing, Testing to check if 1000000 users accessing website at the same point of time → Load Testing, Testing to check if the report is generated within 5 sec on click of the button as agreed in the SRS → Performance Testing

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Started on Sunday, 1 March 2020, 1:48 PM

State Finished

Completed on Sunday, 1 March 2020, 1:53 PM

Time taken 4 mins 46 secs

Marks 5.00/5.00

Grade 100.00 out of 100.00

Feedback Congratulations! You have passed by securing more than 80%

Quiz navigation



Finish review

Question 1

Correct

Mark 1.00 out of 1.00

Flag question

_____ describes how the development activities will be performed and how development phases follow each other.

Select one:

- a. Software Engineering
- b. Design
- c. Software Development Process ✓
- d. Process

Your answer is correct.

Software Development Process describes how the development activities will be performed and how development phases follow each other.

The correct answer is: Software Development Process

Question 2

Correct

Mark 1.00 out of 1.00

Flag question

During which phase, the following activities are identified: identifying the major modules of the system, how these modules integrate, the architecture of the system and describing pseudocode for each of the identified module

Select one:

- a. Maintenance
- b. Analysis
- c. Design ✓
- d. Feasibility

Your answer is correct.

The correct answer is: Design

Question 3

Correct

Mark 1.00
out of 1.00

Flag
question

_____ is the application of a systematic, disciplined, quantifiable approach to the design, development, operation and maintenance of software.

Select one:

- a. Software Engineering
- b. Requirement Engineering
- c. Software Testing

Your answer is correct.

Software Engineering is the application of a systematic, disciplined, quantifiable approach to the design, development, operation and maintenance of software

The correct answer is: Software Engineering

Question 4

Correct

Mark 1.00
out of 1.00

Flag
question

Aesthetics of the website is part of the functional requirement. State true or false

Select one:

- a. FALSE
- b. TRUE

Your answer is correct.

The correct answer is: FALSE

Question 5

Correct

Mark 1.00
out of 1.00

Flag
question

Requirement came to Allen Software company to develop a software for military purpose. .00001 second delay in the missile launching software would create greater loss to the human life. What kind of model is best suited for this scenario

Select one:

- a. Agile
- b. Spiral model
- c. Prototype
- d. Waterfall model

Your answer is correct.

The correct answer is: Spiral model

[Finish review](#)



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Dashboard / Software Engineering Concepts / Requirement Analysis / Test Your Understanding

Started on Sunday, 1 March 2020, 6:00 PM

State Finished

Completed on Sunday, 1 March 2020, 6:02 PM

Time taken 1 min 51 secs

Marks 6.40/8.00

Grade 80.00 out of 100.00

Feedback Congratulations!!! You have passed by securing more than 80%

Quiz navigation



Show one page at a time

Finish review

Question 1

Correct

Mark 1.00
out of 1.00

Flag question

Which conforms that the software meets its technical specifications?

Select one:

- a. Design
- b. Validation
- c. Verification ✓
- d. Defect finding

Your answer is correct.

Verification conforms that the software meets its technical specifications

The correct answer is:

Verification

Question 2

Correct

Mark 1.00
out of 1.00

Flag question

The software is put into operation in the client's environment. The client comes back to enhance the UI to attract more customers. This phase is called as _____

Select one:

- a.

Development

- b.
Maintenance ✓

Your answer is correct.

Any change that is made to the software after it is deployed is known as maintenance

The correct answer is:

Maintenance

Question 3

Correct

Mark 1.00
out of 1.00

Flag
question

Match the appropriate usage of the SDLC process models, based on the nature of requirements

When the requirements are unstable

Use the Evolutionary prototype ✓

When the requirements are unclear

Use the Throw away prototype ✓

Your answer is correct.

When the requirements are unclear use the Throw away prototype and when the requirements are unstable use the evolutionary prototype

The correct answer is: When the requirements are unstable → Use the Evolutionary prototype, When the requirements are unclear → Use the Throw away prototype

Question 4

Correct

Mark 1.00
out of 1.00

Flag
question

Arrange the steps / activities involved in the process of prototyping

- ✓ Identify basic requirements
- ✓ Develop Initial Prototype
- ✓ Review the prototype
- ✓ Make necessary changes or Enhance the Prototype

Your answer is correct.

**Question
5**

Partially correct

Mark 0.40 out of 1.00

Flag question

Match the phases of the Rapid Application Development model against their objectives

Business modeling

Information gathered from business modeling is used to define data objects

Testing and turnover

New components along with all the interfaces are tested

Data modeling

Data objects are converted to achieve the business objective

Process modeling

The information flow is identified between various modules

Application generation

Automated tools are used to convert process models into the actual system

Your answer is partially correct.

You have correctly selected 2.

Business modeling - information flow between various modules; Data modeling - define data objects, Process modeling - CRUD of data objects are determined, Application generation - convert process models into the actual system, Testing and turnover - new components are tested

The correct answer is:

Business modeling -- The information flow is identified between various modules, Testing and turnover -- New components along with all the interfaces are tested,

Data modeling -- Information gathered from business modeling is used to define data objects,

Process modeling -- Data objects are converted to achieve the business objective, Application generation -- Automated tools are used to convert process models into the actual system

**Question
6**

Incorrect

Mark 0.00 out of 1.00

Flag question

High-risk or major functions are addressed in the first cycles thereby delivering an operational product. Which of the SDLC process models achieves this?

Select one:

- a. Spiral Model
- b. Waterfall model
- c. RAD model
- d. Incremental model

Your answer is incorrect.

High-risk or major functions are addressed in the first increment cycles and each release delivers an operational product

The correct answer is: Incremental model

Question 7

Correct

Mark 1.00
out of 1.00

Flag
question

Beta technologies has undertaken a collision avoidance system software to be implemented for airports. Additional safety measures have to be automated by warning pilots when another aircraft gets closer, otherwise impacts are huge. Which of the following SDLC process models best suits the requirement?

Select one:

- a. Waterfall model
- b. V model
- c. Spiral model ✓
- d. Evolutionary prototyping model

Your answer is correct.

Spiral model is used when risks perceived is high

The correct answer is: Spiral model

Question 8

Correct

Mark 1.00
out of 1.00

Flag
question

The student mark processing system software has been developed and deployed at the St. Peters university. The system shows the grade as 0 for all the students rather than the actual grade. Which phase below was not done properly during the SDLC?

Select one:

- a. Software Design
- b. Software Testing ✓
- c. Software Maintenance
- d. Software Analysis

Your answer is correct.

The correct answer is: Software Testing

[Finish review](#)



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Started on Thursday, 18 March 2021, 12:18 AM

State Finished

Completed on Thursday, 18 March 2021, 12:27 AM

Time taken 8 mins 54 secs

Marks 4.93/6.00

Grade 82.22 out of 100.00

Feedback Congratulations!! You have passed by securing more than 80%

Question 1

Correct

Mark 1.00 out of 1.00

Which of the following options are the steps involved in Requirements Analysis?

Select one or more:

- Analysis of the gathered requirements phase ✓
- Requirements Specification
- Requirements Elicitation
-

Requirements Gathering phase ✓

Your answer is correct.

Requirements Gathering phase is followed by the Analysis of the gathered requirements

The correct answers are:

Requirements Gathering phase, Analysis of the gathered requirements phase

Question 2

Correct

Mark 1.00 out of 1.00

Match the correct objectives of each phase involved in Requirements Engineering

Requirements Analysis

Analyzing the customer and the user/stakeholder to arrive at a definition of software requirements



Requirements Specification

Documents all the requirements properly



Requirements Elicitation

Gathering requirements from the users, customers and other stake holders



Your answer is correct.

1. Requirements Elicitation - Gathering requirements from the users and customers
2. Requirements Analysis - Analyzing the customer and the user/stakeholder to arrive at a definition of software requirements
3. Requirements Specification - Documents all the requirements properly in SRS

The correct answer is:

Requirements Analysis → Analyzing the customer and the user/stakeholder to arrive at a definition of software requirements,
Requirements Specification → Documents all the requirements properly,

Question 3

Partially correct

Mark 0.60 out of 1.00

Arrange the activities of the Requirements Engineering phase and the Design phase

Requirements Elicitation

Requirements Analysis

Low Level Design

High Level Design

Requirements Specification

Your answer is partially correct.

The order of activities are 1. Requirements Elicitation, 2. Requirements Analysis, 3. Requirements Specification, 4. High Level Design, and 5. Low Level Design

The correct order for these items is as follows:

1. Requirements Elicitation
2. Requirements Analysis
3. Requirements Specification
4. High Level Design
5. Low Level Design

Question 4

Correct

Mark 1.00 out of 1.00

Identify the type of design that helps in transforming the data model created during requirements analysis phase into the data structures that will be used to implement the software

Select one:

- a. Interface design
- b. Architectural design
- c. GUI Design
- d. Data Design ✓

Your answer is correct.

Data Design helps in creating the data architecture for a system to represent the data components

The correct answer is: Data Design

Question 5

Partially correct
Mark 0.33 out of 1.00

Match the objectives of the types of design involved

Architecture design

Focuses on writing a detailed algorithm



Interface design



Describes how the software communicates with itself, and with the users interacting with the software

Low Level Design



Defines the modules of the system and the functions that each module perform

Your answer is partially correct.

You have correctly selected 1.

Architecture design defines the modules of the system and the functions that each module perform

The interface design describes how the software communicates with itself, and with the users interacting with the software

Low Level Design focuses on writing a detailed algorithm

The correct answer is:

Architecture design → Defines the modules of the system and the functions that each module perform,

Interface design → Describes how the software communicates with itself, and with the users interacting with the software,

Low Level Design → Focuses on writing a detailed algorithm

Question 6

Correct
Mark 1.00 out of 1.00

The order of activities performed by a System Analyst are,

Understand

users requirement

Collects data needed for

user requirement

Writes

software requirement specification

Your answer is correct.

System Analyst helps to Understand users requirement , Collects data needed for the user requirement , and Writes the software requirement specification.

The correct answer is:

The order of activities performed by a System Analyst are,

[Understand] users requirement

[Collects data needed for] user requirement

[Writes] software requirement specification

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State Finished

Completed on Friday, 6 March 2020, 4:30 PM

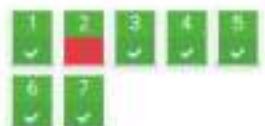
Time taken 44 secs

Marks 6.00/7.00

Grade 85.71 out of 100.00

Feedback Congratulations! You have passed by securing more than 80%

Quiz navigation



Show one page at a time

Finish review

Question 1

Correct

Mark 1.00
out of 1.00

Flag question

Walk through is performed by the trained moderator, whereas the inspection is usually conducted by the author itself to record defects and deviations

Select one:

True

False ✓

The correct answer is 'False'.

Question 2

Incorrect

Mark 0.00
out of 1.00

Flag question

In the online shopping portal, for customer registration the password field can accept only characters in the range of 5 to 25. Derive test cases using Boundary value analysis

Select one:

a. 5,25,6,24 ✗

b. 5,25,26,3

c. 5,25,4,26

d. 6,24,10,25

Your answer is incorrect.

The correct answer is: 5,25,4,26

Question 3

After implementation of Library management system, the tester identified that certain logic are redundantly submitted by the developers, and the review standards are violated in four modules. What type of testing is required?

Correct

Mark 1.00
out of 1.00

Flag
question

out to identify these errors?

Select one:

- a. debugging
- b. Static Testing ✓
- c. error guessing
- d. dynamic testing

Your answer is correct.

Static Testing is a software testing method where the code of the software and the work products, that is, the associated documents are observed and tested manually to find errors.

The correct answer is: Static Testing

Question 4

Correct

Mark 1.00
out of 1.00

Flag
question

The testing technique that deals with the internal logic and structure of the code is called _____

Select one:

- a. Logical Testing
- b. Pure Box Testing
- c. WhiteBox Testing ✓

Your answer is correct.

The correct answer is: WhiteBox Testing

Question 5

Correct

Mark 1.00
out of 1.00

Flag
question

Boundary value analysis can only be used during white-box testing. State if True or False.

Select one:

- a. FALSE ✓
- b. TRUE

Your answer is correct.

The correct answer is: FALSE

Question 6

Correct

Mark 1.00
out of 1.00

Flag
question

Determine the cyclomatic complexity for the following code:

Accept year

```
if(year mod 4=0 and year mod 100!=0) or(year mod 400 =0)
    print year is leap
else
    print year is not leap
end if.
```

Select one:

- a. 3
- b. 4 ✓
- c. 6
- d. 5

Your answer is correct.

The correct answer is: 4

Question 7

Correct

Mark 1.00
out of 1.00

Flag
question

Tester is trying to test whether the values in the drop down are listed properly

What type of testing the tester performs in this scenario?

Select one:

- a. White box Testing
- b. Regression Testing
- c. Acceptance Testing
- d. Black box testing ✓

Your answer is correct.

In Black box testing functionality of the software is tested and not the internal implementation of the code

The correct answer is: Black box testing

Finish review



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Started on Friday, 6 March 2020, 12:02 AM

State Finished

Completed on Friday, 6 March 2020, 12:04 AM

Time taken 2 mins 10 secs

Marks 5.00/6.00

Grade 83.33 out of 100.00

Feedback Congratulations! You have passed by securing more than 80%

Quiz navigation



Show one page at a time

Finish review

Question 1

Correct

Mark 1.00
out of 1.00

Flag question

The standard document that describes all the requirements of the system is called as

Select one:

- a. Software Requirement Specification ✓
- b. User Requirement Specification
- c. Contract Document
- d. Test Case Document

Your answer is correct.

The standard document that describes all the requirements of the system is called as Software Requirement Specification

The correct answer is: Software Requirement Specification

Question 2

Correct

Mark 1.00
out of 1.00

Flag question

An SRS has the following requirement. The stock exchange shall show the stock report for the next 24 hours. What is the issue with this requirement?

Select one:

- a. Incorrect
- b. Ambiguous ✓
- c. Inconsistent
- d. Requirement is Correct

Your answer is correct.

The correct answer is: Ambiguous

Question 3

Correct

Mark 1.00
out of 1.00

Flag
question

In remote control Car application, in the step by step execution of the requirement described. It is mentioned when the fuel level goes below the minimum level, the application should indicate the user in red color. In the output section of the same process; it is mentioned that the indicator will glow pink. What is the kind of requirement specified in SRS

Select one:

- a. Contradicting ✓
- b. Incomplete
- c. Complete
- d. Consistent

Your answer is correct.

The correct answer is: Contradicting

Question 4

Correct

Mark 1.00
out of 1.00

Flag
question

A good SRS should be _____, _____ and _____

Select one or more:

- a. Complete ✓
- b. Consistent ✓
- c. Periodical
- d. Traceable ✓

Your answer is correct.

A good SRS should be complete, consistent and traceable

The correct answers are: Traceable, Consistent, Complete

Question 5

Incorrect

Mark 0.00
out of 1.00

Flag
question

Client Comes to Allen Company for a Banking Solution. Who from the below options would be best suited to gather all the requirements correctly from the client?

Select one:

- a. Database Analyst
- b. System Architect ✗
- c. System analyst
- d. Analyzer

Your answer is incorrect.

A System Analyst understands the users requirements, and collects or gathers the required data

The correct answer is: System analyst

Question 6

Correct

Mark 1.00
out of 1.00

Flag
question

Client Comes to Allen Company for a Banking Solution Which phase of SDLC is best suited to gather what is expected from client?

Select one:

- a. Requirement analysis ✓
- b. Feasibility Analysis
- c. Customer Analysis
- d. System Analysis

Your answer is correct.

The correct answer is: Requirement analysis

[Finish review](#)



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Help Desk

Started on Friday, 6 March 2020, 12:24 AM

State Finished

Completed on Friday, 6 March 2020, 12:25 AM

Time taken 1 min 50 secs

Marks 4.93/6.00

Grade 82.22 out of 100.00

Feedback Congratulations! You have passed by securing more than 80%.

Quiz navigation



Show one page at a time

Finish review

Question 1

Correct

Mark 1.00
out of 1.00

Flag question

Which of the following options are the steps involved in Requirements Analysis?

Select one or more:

Requirements Specification

Requirements Gathering phase ✓

Analysis of the gathered requirements phase ✓

Requirements Elicitation

Your answer is correct.

Requirements Gathering phase is followed by the Analysis of the gathered requirements

The correct answers are:

Requirements Gathering phase, Analysis of the gathered requirements phase

Question 2

Correct

Mark 1.00
out of 1.00

Flag question

Match the correct objectives of each phase involved in Requirements Engineering

Requirements Specification ✓ Documents all the requirements properly

Requirements Analysis

Analyzing the customer and the user/stakeholder to arrive at a definition of software requirements ✓

Requirements

Elicitation

Gathering requirements from the users, customers and other stakeholders

✓

Your answer is correct.

1. Requirements Elicitation - Gathering requirements from the users and customers
2. Requirements Analysis - Analyzing the customer and the user/stakeholder to arrive at a definition of software requirements
3. Requirements Specification - Documents all the requirements properly in SRS

The correct answer is:

Requirements Specification → Documents all the requirements properly.

Requirements Analysis → Analyzing the customer and the user/stakeholder to arrive at a definition of software requirements,

Requirements Elicitation → Gathering requirements from the users, customers and other stakeholders

**Question
3**

Partially
correct

Mark 0.60
out of 1.00

Flag
question

Arrange the activities of the Requirements Engineering phase and the Design phase

- ✓ Requirements Elicitation
- ✓ Requirements Analysis
- ✓ Requirements Specification
- ✗ Low Level Design
- ✗ High Level Design

Your answer is partially correct.

The order of activities are 1. Requirements Elicitation, 2. Requirements Analysis, 3. Requirements Specification, 4. High Level Design, and 5. Low Level Design

The correct order for these items is as follows:

1. Requirements Elicitation
2. Requirements Analysis
3. Requirements Specification
4. High Level Design
5. Low Level Design

Question 4

Correct

Mark 1.00
out of 1.00

Flag
question

Identify the type of design that helps in transforming the data model created during requirements analysis phase into the data structures that will be used to implement the software

Select one:

- a. Data Design ✓
- b. GUI Design
- c. Architectural design
- d. Interface design

Your answer is correct.

Data Design helps in creating the data architecture for a system to represent the data components

The correct answer is: Data Design

Question 5

Partially
correct

Mark 0.33
out of 1.00

Flag
question

Match the objectives of the types of design involved

Architecture
design

Describes how the software communicates with itself, and with the users interacting with the software



Interface
design

Defines the modules of the system and the functions that each module perform



Low Level
Design

Focuses on writing a detailed algorithm



Your answer is partially correct.

You have correctly selected 1.

Architecture design defines the modules of the system and the functions that each module perform

The interface design describes how the software communicates with itself, and with the users interacting with the software

Low Level Design focuses on writing a detailed algorithm

The correct answer is:

Architecture design → Defines the modules of the system and the functions that each module perform;

Interface design → Describes how the software communicates with itself, and with the users interacting with the software; Low Level Design → Focuses on writing a detailed algorithm.

**Question
6**

Correct

Mark 1.00
out of 1.00

Flag
question

The order of activities performed by a System Analyst are,

- | | |
|---------------------------|--|
| Understand: | <input checked="" type="checkbox"/> users requirement |
| Collects data needed for: | <input checked="" type="checkbox"/> user requirement |
| Writes: | <input checked="" type="checkbox"/> software requirement specification |

Your answer is correct.

System Analyst helps to Understand users requirement , Collects data needed for the user requirement , and Writes the software requirement specification.

The correct answer is:

The order of activities performed by a System Analyst are,
[Understand] users requirement
[Collects data needed for] user requirement
[Writes] software requirement specification

[Finish review](#)



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Started on Sunday, 8 March 2020, 2:24 AM

State Finished

Completed on Sunday, 8 March 2020, 2:26 AM

Time taken 1 min 59 secs

Marks 4.00/5.00

Grade 80.00 out of 100.00

Feedback Congratulations! You have passed by securing more than 80%

Quiz navigation



Finish review

Question 1

Incorrect

Mark 0.00 out of 1.00

Flag question

RBI has slashed the interest rate from 8% to 7% on all the loans that banks offer. What kind of maintenance has to be carried out on the banking applications to accommodate this change?

Select one:

- a. Adjustive Maintenance ✗
- b. Preventive Maintenance
- c. Perfective Maintenance
- d. Adaptive Maintenance

Your answer is incorrect.

The correct answer is: Adaptive Maintenance

Question 2

Correct

Mark 1.00 out of 1.00

Flag question

The customer comes back to Allen software company stating that when more than 'n' users simultaneously hit the website at the same time for customer registration , the application failed to generate the customerid correctly.What kind of maintenance best suit the given scenario?

Select one:

- a. Corrective Maintenance ✓
- b. Perfective Maintenance
- c. Adaptive Maintenance
- d. Preventive Maintenance

Your answer is correct.

The correct answer is: Corrective Maintenance

Question 3

Correct

Mark 1.00
out of 1.00

Flag
question

When a system is restructured and reorganized to facilitate future changes, it is called as _____.

Select one:

- a. Change Engineering
- b. Forward Engineering
- c. Software reverse engineering
- d. Software re-engineering ✓

Your answer is correct.

The correct answer is: Software re-engineering

Question 4

Correct

Mark 1.00
out of 1.00

Flag
question

State true or false Well documented and well structured software are difficult to maintain.

Select one:

- a. FALSE ✓
- b. TRUE

Your answer is correct.

The correct answer is: FALSE

Question 5

Correct

Mark 1.00
out of 1.00

Flag
question

Help option provided in the online shopping portal has minimal inputs about the application navigation. Client wants Allen software company to include advanced help options to better serve their customers. What kind of maintenance best suits the above scenario?

Select one:

- a. Adaptive Maintenance
- b. Adjustive Maintenance
- c. Perfective Maintenance ✓
- d. Preventive Maintenance

Your answer is correct.

The correct answer is: Perfective Maintenance

[Finish review](#)



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Started on Sunday, 8 March 2020, 1:52 AM

State Finished

Completed on Sunday, 8 March 2020, 1:55 AM

Time taken 3 mins. 2 secs

Marks 4.00/5.00

Grade 80.00 out of 100.00

Feedback Congratulations! You have passed by securing more than 80%.

Quiz navigation



Finish review

Question 1

Correct

Mark 1.00
out of 1.00

Flag question

Which of the following techniques involves step by step reading of the product, with each step checked against a predefined list of criteria?

Select one:

- a. Review
- b. Walkthrough
- c. Behavioural
- d. inspection ✓

Your answer is correct.

The correct answer is: Inspection

Question 2

Correct

Mark 1.00
out of 1.00

Flag question

Two Modules ValidateCustomerID and RegisterCustomer are unit tested individually. What kind of testing should be done to check whether RegisterCustomer is calling ValidateCustomerID and ValidateCustomerID is called properly by RegisterCustomer?

Select one:

- a. Structural testing
- b. Integration Testing ✓
- c. System testing
- d. Acceptance Testing

Your answer is correct.

The purpose of Integration Testing is to expose faults in the interaction between integrated units

The correct answer is: Integration Testing

Question 3

Not answered

Marked out of 1.00

Flag question

$\text{if}(a>b \&& b>c)\{\dots\}$, Identify the McCabe's number for the given conditional construct

Select one:

- a. 2
- b. 3
- c. 5
- d. 1

Your answer is incorrect.

McCabe's Number (Cyclomatic complexity) defines the number of independent paths

The correct answer is: 3

Question 4

Correct

Mark 1.00 out of 1.00

Flag question

Allen Software company has designed an application to Alph Client. The application is designed in such a way that the student can either take test normally and submit or for visual impairment persons the application converts their voice to text and submits the exam. What non functional testing should be done in this scenario

Select one:

- a. Regression testing
- b. Performance testing
- c. Usability testing ✓
- d. Stress testing

Your answer is correct.

The correct answer is: Usability testing

Question 5

Correct

Mark 1.00 out of 1.00

Flag question

In the student mark processing system, the HOD wants an analytics report of student performance department wise. On clicking the VIEW PERFORMANCE, the analytics should be displayed in 2 seconds. What testing should be done under this scenario

Select one:

- a. Usability testing
- b. Regression testing
- c. Performance testing ✓

d. Stress testing

Your answer is correct.

The correct answer is: Performance testing

Finish review



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Dashboard / Software Engineering Concepts / Software Maintenance / Test Your Understanding

Started on Sunday, 8 March 2020, 2:34 AM

State Finished

Completed on Sunday, 8 March 2020, 2:36 AM

Time taken 1 min 36 secs

Marks 6.60/8.00

Grade 82.50 out of 100.00

Feedback Congratulations! You have passed by securing more than 80%.

Quiz navigation



Show one page at a time

Finish review

Question 1

Correct

Mark 1.00
out of 1.00

Flag question

Identify this technique of dynamic testing where, For a range of input, three values are chosen. One value above the range, One value below the range, and One value within the range

Select one:

- a. Cause Effect Graphing
- b. Equivalence partitioning ✓
- c. Boundary Value Analysis
- d. Error Guessing
- e. Cause Effect Analysis

Your answer is correct.

Equivalence class partitioning divides the input domain into classes of data from which test cases can be derived.

The correct answer is: Equivalence partitioning

Question 2

Correct

Mark 1.00
out of 1.00

Flag question

What is the difference between the actual output of a software and the correct output?

Select one:

- a. Defect
- b. Fault
- c. Bug
- d. Error ✓

Your answer is correct.

Error – is the difference between the actual output of a software and the correct output

The correct answer is: Error

Question 3

Partially
correct.

Mark 0.33
out of 1.00

Flag
question

Match the objectives of the phases of Software Testing Life Cycle

Test Plan

Test scenarios, test cases, test data, and test scripts are prepared



Test Execution

Executing test scripts and Finding bugs



Test Design

Resource allocation, creation of test environment, test schedule and test functionality



Your answer is partially correct.

You have correctly selected 1

The test plan describes how tests will be performed and involves Resource allocation, creation of test environment, test schedule and test functionality

In Test Design, the Test scenarios, test cases, test data, and test scripts are prepared

Test Execution involves Executing test scripts and Finding bugs

The correct answer is:

Test Plan → Resource allocation, creation of test environment, test schedule and test functionality, Test Execution → Executing test scripts and Finding bugs, Test Design

→ Test scenarios, test cases, test data, and test scripts are prepared

Question 4

Correct

Mark 1.00
out of 1.00

Flag
question

Arrange the phases of Software Testing Life Cycle

✓ Test plan

✓ Test Design

✓ Test execution

✓ Report to developer

✓ Verify and close

Your answer is correct.

The phases of Software Testing Life Cycle are Test plan, Test Design, Test execution, Report to developer and Verify and close

Question 5

Partially
correct

Mark 0.60
out of 1.00

Flag
question

Match the roles involved in Static Testing

| | | | |
|-----------|---------------------------------------|-------------------------------------|--|
| Moderator | Presents the document | <input checked="" type="checkbox"/> | |
| Scribe | Records each defect found | <input checked="" type="checkbox"/> | |
| Reader | Leads the review process | <input checked="" type="checkbox"/> | |
| Inspector | Inspecting the document | <input checked="" type="checkbox"/> | |
| Author | Writer of the 'document under review' | <input checked="" type="checkbox"/> | |

Your answer is partially correct.

You have correctly selected 3.

Author is the writer of the 'document under review', Moderator is the one who leads the review process, Reader is the one who presents the document, Recorder/Scribe records each defect found, and Inspector is responsible for inspecting the document

The correct answer is: Moderator → Leads the review process, Scribe → Records each defect found, Reader → Presents the document, Inspector → Inspecting the document, Author → Writer of the 'document under review'

Question 6

Correct

Mark 1.00
out of 1.00

Flag
question

What is the type of testing in which the tester will know about the input and the expected output details based on the specification document only but no knowledge on implementation?

Select one:

- a. Black Box Testing
- b. White Box Testing
- c. Integration Testing
- d. Usability Testing
- e. Regression Testing

Your answer is correct.

In Black box testing functionality of the software is tested without the knowledge of the internal implementation of the code

The correct answer is: Black Box Testing

Question 7

Correct

Mark 1.00
out of 1.00

Flag
question

Match the objectives against the techniques of generating test cases in black box testing

Cause Effect Analysis

It is suitable for applications in which combinations of input conditions are few



State Transition
Diagram

Involves actions as one of its components



Cause Effect Graphing

The causes and effects represent the nodes



Your answer is correct.

Cause Effect Analysis - It is suitable for applications in which combinations of input conditions are few

Cause Effect Graphing - The causes and effects represent the nodes

State Transition Diagram - involves actions as one of its components

The correct answer is: Cause Effect Analysis → It is suitable for applications in which combinations of input conditions are few, State Transition Diagram → involves actions as one of its components, Cause Effect Graphing → The causes and effects represent the nodes

Question 8

Partially
correct

Mark 0.67
out of 1.00

Flag
question

Which all of the following options would basis path testing perform?

Select one or more:

- a. Test Case Coverage
- b. Statement Coverage
- c. Condition or Branch Coverage
- d. Loop Coverage

Your answer is partially correct.

You have correctly selected 2.

Every statement (Statement coverage)

Every predicate (condition) in the code (branch coverage)

Loops (loop coverage)

The correct answers are:
Statement Coverage,
Condition or Branch Coverage, Loop Coverage

[Finish review](#)



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Dashboard / Software Engineering Concepts / Configuration Management And Version Control / Post-Quiz

Started on Monday, 9 March 2020, 4:51 PM

State Finished

Completed on Monday, 9 March 2020, 4:59 PM

Time taken 8 mins 24 secs

Marks 7.67/8.00

Grade 95.83 out of 100.00

Feedback Congratulations! You have passed by securing more than 80%

Quiz navigation



Show one page at a time

Finish review

Question 1

Correct

Mark 1.00
out of 1.00

Flag
question

_____ is a committee that makes decisions regarding whether or not proposed changes to a software project can be incorporated.

Select one:

- a. Change Control Board ✓
- b. Decision Committee
- c. Updation Control Board
- d. Modify Control Board

The correct answer is: Change Control Board

Question 2

Correct

Mark 1.00
out of 1.00

Flag
question

Perfective Adaptive Corrective Preventive

John bought a new Laptop with a high end configuration. To protect his laptop and the applications installed he installed a antivirus software. This is an example for **Preventive** ✓ Maintenance

Question 3

Correct

Mark 1.00
out of 1.00

baseline SRS artifact version

The entry door of the Server room inside the company can be considered as equivalent to **baseline** ✓ concept in configuration management.

Flag question

Question 4

Correct

Mark 1.00
out of 1.00

Flag question

Version Management allows parallel concurrent development. State True or False.

Select one:

- a. False
- b. True

The correct answer is: True

Question 5

Partially correct

Mark 0.67
out of 1.00

Flag question

From the options identify the features that are part of the software configuration management

Select one or more:

- a. Synchronisation control
- b. Version management
- c. Support management
- d. Concurrency control

Your answer is partially correct.

You have correctly selected 2.

Version Management, Synchronization Control and Concurrency Control are the features that are part of the software configuration management.

The correct answers are: Version management, Concurrency control, Synchronisation control

Question 6

Correct

Mark 1.00
out of 1.00

Flag question

State true or false. Automated tools are available in the market, for managing change and versioning the software

Select one:

- a. FALSE
- b. TRUE

Your answer is correct.

The correct answer is: TRUE

Question 7

Correct

Mark 1.00
out of 1.00

Flag
question

Match the correct option

Process that ensures different versions of the project is managed

Configuration Management

Change Request Form

Change Control Board

Change Management

The standard document where the requester fills the change in the change management process

Who authenticates that the change proposed is valid

Process that ensures that changes made are recorded and controlled

Your answer is correct.

The correct answer is: Process that ensures different versions of the project is managed → Configuration Management, The standard document where the requester fills the change in the change management process → Change Request Form, Who authenticates that the change proposed is valid → Change Control Board, Process that ensures that changes made are recorded and controlled → Change Management

Question 8

Correct

Mark 1.00
out of 1.00

Flag
question

Which of the following describes the change history of an object?

Select one:

- a. Review Graph
- b. Check-out
- c. Baseline
- d. Evolution graph

Evolution Graph describes the change history of an object

The correct answer is: Evolution graph



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Started on Sunday, 8 March 2020, 7:42 PM

State Finished

Completed on Sunday, 8 March 2020, 7:43 PM

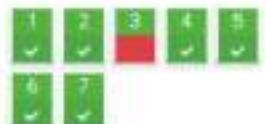
Time taken 51 secs

Marks 6.00/7.00

Grade 85.71 out of 100.00

Feedback Congratulations! You have passed by securing more than 80%

Quiz navigation



Show one page at a time

Finish review

Question 1

Correct

Mark 1.00
out of 1.00

Flag question

V2K problem is an example for _____ maintenance

Select one:

- a. Adaptive
- b. Perfective
- c. Corrective
- d. Preventive ✓

Your answer is correct.

The correct answer is: Preventive

Question 2

Correct

Mark 1.00
out of 1.00

Flag question

Client has developed an application that allows each of their customers to store 2TB of data. As the number of Customers are increasing client feels the storage space has to be increased for smooth operations to its customers. What type of maintenance is this?

Select one:

- a. Preventive Maintenance ✓
- b. Corrective Maintenance
- c. Adaptive Maintenance
- d. Perfective Maintenance

Your answer is correct.

The correct answer is: Preventive Maintenance

Question 3

Incorrect

Mark 0.00
out of 1.00

Flag
question

Client wanted to add a new feature to his existing application "Discount Offers" for all the existing customers. Whenever a new product comes to the supermarket, their customer's should be intimated with the week day offer. What kind of maintenance is this?

Select one:

- a. Corrective Maintenance
- b. Perfective Maintenance
- c. Preventive Maintenance
- d. Adaptive Maintenance X

Your answer is incorrect.

Perfective maintenance involves making functional enhancements to the system

The correct answer is: Perfective Maintenance

Question 4

Correct

Mark 1.00
out of 1.00

Flag
question

In Software maintenance, changes are implemented by modifying existing components and adding new components to the system. State if True or False.

Select one:

- True ✓
- False

The correct answer is 'True'.

Question 5

Correct

Mark 1.00
out of 1.00

Flag
question

Any changes done to the software during the operational phase of the software before project wind up is called as maintenance. State if True or False.

Select one:

- a. TRUE
- b. FALSE ✓

Your answer is correct.

Any change that is made to the software after it is deployed is known as maintenance

The correct answer is: FALSE

Question 6

Correct

Mark 1.00
out of 1.00

Flag
question

Software maintenance for the change of the platform is an example for _____ maintenance.

Select one:

- a. Corrective
- b. Preventive
- c. Perfective
- d. Adaptive ✓

Your answer is correct.

The correct answer is: Adaptive

Question 7

Correct

Mark 1.00
out of 1.00

Flag
question

In an online shopping application, during customer registration the customer was made to enter his city in a text box. As the site became popular for online shopping, the client came back to include autocomplete feature in the city field to improve user friendliness. What maintenance needs to be carried out in this scenario?

Select one:

- a. Perfective ✓
- b. Corrective
- c. Preventive
- d. Adaptive

Your answer is correct.

Perfective maintenance involves making functional enhancements to the system which can increase the system's performance even when the changes have not been suggested by faults

The correct answer is: Perfective

[Finish review](#)



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State Finished

Completed on Monday, 9 March 2020, 4:51 PM

Time taken 1 min 50 secs

Marks 4.25/5.00

Grade 85.00 out of 100.00

Feedback Congratulations! You have passed by securing more than 80%.

Quiz navigation



Finish review

Question 1

Correct

Mark 1.00
out of 1.00

Flag question

Which maintenance includes all efforts to refine the quality of the software or the document?

Select one:

- a. Perfective Maintenance ✓
- b. Corrective Maintenance
- c. Adaptive Maintenance
- d. Preventive Maintenance

Your answer is correct.

Perfective Maintenance includes all efforts to polish or refine the quality of the software or the document

The correct answer is: Perfective Maintenance

Question 2

Correct

Mark 1.00
out of 1.00

Flag question

Match the scenarios against the types of Maintenance

The fare details are updated in the Railway reservation software to reflect the increase in fare

Adaptive Maintenance



The UI of the managetrip.com is refined to include more options for booking tickets and venues

Perfective Maintenance



Client comes back for a change to be made in the Billing report getting generated

Corrective Maintenance





Your answer is correct.

Corrective maintenance is concerned with fixing errors that are observed when the software is in use.

Perfective maintenance involves making functional enhancements to the system.

Adaptive maintenance involves adapting the software to changes in the working environment.

The correct answer is: The fare details are updated in the Railway reservation software to reflect the increase in fare
 → Adaptive Maintenance; The UI of the managetrip.com is refined to include more options for Booking tickets and venues → Perfective Maintenance, Client comes back for a change to be made in the Billing report getting generated due to incorrect rounding of amount → Corrective Maintenance

Question 3

Partially correct

Mark 0.25 out of 1.00

Flag question

Arrange the steps involved in the Maintenance process

Impact Analysis

System release

System release planning

Change Implementation

Your answer is partially correct.

When a change request comes, Change Control Board first does an impact analysis and does the system release planning. The changes are then implemented and released.

The correct order for these items is as follows:

1. Impact Analysis
2. System release planning
3. Change Implementation
4. System release

Question 4

Correct

Mark 1.00 out of 1.00

Identify the correct facts about Maintenance.

Select one or more:

a.

It is affected by both technical and non technical factors

Flag question

- b. Aging software can have high support costs ✓
- c. Maintenance costs are lesser than the development cost

Your answer is correct.

Maintenance costs are greater than the development cost.

It is affected by both technical and non technical factors.

Aging software can have high support costs (e.g. old languages, compilers etc.)

The correct answers are:

It is affected by both technical and non technical factors; Aging software can have high support costs.

Question 5

Correct

Mark 1.00
out of 1.00

Flag question

Match the terms involved in Maintenance and its objectives

Software
maintenance

Changes are made in response to changed requirements but the fundamental software structure is static



Architectural
transformation

The system is modified from a centralized to a distributed platform



Software re-
engineering

New functionalities are not added to the system but it is restructured and reorganized



Your answer is correct.

Software maintenance - Changes are made in response to changed requirements but the fundamental software structure is stable

Architectural transformation - The system is modified from a centralized to a distributed architecture / platform

Software re-engineering - New functionalities are not added to the system but it is restructured and reorganized to facilitate further changes

The correct answer is:

Software maintenance → Changes are made in response to changed requirements but the fundamental software structure is stable, Architectural transformation → The system is modified from a centralized to a distributed platform, Software re-engineering → New functionalities are not added to the system but it is restructured and reorganized

Finish review



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Started on Sunday, 21 March 2021, 2:36 AM

State Finished

Completed on Sunday, 21 March 2021, 2:44 AM

Time taken 7 mins 53 secs

Marks 4.00/5.00

Grade **80.00** out of 100.00

Feedback Congratulations!! You have passed by securing more than 80%

Question 1

Correct

Mark 1.00 out of 1.00

Which of the following options are valid for the relationship between the configuration objects?

Select one or more:

- a. A curved arrow indicates a compositional relation ✓
- b. A double-headed straight arrow indicates an interrelationship ✓
- c. A curved arrow indicates an interrelationship
- d. A double-headed straight arrow indicates compositional relation

Your answer is correct.

A curved arrow indicates a compositional relation.

A double-headed straight arrow indicates an interrelationship.

The correct answers are: A curved arrow indicates a compositional relation, A double-headed straight arrow indicates an interrelationship

Question 2

Correct

Mark 1.00 out of 1.00

Match the following facts about Version Management

Lock a file

Serialized changes to file.



If a file is changed and we want to roll back to the previous version

Automatic backup



When a member of the team wants his code to work in isolation

Create branches



Your answer is correct.

If a file is changed and we want to roll back to the previous version - Automatic backup.

Lock a file - Serialized changes to file.

When a member of the team wants his code to work in isolation - Create branches.

The correct answer is: Lock a file → Serialized changes to file., If a file is changed and we want to roll back to the previous version → Automatic backup, When a member of the team wants his code to work in isolation → Create branches

Question 3

Incorrect

Mark 0.00 out of 1.00

[Version Control](#) [Change Management](#) [Configuration Management](#) [Configuration audit](#)

Change Management ✗ **[Configuration audit]** is responsible for reviewing the items against various specifications for assessing its quality and correctness

Your answer is incorrect.

Configuration audit is responsible for reviewing the items against various specifications for assessing its quality and correctness

Question 4

Correct

Mark 1.00 out of 1.00

Arrange the steps involved in the Change Control Process

- ✓ Identify and submit change request
- ✓ Evaluate impacts of change request
- ✓ Plan the change
- ✓ Implement and test the change
- ✓ Verify implementation of change
- ✓ Close change request

Your answer is correct.

1. Identify and submit change request
2. Evaluate impacts of change request
3. Plan the change
4. Implement and test the change
5. Verify implementation of change
6. Close change request

Question 5

Correct

Mark 1.00 out of 1.00

Version Control allows users to lock files so they can only be edited by one person at a time and track changes to files

Select one:

- True ✓
 False

Version control is a mechanism used to manage multiple versions of files

The correct answer is 'True'.

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Started on Tuesday, 10 March 2020, 4:32 AM

State Finished

Completed on Tuesday, 10 March 2020, 4:34 AM

Time taken 1 min 39 secs

Marks 5.20/6.00

Grade 86.67 out of 100.00

Feedback Congratulations! You have passed by securing more than 80%

Question 1

Correct

Mark 1.00 out of 1.00

Flag question

_____ is an iterative and incremental approach that embraces principles of agile development, including continuous user/customer involvement.

Select one:

- a. Increment Method
- b. Static System Development Method
- c. Loop creation method
- d. Dynamic System Development Method ✓

Your answer is correct.

The correct answer is: Dynamic System Development Method

Question 2

Correct

Mark 1.00 out of 1.00

Flag question

What are the roles in dynamic system development method? Choose from the following:

Select one or more:

- a. Designer
- b. Technical Coordinator ✓
- c. System Analyst
- d. Scribe Facilitator ✓

Your answer is correct.

The correct answers are: Scribe Facilitator, Technical Coordinator

Quiz navigation



Show one page at a time

Finish review

Question**3**

Correct

Mark 1.00
out of 1.00Flag
question

Which of the following agile methodologies depends on the cohesiveness of the team and individual commitment of the team members?

Select one:

- a. Feature Driven Development
- b. SCRUM
- c. Lean Software Development ✓
- d. Extreme programming

Your answer is correct.

The correct answer is: Lean Software Development

Question**4**

Correct

Mark 1.00
out of 1.00Flag
question

which agile methodology divides the development into sprint cycles, in which a Specified set of features are delivered? Choose from the following:

Select one:

- a. Extreme programming
- b. SCRUM ✓
- c. Lean Software Development

Your answer is correct.

The correct answer is: SCRUM

Question**5**Partially
correctMark 0.20
out of 1.00Flag
question

Arrange the Scrum practices in the correct order

- Plan for the Sprint
- Daily Scrum
- Review the Sprint
- Work Review and finding Improvement
- Sprint

Your answer is partially correct.

The correct order for these items is as follows:

1. Plan for the Sprint
2. Sprint
3. Daily Scrum
4. Review the Sprint
5. Work Review and finding Improvement

Question 6

Correct

Mark 1.00
out of 1.00

Flag
question

State true or false. During agile development more emphasize is given for documentation.

Select one:

- a. FALSE ✓
- b. TRUE

Your answer is correct.

The correct answer is: FALSE

[Finish review](#)



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Started on Monday, 9 March 2020, 5:15 PM

State Finished

Completed on Monday, 9 March 2020, 5:16 PM

Time taken 47 secs

Marks 5.00/5.00

Grade 100.00 out of 100.00

Feedback Congratulations! You have passed by securing more than 80%

Quiz navigation



Finish review

Question 1

Correct

Mark 1.00
out of 1.00

Flag
question

_____ ensures that when two different people does the work and update parallelly, one should not over write the other

Select one:

- a. Check-out
- b. Check-in
- c. Baseline
- d. Synchronization control ✓

Your answer is correct.

The correct answer is: Synchronization control

Question 2

Correct

Mark 1.00
out of 1.00

Flag
question

_____ is the process during which the changes of a system are implemented in a controllable manner by following a predefined model, with some reasonable modifications.

Select one:

- a. Change Management ✓
- b. Update Management
- c. Modification Management

Your answer is correct.

The correct answer is: Change Management

Question 3

Correct

Mark 1.00
out of 1.00

Flag
question

From the options select the configuration items that are eligible for configuration management

Select one or more:

- a. Test Report ✓
- b. Source code document ✓
- c. Design Document ✓
- d. SRS ✓

Your answer is correct.

The correct answers are: Source code document, Test Report, SRS, Design Document

Question 4

Correct

Mark 1.00
out of 1.00

Flag
question

Tom and Peter works on the same project. Tom does his work and update the local copy back to the configuration management server. This process is called as

Select one:

- a. Check-in ✓
- b. Check-out
- c. Management
- d. Baseline

Your answer is correct.

The correct answer is: Check-in

Question 5

Correct

Mark 1.00
out of 1.00

Flag
question

Which is the software configuration concept that ensures that change should be done in a controlled and authorized environment?

Select one:

- a. Configuration database
- b. SVN
- c. Baseline ✓
- d. Audit

Your answer is correct.

The correct answer is: Baseline

Finish review



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Started on Sunday, 21 March 2021, 2:45 AM

State Finished

Completed on Sunday, 21 March 2021, 2:54 AM

Time taken 8 mins 48 secs

Marks 5.00/5.00

Grade 100.00 out of 100.00

Feedback Congratulations!! You have passed by securing more than 80%

Question 1

Correct

Mark 1.00 out of 1.00

Collaborative and co-operative approach among all the stakeholders is important. This is a feature of the _____ Agile Methodology

Select one:

- a. Scrum
- b. Dynamic system development method, ✓
- c. Lean Software Development

Your answer is correct.

Collaborative and co-operative approach among all the stakeholders is given importance in Dynamic system development method

The correct answer is: Dynamic system development method,

Question 2

Correct

Mark 1.00 out of 1.00

Match the phases and objectives of Dynamic System Development Method

Implementation phase

Delivers the tested system along with the documentation to the end users

Functional model

Studying the business processes and converting these business process into model

Design and build

Product is developed in iterations

Business study

Analyzing the process and the users who are a part of it and their needs

Feasibility study

Assess cost, time and technical factors

Your answer is correct.

Feasibility study - Assess cost, time and technical factors

Business study - Analyzing the process and the users who are a part of it and their needs

Functional model - Studying the business processes and converting these business process into functional model

Design and build - Product is developed in iterations

Implementation phase - Delivers the tested system along with the documentation to the end users

The correct answer is: Implementation phase → Delivers the tested system along with the documentation to the end users,

Functional model → Studying the business processes and converting these business process into model, Design and build → Product is developed in iterations,

Business study → Analyzing the process and the users who are a part of it and their needs,

Feasibility study → Assess cost, time and technical factors

Correct
Mark 1.00 out of
1.00

- Develop overall Model
- Build a Features List
- Plan by Feature
- Design by Feature
- Build by Feature

Your answer is correct.

1. Develop overall Model
2. Build a Features List
3. Plan by Feature
4. Design by Feature
5. Build by Feature

Question 4

Correct
Mark 1.00 out of
1.00

Match the principles and objectives of Lean Software Development

Build in quality

Quality assurance through out the project development

Deliver fast

Deliver smaller increments of the product in short intervals

Create knowledge

Learn and share with others and empower self

Eliminate waste

Unnecessary work

Defer commitment

Make decisions even at the last possible moment

Your answer is correct.

Eliminate waste - Unnecessary work.

Build in quality - Quality assurance should be integrated through out the project development.

Create knowledge - Learn and share knowledge with others and empower self.

Defer commitment - Make decisions even at the last possible moment.

Deliver fast - Deliver smaller increments of the product in short intervals.

The correct answer is:

Build in quality → Quality assurance through out the project development, Deliver fast → Deliver smaller increments of the product in short intervals,

Create knowledge → Learn and share with others and empower self,

Eliminate waste → Unnecessary work, Defer commitment → Make decisions even at the last possible moment

Correct

Mark 1.00 out of
1.00**Scrum
master**

Coordinator responsible for controlling , handling discussions, communications and removing any barrier or problems during the scrum

**Team
Member**

Programmer, a designer, a tester or an architect

**Product
owner**

Client/Customer

**Your answer is correct.**

Product owner is the client/customer.

Scrum master acts as the coordinator responsible for controlling , handling discussions, communications and removing any barrier or problems during the scrum process.

Team Member can be either a programmer, a designer, a tester or an architect.

The correct answer is: Scrum master → Coordinator responsible for controlling , handling discussions, communications and removing any barrier or problems during the scrum process, Team Member → Programmer, a designer, a tester or an architect, Product owner → Client/Customer

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Dashboard / Software Engineering Concepts / Hands-On / Hands-On

Started on Tuesday, 10 March 2020, 6:02 PM

State Finished

Completed on Tuesday, 10 March 2020, 6:05 PM

Time taken 2 mins 41 secs

Marks 8.00/10.00

Grade 80.00 out of 100.00

Feedback Congratulations! You have passed by securing more than 80%.

Question 1

Incorrect

Mark 0.00
out of 1.00

Flag question

See the code below

```
READ mark;  
IF(mark > 90)  
    GRADE = 'A';  
ELSE IF(mark > 81 && mark < 90)  
    GRADE = 'B';  
ELSE IF(mark > 71 && mark < 80)  
    GRADE = 'C';  
ELSE IF(mark > 61 && mark < 70)  
    GRADE = 'D';  
ELSE IF(mark < 60)  
    GRADE = 'F';  
PRINT GRADE;
```

predict the number of independent paths to be tested.

Select one:

- a. 9
- b. 5
- c. 6
- d. 8

Your answer is incorrect.

The correct answer is: 9

Quiz navigation

| | | | | |
|---|---|---|---|----|
| 1 | 2 | 3 | 4 | 5 |
| 6 | 7 | 8 | 9 | 10 |

Show one page at a time

Finish review

Question 2

Correct

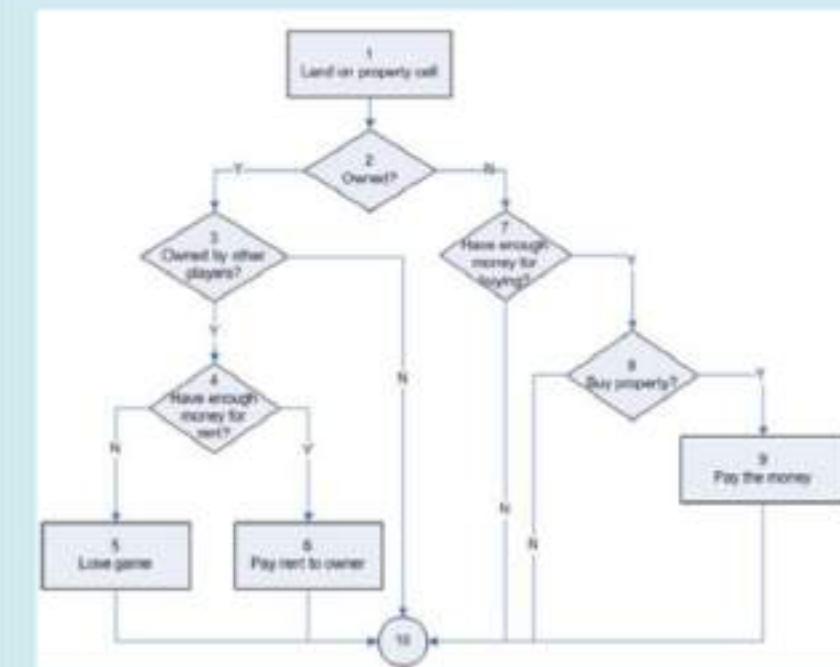
Mark 1.00
out of 1.00

Flag question

Requirement:

If a player lands on a property owned by other players, he or she needs to pay the rent. If the player does not have enough money, he or she is out of the game. If the property is not owned by any players, and the player has enough money buying the property, he or she may buy the property with the price associated with the property.

Find the m/c cab's number for the following flowchart



Select one:

- a. 5
- b. 8
- c. 6 ✓
- d. 7

Your answer is correct.

The correct answer is: 6

Question 3

Incorrect

Mark 0.00
out of 1.00

A module is designed for the retail shop to calculate the discount based on the customer type.

- a) privileged customer then 3% discount
- b) normal customer then no discount

Design test cases using equivalence partitioning for the above scenario.

Flag question

Select one:

- a. Input Expected Output
Privilage Customer 13%
Normal Customer No Discount
Gold Customer Invalid
- b. Input Expected Output
Privilage Customer 3%
Normal Customer No Discount
Gold Customer Invalid
- c. Input Expected Output
Privilage Customer 3%
Normal Customer Invalid
Gold Customer Invalid
- d. Input Expected Output
Privilage Customer 3%
Normal Customer No Discount

Your answer is incorrect.

The correct answer is: Input Expected Output
Privilage Customer 3%
Normal Customer No Discount
Gold Customer Invalid

Question 4

Correct

Mark 1.00
out of 1.00

Flag question

Derive the Cardinality between the student and the School.

A School has many students. The student belongs to a school

Select one:

- a. M:M
- b. M:1
- c. 1:M
- d. 1:1

Your answer is correct.

The correct answer is: M:1

Question 5

A retail shop has provided a discount sale on their products. A module for calculating discount for the total amount of purchase is decided by the following factors

Correct

Mark 1.00
out of 1.00

Flag
question

- a) below 5000 then no discount
- b) 5000 to 20000 then 5% discount
- c) 20001 to 50000 then 10 % discount
- d) above 50000 then 15% discount

Choose from the below appropriate test cases using boundary value analysis for the above scenario

Select one:

a.

Input: Expected Output

4999 No Discount
5000 5%
15000 5%
20000 5%
20001 10%
30000 10%
50000 10%
50001 15% ✓

b. Input: Expected Output

4999 No Discount
5000 10%
15000 10%
20000 5%
20001 5%
30000 5%
50000 10%
50001 15%

c. Input: Expected Output

4999 No Discount
5000 5%
15000 5%
20000 5%
20003 10%
30000 10%
50000 10%
50001 15%

d. Input: Expected Output

4999 No Discount
5000 5%
15000 5%
20001 10%
30000 10%
50000 10%
50001 15%

Your answer is correct.

The correct answer is:

Input: Expected Output
4999 No Discount
5000 5%
15000 5%
20000 5%
20001 10%
30000 10%
50000 10%
50001 15%

Question 6

Correct

Mark 1.00
out of 1.00

Flag question

Which of the following statements are true for the below pseudocode

```
READ A,B,C
IF (A>B AND A>C)
    PRINT "A Is Greater"
IF (B>A AND B>C)
    PRINT "B Is Greater"
IF (C>A AND C>B)
    PRINT "C Is Greater"
```

Select one or more:

- a. Condition when all the variables are given same value is not checked ✓
- b. There are no errors in the above code.
- c. AND should be replaced with OR
- d. Code would be more efficient if, IF is replaced by else-if ✓

Your answer is correct.

The correct answers are: Condition when all the variables are given same value is not checked, Code would be more efficient if, IF is replaced by else-if

Question 7

Correct

Mark 1.00
out of 1.00

Flag question

For the given code, identify the correct independent paths

Program for Search

{

 Binary Search Algorithm

{

1. int bottom = 0;
2. int top = elemArray.length - 1;

```
int mid;
3. r.found = false;
4. r.index = -1;
5. while (bottom <= top)
{
6.     mid = (top + bottom) / 2;
7.     if (elemArray [mid] == key)
8.     {
9.         r.index = mid;
10.        r.found = true;
11.        return;
12.    } // if part
13.    else
14.    {
15.        if (elemArray [mid] < key)
16.            bottom = mid + 1;
17.        else
18.            top = mid - 1;
19.    }
20.} //while loop
21.} // Binary search
22.} //Search
```

Select one or more:

- a. 1, 2, 3, 4, 5, 6, 7, 2, 11, 13, 6, ..
- b. 1, 2, 3, 4, 5, 6, 7, 11, 12, 5, .. ✓
- c. 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 14
- d. 1, 2, 3, 4, 5, 14, 10



Your answer is correct.

The correct answers are: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 14

, 1, 2, 3, 4, 5, 6, 7, 11, 12, 5, ..

Question 8

Correct

Mark 1.00
out of 1.00

Find the mc lab's number for the below code

```
if code is blank or not in database
    display "reenter code"
else
```

If no result and amount < 500

Flag question

```
display "credit not available"
```

```
else
```

```
    display "credit passed"
```

```
end if
```

```
end if
```

Select one:

- a. 6
- b. 7
- c. 5 ✓
- d. 4

Your answer is correct.

The correct answer is: 5

Question 9

Correct

Mark 1.00
out of 1.00

Flag question

A retail shop has provided a discount sale on their products. A module for calculating discount for the total amount of purchase is decided by the following factors:

- a) below 5000 then no discount
- b) 5000 to 20000 then 5% discount
- c) 20001 to 50000 then 10 % discount
- d) above 50000 then 15% discount

Choose from the below appropriate test cases using equivalence partitioning for the above scenario

Select one:

- a.
Input Expected Output
2000 No Discount
7000 5%
30000 10%
60000 10%
- b. Input Expected Output
2000 No Discount
35000 5%
30000 10%
60000 15%
- c.
Input Expected Output
2000 No Discount
7000 5%
30000 10%

60000 15% ✓

d.

Input Expected Output

2000 No Discount

7000 15%

30000 10%

60000 5%

Your answer is correct.

The correct answer is:

Input Expected Output

2000 No Discount

7000 5%

30000 10%

60000 15%

Question 10

Correct

Mark 1.00
out of 1.00

Flag
question

An Employee is Allocated for the Project. Each Employee is described by the empId,Ename,designation and salary. Each Project is described by projID,ProjName,estimatedCost,Actual Cost.

For the above scenario identify the correct entities

Select one:

- a. projID,empId,Employee
- b. Project,projID,ProjName,estimatedCost,ActualCost
- c. Employee,Project ✓
- d. Employee,Project,projID,empId

Your answer is correct

The correct answer is: Employee,Project

Finish review



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Dashboard / Software Engineering Concepts / Hands-On / Test Your Understanding

Started on Tuesday, 10 March 2020, 6:07 PM

State Finished

Completed on Tuesday, 10 March 2020, 6:12 PM

Time taken 5 mins 17 secs

Marks 4.20/5.00

Grade 84.00 out of 100.00

Feedback Congratulations! You have passed by securing more than 80%.

Quiz navigation



Show one page at a time

Finish review

Question 1

Correct

Mark 1.00
out of 1.00

Flag
question

Collaborative and co-operative approach among all the stakeholders is important. This is a feature of the _____ Agile Methodology

Select one:

- a. Dynamic system development method, ✓
- b. Lean Software Development
- c. Scrum

Your answer is correct.

Collaborative and co-operative approach among all the stakeholders is given importance in Dynamic system development method

The correct answer is: Dynamic system development method.

Question 2

Partially correct

Mark 0.20
out of 1.00

Flag
question

Match the phases and objectives of Dynamic System Development Method

Feasibility study Delivers the tested system along with the documentation to the end users



Business study Assess cost, time and technical factors



Functional model Product is developed in iterations



Implementation phase Delivers the tested system along with the documentation to the end users



Design and build

Studying the business processes and converting these business process into model. 



Your answer is partially correct.

You have correctly selected 1.

Feasibility study - Assess cost, time and technical factors

Business study - Analyzing the process and the users who are a part of it and their needs

Functional model - Studying the business processes and converting these business process into functional model

Design and build - Product is developed in iterations

Implementation phase - Delivers the tested system along with the documentation to the end users

The correct answer is:

Feasibility study → Assess cost, time and technical factors,

Business study → Analyzing the process and the users who are a part of it and their needs,

Functional model → Studying the business processes and converting these business process into model,

Implementation phase → Delivers the tested system along with the documentation to the end users, Design and

build → Product is developed in iterations

Question 3

Correct

Mark 1.00
out of 1.00

 Flag
question

Arrange the phases of Feature Driven Development

- Develop overall Model
- Build a Features List
- Plan by Feature
- Design by Feature
- Build by Feature

Your answer is correct.

1. Develop overall Model

2. Build a Features List

3. Plan by Feature

4. Design by Feature

5. Build by Feature

Question 4

Correct

Mark 1.00
out of 1.00
 Flag question

Match the principles and objectives of Lean Software Development

Eliminate waste

Unnecessary work

Build in quality

Quality assurance through out the project development

Defer commitment

Make decisions even at the last possible moment

Create knowledge

Learn and share with others and empower self

Deliver fast

Deliver smaller increments of the product in short intervals

Your answer is correct.

Eliminate waste - Unnecessary work.

Build in quality - Quality assurance should be integrated through out the project development.

Create knowledge - Learn and share knowledge with others and empower self.

Defer commitment - Make decisions even at the last possible moment.

Deliver fast - Deliver smaller increments of the product in short intervals.

The correct answer is:

Eliminate waste → Unnecessary work;

Build in quality → Quality assurance should be integrated through out the project development, Defer commitment → Make decisions even at the last possible moment;

Create knowledge → Learn and share with others and empower self, Deliver fast → Deliver smaller increments of the product in short intervals

Question 5

Correct

Mark 1.00
out of 1.00
 Flag question

Match the roles and responsibilities of the scrum agile methodology

Product owner

Client/Customer

Scrum master

Coordinator responsible for controlling , handling discussions, communications and removing any barrier or pr

Team
Member

Programmer, a designer, a tester or an architect

Your answer is correct.

Product owner is the client/customer.

Scrum master acts as the coordinator responsible for controlling, handling discussions, communications and removing any barrier or problems during the scrum process.

Team Member can be either a programmer, a designer, a tester or an architect.

The correct answer is: Product owner → Client/Customer; Scrum master → Coordinator responsible for controlling, handling discussions, communications and removing any barrier or problems during the scrum process; Team Member → Programmer, a designer, a tester or an architect

Finish review



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Started on Wednesday, 18 March 2020, 6:19 PM

State Finished

Completed on Wednesday, 18 March 2020, 6:20 PM

Time taken 58 secs

Marks 4.00/5.00

Grade **80.00** out of 100.00

Feedback Congratulations!! You have passed by securing more than 80%

Question 1

Not answered

Marked out of
1.00

Ram designed a portal to get citizen feedback regarding the voting process in India. The end user should choose either like or unlike image, so that it should redirect to a page "thanks.html".

Select one:

- a.

```
<form action="thanks.html">


</form>
```
- b.

```
<form action="thanks.html">
<input type="submit">


</input>
</form>
```
- c.

```
<form action="thanks.html">
<input type="submit" src="like.jpg"/>
<input type="submit" src="unlike.jpg"/>
</form>
```
- d.

```
<form action="thanks.html">
<input type="image" src="like.jpg" value="submit"/>
<input type="image" src="unlike.jpg" value="submit"/>
</form>
```

Your answer is incorrect.

The correct answer is:

```
<form action="thanks.html">
<input type="image" src="like.jpg" value="submit"/>
<input type="image" src="unlike.jpg" value="submit"/>
</form>
```

Correct
Mark 1.00 out
of 1.00

| mm / dd / yyyy | |
|----------------|------------------|
| 01/26/2017 | Republic Day |
| 05/01/2017 | May Day |
| 08/15/2017 | Independence Day |
| Other... | |

Which of the following used to do this:

Select one:

- a.

```
<input type="date" id="date" name="date" list="holidays">
<datalist id="holidays">
  <option label="Republic Day">2017-01-26</option>
  <option label="May Day">2017-05-01</option>
  <option label="Independence Day">2017-08-15</option>
</datalist>
```

 ✓
- b.

```
<input type="date" id="date" min="2017-01-26" max="2017-08-15">
```
- c.

```
<select type="date">
  <option label="Republic Day">2017-01-26</option>
  <option label="May Day">2017-05-01</option>
  <option label="Independence Day">2017-08-15</option>
</select>
```
- d.

```
<input type="date" id="date" name="date" list="holidays">
<select id="holidays">
  <option label="Republic Day">2017-01-26</option>
  <option label="May Day">2017-05-01</option>
  <option label="Independence Day">2017-08-15</option>
</select>
```

Your answer is correct.

The correct answer is:

```
<input type="date" id="date" name="date" list="holidays">
<datalist id="holidays">
  <option label="Republic Day">2017-01-26</option>
  <option label="May Day">2017-05-01</option>
  <option label="Independence Day">2017-08-15</option>
</datalist>
```

Question 3

Correct
Mark 1.00 out
of 1.00

The phone number should accept only 10 digit numbers. Which of the following option will suit.

Select one:

- a.

```
<input type="number" min="0" max="9" />
```
- b.

```
<input type="text" min="0" max="9" />
```
- c.

```
<input type="text" pattern="[0-9]{10}" />
```

 ✓
- d.

```
<input type="number" pattern="[0-9]{10}" />
```

Your answer is correct.

The correct answer is:

```
<input type="text" pattern="[0-9]{10}" />
```



Correct

Mark 1.00 out
of 1.00

should have a value "Only numbers are allowed", once we type the phone no it

should get disappeared automatically.

Which of the below option will suit for the above scenario.

Select one or more:

- a. <input type="tel" default="Only numbers are allowed">
- b. <input type="text" value="Only numbers are allowed">
- c. <input type="text" placeholder="Only numbers are allowed"> ✓
- d. <input type="tel" value="Only numbers are allowed">
- e. <input type="tel" placeholder="Only numbers are allowed"> ✓

Your answer is correct.

The correct answers are: <input type="text" placeholder="Only numbers are allowed">, <input type="tel" placeholder="Only numbers are allowed">

Question 5

Correct

Mark 1.00 out
of 1.00

Choose the relevant HTML input type attributes.

| | | |
|----------------|--------|---|
| Marital Status | radio | ✓ |
| Email-id | email | ✓ |
| PANNO | text | ✓ |
| MobileNo | number | ✓ |
| Webaddress | URL | ✓ |
| Loan tenure | range | ✓ |

Your answer is correct.

The correct answer is: Marital Status → radio, Email-id → email, PANNO → text, MobileNo → number, Webaddress → URL, Loan tenure → range

Started on Wednesday, 18 March 2020, 1:32 AM

State Finished

Completed on Wednesday, 18 March 2020, 1:34 AM

Time taken 2 mins 37 secs

Marks 4.50/5.00

Grade 90.00 out of 100.00

Feedback Congratulations!! You have passed by securing more than 80%

Question 1

Correct

Mark 1.00 out of 1.00

HTML stands for _____

Select one:

- a. Hyper Text Markup Language ✓
- b. Hot Markup Language
- c. Hyper Text Markup Language
- d. Hot Mail

Your answer is correct.

The correct answer is: Hyper Text Markup Language

Question 2

Correct

Mark 1.00 out of 1.00

An application that lets you search and see material on the internet is

Select one:

- a. Homepage
- b. Webpage
- c. Browser ✓ 
- d. Website

Your answer is correct.

The correct answer is: Browser

Question 3

Partially correct

Mark 0.50 out of 1.00

Match the tag with its most appropriate answer:

| | | |
|------------|------------------------------------|---|
| <iframe> | a webpage contains another webpage | ✓ |
| <map> | navigate across webpages | ✗ |
| <colgroup> | merge one / more columns | ✓ |
| <a> | close tag is mandatory | ✗ |

Your answer is partially correct.

You have correctly selected 2.

The correct answer is: <iframe> → a webpage contains another webpage, <map> → navigate across webpages, <colgroup> → merge one / more columns, <a> → close tag is mandatory



Correct

Mark 1.00 out
of 1.00

Select one:

- a. <head></head> ✓
- b. <title></title>
- c. <body></body>
- d.
</br>

Your answer is correct.

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

**Question
5**

Correct

Mark 1.00 out
of 1.00

Which of the following is / are the new features of HTML5?

Select one or more:

- a. Enhanced comment lines
- b. Performs Client-Side validation ✓
- c. Browser automatically provide space before and after the tag <p>
- d. Supports offline Storage ✓

Your answer is correct.

The correct answers are: Performs Client-Side validation, Supports offline Storage

Started on Wednesday, 18 March 2020, 1:40 AM

State Finished

Completed on Wednesday, 18 March 2020, 6:11 PM

Time taken 16 hours 30 mins

Marks 6.57/8.00

Grade 82.14 out of 100.00

Feedback Congratulations!! You have passed by securing more than 80%

Question 1

Partially
correct

Mark 0.57 out
of 1.00

Identify the correct type of tags:

- <footer> - Semantic tag ✓
- <code> - body tags ✗
- <pre> - body tags ✗
- <sup> - Formatting tag ✓
- <header> - Semantic tag ✓
- <aside> - body tags ✗
- - Formatting tag ✓

Your answer is partially correct.

You have correctly selected 4.

The correct answer is:

Identify the correct type of tags:

- <footer> - [Semantic tag]
- <code> - [Formatting tag]
- <pre> - [Formatting tag]
- <sup> - [Formatting tag]
- <header> - [Semantic tag]
- <aside> - [Semantic tag]
- - [Formatting tag]



Correct

Mark 4.00 out
of 4.00

The attribute `blank` ✓ opens a linked page in a new window or in a tab.

The attribute `_self` ✓ opens the linked page in the same frame as it was clicked. This is the default feature for this attribute.

The attribute `_parent` ✓ will open the linked page in the parent frame.

`_top` ✓ opens the linked page in the full body of the window.

Correct
Mark 1.00 out
of 1.00

Employee Appraisal Form

Employee ID

Employee Name

Performance Rating

Email

✓ <!DOCTYPE html>
<html>
<head>
<style type="text/css">
body
{
background-color:#DDFFAA;
}
h1{
font-style:italic;
text-align:center;
}
form
{
margin : 0 auto;
width:300px;
}
</style>

✓ </head>
<body >
<h1>Employee Appraisal Form</h1>
<form >
<table>
<tr>
<td>Employee ID</td>
<td><input type="text" name="employeeID" id="employeeID" required="required"> </td>
</tr>

✓ <tr>
<td>Employee Name</td>
<!-- Fill the attribute so that this text box takes a maximum of 30 characters -->
<td><input type="text" name="employeeName" id="employeeName" required="required" > </td>
</tr>

✓ <tr>
<td>Performance Rating</td>
<td><input type="number" name="rating" id="rating" min="0" max="10" ></td>
</tr>

✓ <tr>
<td>Email</td>
<td><input type="text" name="employeeEmail" id="employeeEmail" required="required" ></td>
</tr>

✓ <tr>
<td><input type="submit" name="submit" value="Save Appraisal"> </td>
<td><input type="reset" name="reset" value="Clear"> </td>
</tr>

✓ </table>
</form>
</body>
</html>

Your answer is correct.



Not answered
Marked out of
1.00

data attribute -

Choose... ▾

href attribute :

Choose... ▾

src attribute :

Choose... ▾

content attribute :

Choose... ▾

Your answer is incorrect.

The correct answer is:

data attribute - → object tag,

href attribute : → area tag,

src attribute : → audio tag,

content attribute : → meta tag

Question 5

Correct

Mark 1.00 out
of 1.00

Drag and drop the correct options:

- article tag can be used for content that we think it can be distributed. Just like news or blog entry can we can share in RSS feed.
- progress tag shows user progress through a series of forms.
- meter tag useful for disk quota usage.
- canvas tag is used to create dynamic and interactive graphics.
- em tag makes the text in italics

Your answer is correct.

The correct answer is:

Drag and drop the correct options:

[article tag] can be used for content that we think it can be distributed. Just like news or blog entry can we can share in RSS feed.

[progress tag] shows user progress through a series of forms.

[meter tag] useful for disk quota usage.

[canvas tag] is used to create dynamic and interactive graphics.

[em tag] makes the text in italics

 [Dashboard](#) / [Web Technology](#) / [CSS3](#) / [Post-Quiz](#)

Started on Friday, 12 March 2021, 1:46 AM

State Finished

Completed on Friday, 12 March 2021, 1:52 AM

Time taken 6 mins 33 secs

Marks 4.00/5.00

Grade **80.00** out of 100.00

Feedback

Congratulations!! You have passed by securing more than 80%

Question 1

Correct

Mark 1.00 out of 1.00

Consider the below code snippet:

```
<!DOCTYPE html>
<html>
<head>
<style type="text/css">
p{
color: blue;
}

</style>
</head>
<body>

//line1 <p>Cascading Style Sheets (CSS).</p><br>
//line2 <p>HyperText Markup Language (HTML).</p><br>
//line3 <p>XML stands for Extensible Markup Language.<p>

</body>
</html>
```

In above code for line1,2 and 3 the content will be displayed in blue color. What change we need to make so that line 3 contents alone will be displayed in green color.

Select one or more:

- a. change the line1,2,3 as


```
<p class="p1">Cascading Style Sheets (CSS).</p><br>
<p class="p2">HyperText Markup Language (HTML).</p><br>
<p class="p3">XML stands for Extensible Markup Language.<p>
and change the style as
```

p3{
color: green;
}
- b. change the line1,2,3 as


```
<p class="p1">Cascading Style Sheets (CSS).</p><br>
<p class="p2">HyperText Markup Language (HTML).</p><br>
<p class="p3">XML stands for Extensible Markup Language.<p>
```
- c. change the line1,2,3 as


```
<p class="p1">Cascading Style Sheets (CSS).</p><br>
<p class="p2">HyperText Markup Language (HTML).</p><br>
<p class="p3">XML stands for Extensible Markup Language.<p>
and change the style as
```

.p3{
color: green;
}
p{
color: blue;
} ✓
- d. change the line 3 as <p style="color:green">XML stands for Extensible Markup Language.<p> ✓

Your answer is correct.

The correct answers are: change the line 3 as <p style="color:green">XML stands for Extensible Markup Language.<p>, change the line1,2,3 as

```
<p class="p1">Cascading Style Sheets (CSS).</p><br>
<p class="p2">HyperText Markup Language (HTML).</p><br>
<p class="p3">XML stands for Extensible Markup Language.<p>
```

```
.p3{
```

```
    color: green;  
}  


```
p{
 color: blue;
}
```


```

Question 2

Incorrect

Mark 0.00 out of 1.00

Which vendor-prefix we have to use to set specific CSS3 properties to work on Mozilla Firefox browsers in order to avoid the inconsistencies between various implementations?

Select one:

- a. -gecko-
- b. -moz-
- c. -webkit- ✗
- d. -o-

Your answer is incorrect.

The correct answer is: -moz-

Question 3

Correct

Mark 1.00 out of 1.00

Choose the correct declaration of the following CSS3

Select one:

- a. body={color:red}
- b. body {color-red;}
- c. body{color:red;} ✓
- d. body-color:red

Your answer is correct.

The correct answer is: body{color:red;}

Question 4

Correct

Mark 1.00 out of 1.00

Re-arrange the code below in a correct order to display the content inside <p> tag in the following format:

Uppercase, Lowercase then Capitalize

```
✓ <html>
<head>

✓ <style>

✓ p.uppercase
{

✓ text-transform: uppercase;
}

✓ p.lowercase {

✓ text-transform: lowercase;

✓ }

✓ p.capitalize {
text-transform: capitalize;
}

✓ </style>
</head>
</html>
```

Your answer is correct.

Question 5

Correct

Mark 1.00 out of 1.00

<p style="color: green;">Cascading Style Sheets (CSS) is a style sheet language used for describing the presentation of a document written in a markup language</p>

The above code snippet is an example for?

Select one:

- a. Internal CSS
- b. Tag Specific CSS
- c. External CSS
- d. Inline CSS ✓

Your answer is correct.

The correct answer is: Inline CSS

Started on Friday, 12 March 2021, 1:54 AM

State Finished

Completed on Friday, 12 March 2021, 1:58 AM

Time taken 4 mins 40 secs

Marks 4.00/5.00

Grade **80.00** out of 100.00

Feedback

Congratulations!! You have passed by securing more than 80%

Question 1

Correct

Mark 1.00 out of 1.00

Which of the following tag provides a hint to the user of what can be entered in the field, on placing the cursor on the corresponding field?

Select one:

- a. required
- b. title
- c. placeholder ✓
- d. pattern

Your answer is correct.

The correct answer is: placeholder

Question 2

Correct

Mark 1.00 out of 1.00

Which of the following are non-semantic tag(s) of HTML5?

Select one or more:

- a. <header>
- b. ✓
- c. <div> ✓
- d. <nav>

Your answer is correct.

The correct answers are: <div>,

Correct

Mark 1.00 out of
1.00

Which of the following option is used to display the range value in the image as shown above.

Select one:

- a. `Mark Range(1to100)<input type="range" name="mark" id="markInputId" min="1" max="100" oninput="markOutputId.value = markInputId.value" outputname="markOutputName" id="markOutputId">`
- b. `Mark Range(1to100)<input type="range" name="mark" id="markInputId" min="1" max="100">`
- c. `Mark Range(1to100)<input type="range" name="mark" id="markInputId" min="1" max="100" oninput="markOutputId.value = markInputId.value">
<output name="markOutputName" id="markOutputId"></output> ✓`
- d. `Mark Range(1to100)<input type="range" name="mark" id="markInputId" min="1" max="100" oninput="markOutputId.value = markInputId.value">`

Your answer is correct.

The correct answer is: `Mark Range(1to100)<input type="range" name="mark" id="markInputId" min="1" max="100" oninput="markOutputId.value = markInputId.value">
<output name="markOutputName" id="markOutputId"></output>`

Question 4

Incorrect

Mark 0.00 out of
1.00

A book is implemented as a web page which has many topics in it. To make navigation to each topic easy, hyperlinks needs to be provided in the page. Which of the following option will do that?

Select one:

- a. `Topic 1

Topic.2

Introduction of topic.1
Introduction of topic.2 ✗`
- b. `Topic 1

Topic.2
`
- c. `Topic 1

Topic.2

Introduction of topic.1
Introduction of topic.2`
- d. `Topic 1

Topic.2

<div>Introduction of topic.1</div>
<div>Introduction of topic.2</div>`

Your answer is incorrect.

The correct answer is: `Topic 1

Topic.2
`

Correct
Mark 1.00 out of 1.00

```
<form action="success.html" novalidate="novalidate">  
<input type="checkbox" name="Qualification" value="UG">UG<br>  
<input type="checkbox" name="Qualification" value="PG">PG<br>  
<input type="checkbox" name="Qualification" value="12th" required="required"> 12th<br>  
</form>
```

The validation code has been written to check atleast one checkbox, the code is not working what could be the reason.

Select one:

- a.
 cannot be used in between the input tag.
- b. The value for novalidate should be "validate".
- c. The required attribute will not work for checkbox.
- d. In the form attribute, we have given novalidate. ✓

Your answer is correct.

The correct answer is: In the form attribute, we have given novalidate.

Started on Tuesday, 16 March 2021, 2:46 PM

State Finished

Completed on Tuesday, 16 March 2021, 2:49 PM

Time taken 2 mins 55 secs

Marks 8.00/9.00

Grade **88.89** out of 100.00

Feedback Congratulations!! You have passed by securing more than 80%

Question 1

Correct

Mark 1.00 out of 1.00

- [RGB colors] ✓ - Each parameter specifies the intensity of the color ranging from 0 to 255.
- [RGBA colors] ✓ - It has an additional parameter alpha to specify the opacity of a color.
- [HSL colors] ✓ - Colors can be defined in Hue-Saturation-Lightness model using certain.
- [HSLA model] ✓ - is similar to RGBA model with alpha as an additional parameter notation.

Your answer is correct.

The correct answer is:

[RGB colors] - Each parameter specifies the intensity of the color ranging from 0 to 255.

[RGBA colors] - It has an additional parameter alpha to specify the opacity of a color.

[HSL colors] - Colors can be defined in Hue-Saturation-Lightness model using certain.

[HSLA model] - is similar to RGBA model with alpha as an additional parameter notation.

Question 2

Correct

Mark 3.00 out of 3.00

column-count: 3; 3 -webkit-column-count

Write the correct css code for dividing the text in the <p> element into 3 columns in the web browsers like Chrome, Safari, Opera and Firefox.

```
p {
    -webkit-column-count: 3;
    -moz-column-count: 3;
    column-count: 3;
}
```

Question 3

Correct

Mark 3.00 out of 3.00

When the styles are directly embedded in the tag itself using the style attribute then it is known as **inline** style , **internal** style will be used if that style needs to be applied for that web page alone and **external** style is that a single file can be used to change the look of all the web pages of the application.

Question 4

Correct

Mark 1.00 out of 1.00

Identify the selectors:

`*{ font-family : Arial;}`

Universal selector

`.colorChange { color : magenta}`

Class selector

`#rollno { background-color: red }`

Id selector

`h2 { color : green }`

Element selector



Question 5

Incorrect

Mark 0.00 out of 1.00

Write the correct format for changing the font type of texts inside all the `<p>` tags in a web page from 'arial' to 'calibri' in internal style.Answer: `p{font-family:calibri;}`The correct answer is: `p{font-family:calibri;}`

Started on Sunday, 14 March 2021, 5:04 PM

State Finished

Completed on Sunday, 14 March 2021, 5:12 PM

Time taken 8 mins 4 secs

Marks 9.00/10.00

Grade 90.00 out of 100.00

Feedback

Congratulations!! You have passed by securing more than 80%

Question 1

Correct

Mark 1.00 out of 1.00

Sita wishes to greet the user when the user clicks on "Greet Me" button. In which event does she need to write the javascript code for greeting the user?

Select one:

- a. onmouseover
- b. onclick ✓
- c. onmouseupclick
- d. onchange

Your answer is correct.

The correct answer is: onclick

Question 2

Correct

Mark 1.00 out of 1.00

In a webpage that has javascript, the script executes in the browser.

Select one:

- True ✓
- False

The correct answer is 'True'.

Question 3

Incorrect

Mark 0.00 out of 1.00

What is the output of the below code snippet

```
<script type="text/javascript">  
amt=55+"55";  
document.write(amt);  
</script>
```

Select one:

- a. 110
- b. 5
- c. 5555
- d. Error, No Output. ✗

Your answer is incorrect.

The correct answer is: 5555

Question 4

Correct

Mark 1.00 out of 1.00

Choose the correct JavaScript statement which helps you to write "World of JavaScript" in a web page?

Select one:

- a. response.write("World of JavaScript")
- b. document.write("World of JavaScript") ✓
- c. System.out.println("World of JavaScript")
- d. println ("World of JavaScript")

Your answer is correct.

The correct answer is: document.write("World of JavaScript")

Question 5

Correct

Mark 1.00 out of 1.00

Predict the output of the following javascript code:

```
<html>
<head>
<script>
var txt= "pass 70% fail 30%";
var pattern = /\D/g;
var res= txt.match(pattern);
document.write(res);
</script>
</head>
</html>
```

Select one:

- a. 7,0%,3,0,%
- b. p,a,s,s, ,%, ,f,a,i,l, ,% ✓
- c. 7,0,3,0
- d. 7,0%, ,3,0,%

Your answer is correct.

The correct answer is: p,a,s,s, ,%, ,f,a,i,l, ,%

Question 6

Correct

Mark 1.00 out of 1.00

Polson is allocated with the task of email validation in java script. He needs to extract character by character and check for email validation like looking for @ . etc. Which method is best suited to extract every character from the text?

Select one:

- a. charAt() ✓
- b. characterAt()
- c. getCharAt()

Your answer is correct.

The correct answer is: charAt()

Question**7**

Correct

Mark 1.00 out of
1.00

Ram is the developer of Allen Software company. He is designing the website for the banking application.

There is a button called 'check interest rates'. When that button is clicked, the user has to be redirected to a separate page to show the domestic interest rates. Help Ram in accomplishing this task using the javascript.

Select one:

- a. url.newlocation
- b. window.location ✓
- c. page.location
- d. window.reload

Your answer is correct.

The correct answer is: window.location

Question**8**

Correct

Mark 1.00 out of
1.00

`parseInt()` method converts the string to an integer. Before applying this function, Ram wants to know the type of the argument that is passed to the function. What operator in javascript would support this?

Select one:

- a. instanceof
- b. getType
- c. isofType
- d. typeof ✓

Your answer is correct.

The correct answer is: typeof

Question**9**

Correct

Mark 1.00 out of
1.00

Which of the below is the correct syntax for executing some code if "amt" is equal to 5000?

Select one:

- a. if (amt equals 5000)
- b. if (amt == 5000) ✓
- c. if (amt === "5000")
- d. if (amt = 5000)

Your answer is correct.

The correct answer is: if (amt == 5000)

Question**10**

Correct

Mark 1.00 out of
1.00

Choose the correct syntax for referring to an external JavaScript file called "myScript.js"?

Select one:

- a. <script href="myScript.js">
- b. <script name="myScript.js">
- c. <script src="myScript.js"> ✓

Your answer is correct.

The correct answer is: <script src="myScript.js">

Started on Sunday, 14 March 2021, 5:00 PM

State Finished

Completed on Sunday, 14 March 2021, 5:03 PM

Time taken 2 mins 53 secs

Marks 4.00/5.00

Grade 80.00 out of 100.00

Feedback

Congratulations!! You have passed by securing more than 80%

Question 1

Incorrect

Mark 0.00 out of 1.00

Which of the following units are recommended to use?

Select one or more:

- a. em
- b. in
- c. % ✓
- d. pt ✗

Your answer is incorrect.

The correct answers are: em, %

Question 2

Correct

Mark 1.00 out of 1.00

When a user views a page containing a JavaScript program, which machine actually executes the script?

Select one:

- a. A central machine deep within Netscape's corporate offices
- b. The Web server
- c. The User's machine running a Web browser ✓
- d. None of the options given

Your answer is correct.

The correct answer is: The User's machine running a Web browser

Question 3

Correct

Mark 1.00 out of 1.00

Which of the below statements are used to comment a line in CSS file?

Select one:

- a. // this is a comment
- b. // this is a comment //
- c. <!-- this is a comment -->
- d. /* this is a comment */ ✓

Your answer is correct.

The correct answer is: /* this is a comment */

Question 4

Correct

Mark 1.00 out of 1.00

Choose the correct option(s) that we can't be done with client-side JavaScript?

Select one:

- a. None of the options given
- b. Store the form's contents to a database file on the server ✓
- c. Send a form's contents by email
- d. Validate a form

Your answer is correct.

The correct answer is: Store the form's contents to a database file on the server

Question 5

Correct

Mark 1.00 out of 1.00

Which tag is an extension to HTML that can enclose any number of JavaScript statements?

Select one:

- a. <HEAD>
- b. <SCRIPT> ✓
- c. <STYLE>
- d. <BODY>

Your answer is correct.

The correct answer is: <SCRIPT>

Started on Monday, 15 March 2021, 1:37 AM

State Finished

Completed on Monday, 15 March 2021, 1:44 AM

Time taken 6 mins 54 secs

Marks 8.50/10.00

Grade **85.00** out of 100.00

Feedback Congratulations!! You have passed by securing more than 80%

Question 1

Correct

Mark 1.00 out of 1.00

Drag and Drop the correct options:

isNaN(0)

✓ returns true if zero is a legal number otherwise returns false.

String(obj))

✓ converts the Boolean object "obj" into String object.

escape()

✓ function computes a new String in which certain characters from the given string have been replaced by hexadecimal values.

encodeURI()

✓ function makes the respective URI as portable, so that it can be used across any network to any computers.

isFinite()

✓ function returns true if the input given is a legal finite number, otherwise returns false.

parseInt (obj)

✓ function converts the string object "obj" to an integer value.

✓ function converts the string object "obj" to an integer value.

Your answer is correct.

The correct answer is:

Drag and Drop the correct options:

[isNaN(0)] returns true if zero is a legal number otherwise returns false.

[String(obj))] converts the Boolean object "obj" into String object.

[escape()] function computes a new String in which certain characters from the given string have been replaced by hexadecimal values.

[encodeURI()] function makes the respective URI as portable, so that it can be used across any network to any computers.

[isFinite()] function returns true if the input given is a legal finite number, otherwise returns false.

[parseInt (obj)] function converts the string object "obj" to an integer value.

Question 2

Partially correct

Mark 5.00 out of 6.00

Choose the correct options:

JavaScript : Client Side Scripting Language ✓

VBScript : Client Side Scripting Language ✓

ASP : Server Side Scripting Language ✓

Perl-CGI : Server Side Scripting Language ✓

Python : Client-Server Scripting Language ✘ [Server Side Scripting Language]

PHP : Server Side Scripting Language ✓

**Question
3**

Correct

Mark 1.00 out of
1.00

Match the following:

Find any of the alternatives specified. x or y

 (x/y) ✓

The top level object in DOM -

 Document ✓

The Web page currently shown in the browser window

 Window object ✓

It matches any character from lowercase a through uppercase Z

 [a-Z] ✓

It matches any decimal digit not from 0 through 9

 [^0-9] ✓

Find any one character between the brackets

 [abc] ✓

Your answer is correct.

The correct answer is:

Find any of the alternatives specified. x or y → (x/y), The top level object in DOM - → Document, The Web page currently shown in the browser window → Window object, It matches any character from lowercase a through uppercase Z → [a-Z], It matches any decimal digit not from 0 through 9

→ [^0-9],

Find any one character between the brackets

→ [abc]

Question 4

Partially correct

Mark 0.50 out of 1.00

Rearrange the JavaScript code for storing and displaying the contents of two arrays.

 <script type="text/javascript">

 var n1=new Array(5);
var n2=new Array();

 displayArray(n2);
function displayArray(array){

 for(var i=0;i<n1.length;i++)

 n1[i]=i;
for(var i=0;i<n1.length;i++)

 n2[i]=1;
displayArray(n1);

 for(var i=0;i<array.length;i++)

 document.writeln(array[i]+ " ");
}
</script>

Your answer is partially correct.

The correct order for these items is as follows:

1. <script type="text/javascript">
2. var n1=new Array(5);
var n2=new Array();
3. for(var i=0;i<n1.length;i++)
4. n1[i]=i;
for(var i=0;i<n1.length;i++)
5. n2[i]=1;
displayArray(n1);
6. displayArray(n2);
function displayArray(array){
7. for(var i=0;i<array.length;i++)
8. document.writeln(array[i]+ " ");
}
</script>

**Question
5**

Correct

Mark 1.00 out of
1.00

Re-arrange the JavaScript code for checking whether a number is positive or negative or zero.

```
✓ <script type="text/javascript">  
var no = 0;  
  
✓ if( no==0 ) {  
  
✓   document.write("The number is zero");  
}  
  
✓ else if(no>0) {  
  
✓   document.write("The number is positive");  
}  
else {  
  
✓   document.write("The number is negative");  
}  
</script>
```

Your answer is correct.

Started on Thursday, 25 March 2021, 12:00 AM

State Finished

Completed on Thursday, 25 March 2021, 12:05 AM

Time taken 4 mins 35 secs

Marks 8.00/8.00

Grade 100.00 out of 100.00

Feedback

Congratulations!! You have passed by securing more than 80%

Question 1

Correct

Mark 1.00 out of 1.00

Bind an event handler to the "blur" JavaScript event on an element.

Select one:

- a. .blurOn()
- b. .blur() ✓
- c. .blurElement()
- d. .focus()

The correct answer is: .blur()

Question 2

Correct

Mark 1.00 out of 1.00

John wants to animate (moving effect) an element in the webpage he designed. For this, he set its CSS position property to its default value and applied the animations. If there is no syntax error in the code, what would be output he gets?

Select one or more:

- a.
Animation failed because the CSS position property set to default value ✓
- b.
Animation failed because the CSS position property set to static ✓
- c. Animation failed because the CSS position property set to Fixed
- d.
Run the webpage successfully with animated elements

Your answer is correct.

The correct answers are:

Animation failed because the CSS position property set to default value,
Animation failed because the CSS position property set to static

Question 3

Correct

Mark 1.00 out of 1.00

Some people don't want animation to interfere with their web page experience. What do I do if I want to let a user turn off the animation?

Select one or more:

- a. Use the jquery method:stop.animation()
- b. Not possible to turn off the animation by the user
- c. wire up a click button to this line of code:
\$.fx.off = true; ✓
- d. Use the jquery method:stop() ✓

Your answer is correct.

The correct answers are: wire up a click button to this line of code:

\$.fx.off = true;; Use the jquery method:stop()

Question 4

Correct

Mark 1.00 out of
1.00

Animates the space between letters for all paragraphs with default duration of 400 milliseconds. Which jQuery code accomplishes this task?

Select one:

- a. \$("#p").animate({letterSpacing:"400px"});
- b. \$("p").animate({letterSpacing:"15px"}); ✓
- c. \$(".p").animate({letterSpacing:"400"});

Your answer is correct.

The correct answer is: \$("p").animate({letterSpacing:"15px"});

Question 5

Correct

Mark 1.00 out of
1.00

If you are using \$ in your own code, or are using another library, such as prototype, that uses \$, you can call _____ to restore \$ to its original value.

Select one:

- a. jQuery.restoreDefault()
- b. jQuery.noConflict() ✓
- c. jQuery.removeConflict()
- d. jQuery.restoreFunction()

Your answer is correct.

The correct answer is: jQuery.noConflict()

Question 6

Correct

Mark 1.00 out of
1.00

Rhita wants to replace jQuery code '\$(document).ready(fun)' using another equivalent method. Help her to find the correct method from the given options.

Select one:

- a. #(fun)
- b. There is no equivalent function for the given code
- c. jQuery(fun)
- d. \$(fun) ✓

Your answer is correct.

The correct answer is: \$(fun)

Question 7

Correct

Mark 1.00 out of
1.00

Assume 'name' is the id of a text input field in a web page and you have written a jQuery code in the click event of a button as :
\$("#name").remove();

This will remove the text field when you click on the button . State whether true or false.

Select one:

- a. True ✓
- b. False

The correct answer is: True

Question 8

Correct

Mark 1.00 out of
1.00

When you don't want people to click a submit button twice on a form, or you only want to allow them to do something once on a page, what kind of functions you have to use for this?

Select one:

- a.
`$("#myElement").bind ('click', function() {});
$("#myElement").unbind('click');`
- b.
`($("#myElement").attach ('click', function() {});
($("#myElement").detach('click');`
- c.
`($("#myElement").add ('click', function() {});
($("#myElement").remove('click');`

Your answer is correct.

The correct answer is:

```
($("#myElement").bind ('click', function() {});  
($("#myElement").unbind('click');
```

Started on Monday, 15 March 2021, 3:18 AM

State Finished

Completed on Monday, 15 March 2021, 3:19 AM

Time taken 46 secs

Marks 4.00/5.00

Grade **80.00** out of 100.00

Feedback

Congratulations!! You have passed by securing more than 80%

Question 1

Correct

Mark 1.00 out of 1.00

Which of the following is/are true about HTML?

Select one or more:



a. Browser does not throw any error even if we have mistakes in the HTML syntax ✓



b. HTML is used only for web designing



c. HTML is not case sensitive ✓



d. Tags would mostly work properly even if we don't have an end tag for each start tag ✓

Your answer is correct.

The correct answers are:

HTML is not case sensitive,

Tags would mostly work properly even if we don't have an end tag for each start tag,

Browser does not throw any error even if we have mistakes in the HTML syntax

Question 2

Correct

Mark 1.00 out of 1.00

If you want to change the colour of a link to red when moving the mouse pointer over it, which CSS property do you need to change?

Select one:



a. a:hover{ color: red; } ✓



b. a{ color: red; }



c. link:visited{ color: red; }



d. a:moved{color: red; }

Your answer is correct.

The correct answer is:

a:hover{ color: red; }

Question 3

Correct

Mark 1.00 out of 1.00

Which of the following is most appropriate tag in html5 to divide the document into logical document groups?

Select one:

- a.
- b. <div></div>
- c. <section></section> ✓
- d. <group></group>

Your answer is correct.

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

Question 4

Correct

Mark 1.00 out of 1.00

The following elements <header>, <footer>, <article>, <section> are the new elements in HTML5. These elements are called,

Select one:

- a. Multimedia elements
- b. Graphic elements
- c. Semantic elements ✓
- d. Control elements

Your answer is correct.

The correct answer is: Semantic elements

Question 5

Incorrect

Mark 0.00 out of 1.00

When referencing an HTML element preceded by a ' .' (dot), what javascript function is this equivalent to?

Select one:

- a. getElementById ✗
- b. getElementByTagName
- c. None of the options given
- d. getElementByClassName

Your answer is incorrect.

The correct answer is: None of the options given



Started on Thursday, 26 March 2020, 5:00 PM

State Finished

Completed on Thursday, 26 March 2020, 5:04 PM

Time taken 3 mins 56 secs

Marks 6.75/8.00

Grade **84.38** out of 100.00

Feedback Congratulations!! You have passed by securing more than 80%

Question 1

Incorrect

Mark 0.00 out
of 1.00

Write the correct jQuery code to select the specified element below:

Selects all elements that are the parent of another element, including text.

Answer: `$(".parent")`



The correct answer is: ":parent"

Partially correct
Mark 0.75 out of 1.00

The form tag with the name 'myForm' contains a drop down box with the id 'select1' for setting the marital status. When the user sets the marital status as 'Married' , then a div tag with the id 'div2' should be displayed which contains the html elements for getting spouse name, no. of children, etc. If the user set the marital status as 'Unmarried' , then it should hide the div tag.

Note:

```
<div> tag id : div2
Dropdown box id : #select1
Dropdown box name:mstate
Form name : myForm
```

```
✓ <script>
✓ $(document).ready(function() {
✗ if(name=='Married'){
✗ $('#select1').change(function(){
var name=document.myForm.mstate.value;
✓ $('#div2').show();
✓ else
✓ $('#div2').hide();
});
✓ });
</script>
```

Your answer is partially correct.

The correct order for these items is as follows:

1. <script>
2. \$(document).ready(function() {
3. \$('#select1').change(function(){
var name=document.myForm.mstate.value;
4. if(name=='Married'){
5. \$('#div2').show(); }
6. else
7. \$('#div2').hide(); }
8. });
</script>

Question 3

Correct
Mark 4.00 out of 4.00

Choose the correct options:

- The fadeTo ✓ method adjusts opacity for the matched element.
- The slideUp ✓ method hides the matched elements with slide.
- The slideDown ✓ method shows the matched elements with slide.
- The fadeIn ✓ method shows the matched elements by fading it to opaque.

Correct

Mark 1.00 out
of 1.00 `$(“p > *”)`

- This selector selects all elements that are children of a paragraph element

 `$(“div[p]”)`

- Selects all elements matched by <div> that contain an element matched by <p>

 `$(“p a.specialClass”)`

- This selector matches links with a class of specialClass declared within <p> elements

 `$(“p a:empty”)`

- Selects all elements that have no children

 `$(“:empty”)`

Your answer is correct.

The correct answer is:

Drag and drop the correct options:

[`$(“p > *”)`] - This selector selects all elements that are children of a paragraph element

[`$(“div[p]”)`] - Selects all elements matched by <div> that contain an element matched by <p>

[`$(“p a.specialClass”)`] - This selector matches links with a class of specialClass declared within <p> elements

[`$(“:empty”)`] - Selects all elements that have no children

Question 5

Correct

Mark 1.00 out
of 1.00

Identify the correct jQuery events:

scroll : Window Event

blur : Form Event

keypress : Key Event

hover : Mouse Event

focus : Form Event

Your answer is correct.

The correct answer is: scroll : → Window Event, blur : → Form Event, keypress : → Key Event,
hover : → Mouse Event, focus : → Form Event

Started on Monday, 22 March 2021, 11:49 PM

State Finished

Completed on Monday, 22 March 2021, 11:56 PM

Time taken 6 mins 35 secs

Marks 4.60/5.00

Grade 92.00 out of 100.00

Feedback Congratulations!!! You have passed by securing more than 80%

Question 1

Correct

Mark 1.00 out of 1.00

Which of the following is not a valid relational database?

Select one:

- a. Sybase
- b. Unify ✓
- c. MySQL
- d. Oracle

Your answer is correct.

The correct answer is: Unify

Question 2

Correct

Mark 1.00 out of 1.00

SQL is a case sensitive language and the data stored inside the table are case in-sensitive. Say true or false?

Select one:

- True
- False ✓

The correct answer is 'False'.

Question 3

Partially correct

Mark 0.60 out of 1.00

Terms of Relational

_____ refers to the range of values that can be stored for an attribute

Degree

_____ refers to number of columns in the table

Domain

_____ refers to the rows of the table

Tuples

_____ refers to number of rows in the table

cardinality

_____ refers to the columns of the table

Attribute

Your answer is partially correct.

You have correctly selected 3.

The correct answer is: _____ refers to the range of values that can be stored for an attribute → Domain, _____ refers to number of columns in the table → Degree, _____ refers to the rows of the table → Tuples, _____ refers to number of rows in the table → cardinality, _____ refers to the columns of the table → Attribute

Question 4

Correct

Mark 1.00 out of
1.00

Tom has designed a payroll software for XYZ technology. The software will store the salary details into the database and later he can retrieve the same for future references. Tom falls under which category of user.

Select one:

- a. Network Administrator
- b. End User
- c. DBA
- d. Application Programmer ✓

Your answer is correct.

The correct answer is: Application Programmer

Question 5

Correct

Mark 1.00 out of
1.00

Choose Correct Option

Data is represented in the form of a tree -

 hierarchical ✓

Data is represented in the form of a graph -

 network ✓

Data is represented in the form of a table -

 relational ✓

Your answer is correct.

The correct answer is: Data is represented in the form of a tree - → hierarchical, Data is represented in the form of a graph - → network,
Data is represented in the form of a table - → relational

Started on Monday, 22 March 2021, 11:46 PM

State Finished

Completed on Monday, 22 March 2021, 11:48 PM

Time taken 2 mins 35 secs

Marks 5/5

Grade 100 out of 100

Feedback Congratulations!!! You have passed by securing more than 80%

Question 1

Correct

Mark 1 out of 1

Which of the following are DML statements?

Select one or more:

- a. INSERT ✓
- b. SELECT ✓
- c. TRUNCATE
- d. CREATE

The correct answers are: SELECT, INSERT

Question 2

Correct

Mark 1 out of 1

Which of the following are considered as constraints?

Select one or more:

- a. Unique ✓
- b. NOT NULL ✓
- c. Check ✓
- d. NULL

The correct answers are: NOT NULL, Unique, Check

Question 3

Correct

Mark 1 out of 1

Which of the following are data models?

Select one or more:

- a. Hierarchical ✓
- b. Relational ✓
- c. Network ✓
- d. Conceptual

The correct answers are: Hierarchical, Network, Relational

Question 4

Correct

Mark 1 out of 1

Database is a shared collection of logically unrelated data, designed to meet the needs of an organization. State True or False.

Select one:

- a. TRUE
- b. FALSE ✓

The correct answer is: FALSE

Question 5

Correct

Mark 1 out of 1

Which of the following represents the degree of the relation?

Select one:

- a. No of rows
- b. Cardinality
- c. Domain
- d. No of Attributes ✓

The correct answer is: No of Attributes

Started on Saturday, 25 January 2020, 4:43 PM

State Finished

Completed on Saturday, 25 January 2020, 4:49 PM

Time taken 5 mins 55 secs

Marks 8.30/9.00

Grade 92.22 out of 100.00

Feedback Congratulations!!! You have passed by securing more than 80%

Question 1

Correct

Mark 1.00 out
of 1.00

We need to ensure that the amount withdrawn should be less than the credit card limit amount, to ensure this integrity what type constraint will be used?

Select one:

- a. column level foreign key constraint
- b. table level check constraint ✓
- c. table level foreign key constraint
- d. column level check constraint

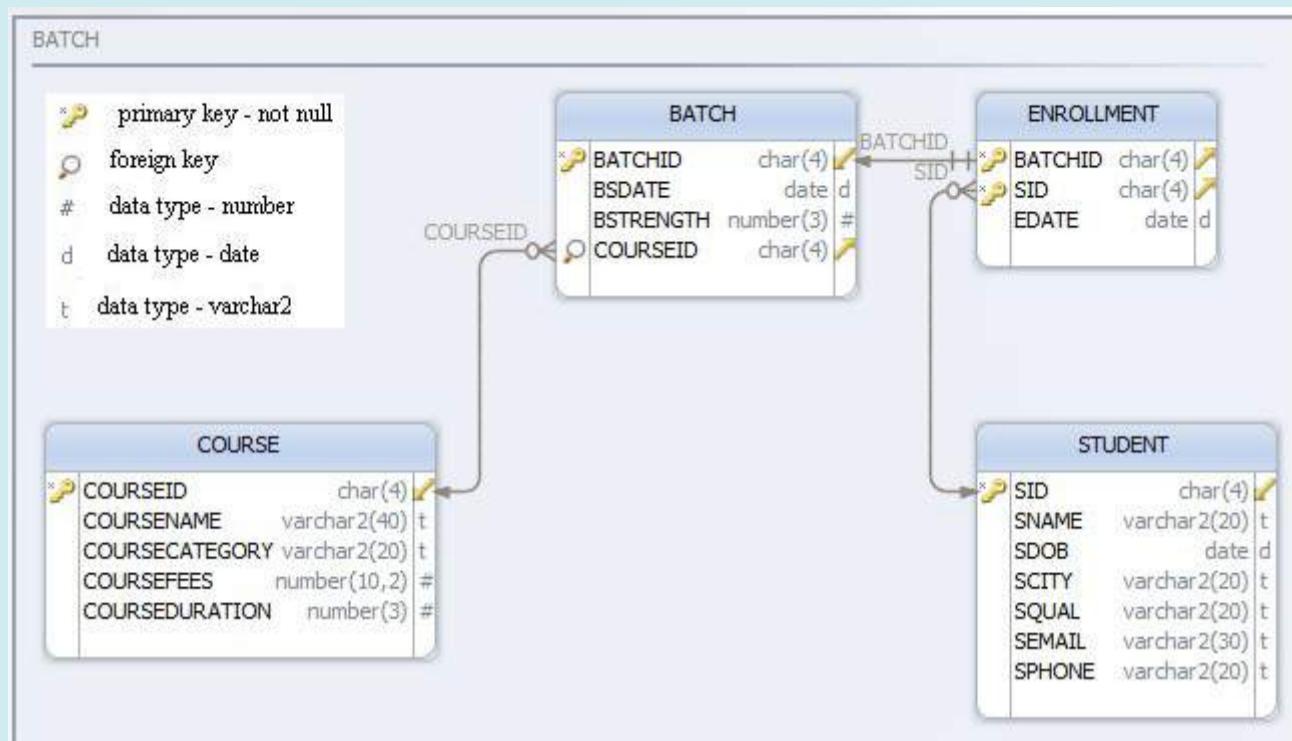
Your answer is correct.

The correct answer is: table level check constraint

Partially
correct
Mark 0.50 out
of 1.00

statements placed are not in the correct order.

Help Tom to place the statements in the correct order. **The script starts from the creation of course table.** The schema diagram is given below



✖ CREATE TABLE enrollment
(
batchid char(4),
sid char(4) ,
edate date,
primary key(batchid,sid),
foreign key(sid) references student(sid),
foreign key(batchid) references batch(batchid)
);

✓ CREATE TABLE student
(
sid char(4) primary key,
sname varchar2(20),
sDOB date,
scity varchar2(20),
squal varchar2(20),
semail varchar2(30),
sphone varchar2(20)
);

✓ CREATE TABLE batch
(
batchid char(4) primary key,
bsdate date ,
bstrength number(3),
courseid char(4),
foreign key(courseid) references course(courseid)
);

✖ CREATE TABLE course
(
courseid char(4) primary key,
coursename varchar2(40),
coursecategory varchar2(20),
coursefees number(10,2),
courseduration number(3)
);

Your answer is partially correct.

The correct order for these items is as follows:

1. CREATE TABLE course

(
courseid char(4) primary key,

```
courses number(10,2),  
courseduration number(3)  
);  
2. CREATE TABLE student  
(  
    sid char(4) primary key,  
    sname varchar2(20),  
    sdob date,  
    scity varchar2(20),  
    squal varchar2(20),  
    semail varchar2(30),  
    sphone varchar2(20)  
);  
3. CREATE TABLE batch  
(  
    batchid char(4) primary key,  
    bsdate date ,  
    bstrength number(3),  
    courseid char(4),  
    foreign key(courseid) references course(courseid)  
);  
4. CREATE TABLE enrollment  
(  
    batchid char(4),  
    sid char(4) ,  
    edate date,  
    primary key(batchid,sid),  
    foreign key(sid) references student(sid),  
    foreign key(batchid) references batch(batchid)  
);
```

Question 3

Partially correct

Mark 0.80 out of 1.00

Choose the correct option

| | | |
|--|-------------|---|
| cardholdername | not null | ✓ |
| creditcardtype should be silver or platinum only | check | ✓ |
| cardholderphoneno | unique | ✓ |
| creditcardno | primary key | ✓ |
| validitydate | check | ✗ |

Your answer is partially correct.

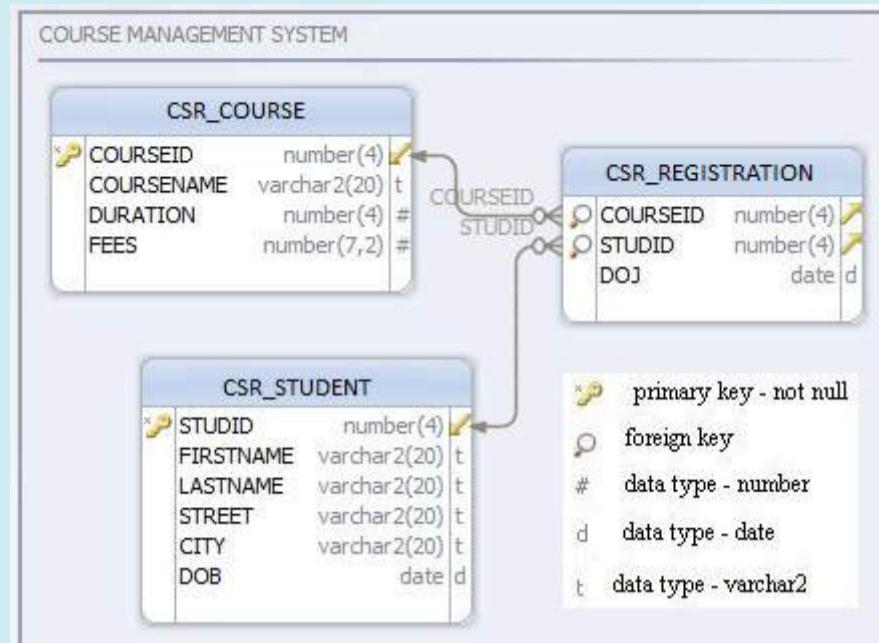
You have correctly selected 4.

The correct answer is: cardholdername → not null, creditcardtype should be silver or platinum only → check, cardholderphoneno → unique, creditcardno → primary key, validitydate → not null

Correct
Mark 2.00 out
of 2.00

Tom, the administrator should create the table "CSR_Registration" with the following rules

- Whenever a row in the CSR_Student table is deleted, the row from the CSR_Registration must be deleted
- When deleting the row from the CSR_course table link column of the CSR_registration must be made to null



Drag and drop the correct keyword for the below given query.

```
create table CSR_registration(courseid number(4) references CSR_course(courseid) on delete set null ✓ ,studid  
number(4) references CSR_student(studid) on delete cascade ✓ ,doj date);
```

Question 5

Correct
Mark 1.00 out
of 1.00

An emp table contains fields employ name, desig and salary. How do you drop column salary?

Select one:

- a. delete from emp where column = salary;
- b. alter table emp drop column salary; ✓
- c. alter table emp delete salary;
- d. alter table emp delete column salary;

The correct answer is: alter table emp drop column salary;

Question 6

Correct
Mark 1.00 out
of 1.00

Which of the following options is not correct?

Select one:

- a. alter table emp drop column_name; ✓
- b. alter table emp modify name varchar(30);
- c. alter table emp drop column column_name;
- d. alter table emp add column_name varchar(25);

The correct answer is: alter table emp drop column_name;



Correct

Mark 1.00 out
of 1.00

Select one:

- a. 4
- b. 1 ✓
- c. Any number
- d. 2

The correct answer is: 1

**Question
8**

Correct

Mark 1.00 out
of 1.00

How would you add a foreign key constraint on the dept_no column in the EMP table, referring to the id column in the DEPT table?

Select one:

- a. Use the ALTER TABLE command with the MODIFY clause on the DEPT table.
- b. Use the ALTER TABLE command with the ADD clause on the EMP table. ✓
- c. Use the ALTER TABLE command with the MODIFY clause on the EMP table.
- d. This task cannot be accomplished.
- e. Use the ALTER TABLE command with the MODIFY clause on the EMP table.

Your answer is correct.

The correct answer is: Use the ALTER TABLE command with the ADD clause on the EMP table.



Started on Saturday, 25 January 2020, 2:55 PM

State Finished

Completed on Saturday, 25 January 2020, 2:57 PM

Time taken 1 min 50 secs

Marks 4.00/5.00

Grade **80.00** out of 100.00

Feedback Congratulations!!! You have passed by securing more than 80%

Question 1

Incorrect

Mark 0.00 out of 1.00

Column header is referred as

Select one:

- a. Relation
- b. Table
- c. Tuples
- d. Attributes
- e. Domain

Your answer is incorrect.

The correct answer is: Attributes

Question 2

Correct

Mark 1.00 out of 1.00

A relational database consists of a collection of

Select one:

- a. Keys
- b. Tables
- c. Fields
- d. Records

Your answer is correct.

The correct answer is: Tables

Question 3

Correct

Mark 1.00 out of 1.00

In a relational database a referential integrity constraint can be done using

Select one:

- a. composite key
- b. foreign key
- c. primary key
- d. secondary key

Your answer is correct.

The correct answer is: foreign key



Correct

Mark 1.00 out
of 1.00

Select one:

- a. Insertion
- b. Updating
- c. Sorting ✓
- d. Deletion

Your answer is correct.

The correct answer is: Sorting

**Question
5**

Correct

Mark 1.00 out
of 1.00

____ is called as meta data.

Select one:

- a. Meta Dictionary
- b. Data Dictionary ✓
- c. Meta Information
- d. Data Information

Your answer is correct.

The correct answer is: Data Dictionary

Started on Sunday, 26 January 2020, 7:33 PM

State Finished

Completed on Sunday, 26 January 2020, 7:35 PM

Time taken 2 mins 5 secs

Marks 4.00/5.00

Grade **80.00** out of 100.00

Feedback Congratulations!!! You have passed by securing more than 80%

Question 1

Correct

Mark 1.00 out
of 1.00

Examine the structure of the STUDENT table:

| Column Name | DataType | Constraint |
|-------------|--------------|------------|
| Stud_id | Number(3) | PK |
| Name | Varchar2(20) | NotNull |
| Address | Varchar2(30) | |
| DOB | Date | |

Which statement inserts a new row into the STUDENT table?

Select one:

- a. INSERT INTO student VALUES (101,'100 Main Street','17-JUN-99','Smith');
- b. INSERT INTO student VALUES (101,'Smith');
- c. INSERT INTO student (stud_id, address, dob)
VALUES (101,'100 Main Street','17-JUN-99');
- d. INSERT INTO student (stud_id, address, name, dob)
VALUES (101,'100 Main Street','Smith','17-JUN-99');

Your answer is correct.

The correct answer is: `INSERT INTO student (stud_id, address, name, dob)
VALUES (101,'100 Main Street','Smith','17-JUN-99');`

Correct
Mark 1.00 out
of 1.00

| Column Name | Data type | Constraint |
|-------------|--------------|------------|
| Empname | Varchar2(20) | Not Null |
| Empld | Number(10) | PK |
| Phoneno | Number(10) | NotNull |

insert into employee(empid,empname)values('123','John');

When we issue the above insert command and if the statement fails,
what would be the reason.

Select one:

- a. Value for phoneno is missing. ✓
- b. empid value should be given without single quotes.
- c. The statement will get executed successfully
- d. The column order should not be changed.

Your answer is correct.

The correct answer is: Value for phoneno is missing.

Question 3

Incorrect
Mark 0.00 out
of 1.00

Which SQL statement needs both insert and update privilege on the target table and select privilege on the source table?

Select one:

- a. alter ✗
- b. delete
- c. merge
- d. update

The correct answer is: merge

Correct
Mark 1.00 out
of 1.00

| Column Name | Data type | Constraint |
|-------------|--------------|------------|
| Empname | Varchar2(20) | Not Null |
| Empld | Number(10) | PK |
| Phoneno | Number(10) | NotNull |
| DeptId | Number(10) | FK |

Data in the Department table:

| DeptId | Dname | Location |
|--------|-----------|----------|
| 1 | Sales | Mumbai |
| 2 | Marketing | Kolkata |

Which update statement produces the following error?

ORA-02291: integrity constraint (SYS_C23) violated - parent key not found

Select one:

- a. UPDATE Employee SET empid = NULL WHERE deptid=5;
- b. UPDATE Employee SET empid = NULL WHERE phoneno=9876543210;
- c. UPDATE Employee SET Deptid=3 WHERE Empid = 101; ✓
- d. UPDATE Employee SET Empid = 101 WHERE Deptid=3;

Your answer is correct.

The correct answer is: UPDATE Employee SET Deptid=3 WHERE Empid = 101;

Question 5

Correct
Mark 1.00 out
of 1.00

DELETE FROM dept WHERE dept_id = 901;

The above delete statement throws an integrity constraint error because a child record was found. What could we do to make the statement execute?

Select one:

- a. Delete the child records first. ✓
- b. Add the FORCE keyword to the command.
- c. You cannot make the command execute.
- d. Add the CONSTRAINTS CASCADE option to the command.

Your answer is correct.

The correct answer is: Delete the child records first.



Started on Sunday, 26 January 2020, 6:18 PM

State Finished

Completed on Sunday, 26 January 2020, 6:23 PM

Time taken 4 mins 38 secs

Marks 4.67/5.00

Grade 93.33 out of 100.00

Feedback Congratulations!!! You have passed by securing more than 80%

Question 1

Correct

Mark 1.00 out
of 1.00

Which CREATE TABLE statement is valid?

Select one:

- a. CREATE TABLE ord_details
(ord_no NUMBER(2),
item_no NUMBER(3),
ord_date DATE DEFAULT SYSDATE NOT NULL),
CONSTRAINT ord_pk PRIMARY KEY (ord_no,item_no)); ✓
- b. CREATE TABLE ord_details
(ord_no NUMBER(2) UNIQUE, NOT NULL,
item_no NUMBER(3),
ord_date DATE DEFAULT SYSDATE NOT NULL);
- c. CREATE TABLE ord_details
(ord_no NUMBER(2) PRIMARY KEY,
item_no NUMBER(3) PRIMARY KEY,
ord_date DATE NOT NULL);
- d. CREATE TABLE ord_details
(ord_no NUMBER(2),
item_no NUMBER(3),
ord_date DATE DEFAULT NOT NULL),
CONSTRAINT ord_uq UNIQUE (ord_no),
CONSTRAINT ord_pk PRIMARY KEY (ord_no));

Your answer is correct.

The correct answer is: CREATE TABLE ord_details
(ord_no NUMBER(2),
item_no NUMBER(3),
ord_date DATE DEFAULT SYSDATE NOT NULL),
CONSTRAINT ord_pk PRIMARY KEY (ord_no,item_no));

Correct

Mark 1.00 out
of 1.00

Select one:

- a. DELETE * FROM student
KEEP STRUCTURE;
- b. TRUNCATE TABLE student;
- c. TRUNCATE TABLE student
KEEP STRUCTURE;
- d. DROP TABLE student;

Your answer is correct.

The correct answer is: TRUNCATE TABLE student;

Question 3

Partially
correctMark 0.67 out
of 1.00

When we attempt to create the salary table with this command:

```
1.CREATE TABLE salary
2.(employee_id NUMBER(9)
3.CONSTRAINT salary_pk PRIMARY KEY,
4.1995_salaryNUMBER(8,2),
5.manager_name VARCHAR2(25)
6.CONSTRAINT mgr_name_nn NOT NULL,
7.$salary_96NUMBER(8,2));
```

Which two lines of this statement will return errors?

Select one or more:

- a. 3
- b. 4
- c. 5
- d. 1
- e. 7
- f. 2

Your answer is partially correct.

You have selected too many options.

The correct answers are: 7, 4

Correct

Mark 1.00 out
of 1.00

enabling the constraint?

Select one:

- a. This task cannot be accomplished.
- b. ALTER TABLE patient
ADD (id_number CONSTRAINT pat_id_pk PRIMARY KEY);
- c. ALTER TABLE patient
MODIFY (id_number CONSTRAINT pat_id_pk PRIMARY KEY);
- d. ALTER TABLE patient
ADD CONSTRAINT pat_id_pk PRIMARY KEY(id_number); ✓

Your answer is correct.

The correct answer is: ALTER TABLE patient
ADD CONSTRAINT pat_id_pk PRIMARY KEY(id_number);**Question
5**

Correct

Mark 1.00 out
of 1.00

The EMPLOYEES table has these columns:

LAST NAMEVARCHAR2(35)

SALARYNUMBER(8,2)

HIRE_DATEDATE

Management wants to add a default value to the SALARY column. You plan to alter the table by using this SQL statement:

ALTER TABLE EMPLOYEES

MODIFY (SALARY DEFAULT 5000);

What is true about your ALTER statement?

Select one:

- a. All the rows that have a NULL value for the SALARY column will be updated with the value 5000.
- b. A change to the DEFAULT value affects only subsequent insertions to the table. ✓
- c. Column definitions cannot be altered to add DEFAULT values.
- d. Column definitions cannot be altered at add DEFAULT values for columns with a NUMBER data type.

Your answer is correct.

The correct answer is: A change to the DEFAULT value affects only subsequent insertions to the table.

Started on Sunday, 26 January 2020, 7:45 PM

State Finished

Completed on Sunday, 26 January 2020, 7:46 PM

Time taken 1 min 25 secs

Marks 4.00/5.00

Grade **80.00** out of 100.00

Feedback Congratulations!!! You have passed by securing more than 80%

Question 1

Correct

Mark 1.00 out
of 1.00

select

✓ statement/command would not cause a transaction to end

commit

create

rollback

Your answer is correct.

The correct answer is:

[select] statement/command would not cause a transaction to end

Question 2

Correct

Mark 1.00 out
of 1.00

Match appropriately.

Truncate

Removes the entire data from the table, while the structure remains intact.

Drop

Removes the table itself from the database.

Delete

Removes all or only the rows specified from the table.

Your answer is correct.

The correct answer is: Truncate → Removes the entire data from the table, while the structure remains intact., Drop → Removes the table itself from the database., Delete → Removes all or only the rows specified from the table.

Question 3

Correct

Mark 1.00 out
of 1.00

It is possible to update more than one column with a single UPDATE statement. State true or false.

Select one:

True

False

The correct answer is 'True'.



Correct
Mark 1.00 out
of 1.00

Select one:
 True
 False ✓

The correct answer is 'False'.

Question 5

Incorrect
Mark 0.00 out
of 1.00

To change the structure of the table we use MODIFY TABLE ✘ Syntax.

Your answer is incorrect.

The correct answer is:

To change the structure of the table we use [ALTER TABLE] Syntax.

Started on: Wednesday, 29 January 2020, 10:36 PM
State: Finished
Completed on: Wednesday, 29 January 2020, 10:43 PM
Time taken: 6 mins 40 secs
Marks: 6.00/6.00
Grade: 100.00 out of 100.00
Feedback: Congratulations!!! You have passed by securing more than 80%

Quiz navigation



Show one page at a time

Finish review

Question 1

Correct

Mark 1.00
out of 1.00Flag
question

Which statement about SQL is true?

Select one:

- a. You cannot specify a column alias in an ORDER BY clause.
- b. Date values are displayed in descending order by default.
- c. You cannot sort query results by a column that is not included the SELECT list.
- d. The results are sorted by the first column in the SELECT list if the ORDER BY clause is not provided.
- e. Null values are displayed last in ascending sequences. ✓

The correct answer is: Null values are displayed last in ascending sequences.

Question 2

Correct

Mark 1.00
out of 1.00Flag
question

Select the suitable option for retrieving all the employees whose salary range is between 40000 and 100000?

Select one or more:

- a. select name,salary from employee where salary has between 40000 and 100000;
- b. select name,salary from employee where salary is between 40000 and 100000;
- c. select name,salary from employee where salary between 40000 100000;
- d. select name,salary from employee where salary between 40000 and 100000; ✓
- e. select name,salary from employee where salary>=40000 and salary<=100000; ✓

The correct answers are: select name,salary from employee where salary between 40000 and 100000; select name,salary from employee where salary>=40000 and salary<=100000.

Answers

**Question
3**

Correct

Mark 1.00
out of 1.00 Flag
question

Select the suitable option for retrieving all the employees whose last name is 'Kumar'?

Select one:

- a. select * from employee where empname like '%kumar';
- b. select * from employee where empname like '%kumar%';
- c. select * from employee where empname like 'kumar';
- d. select * from employee where empname like 'kumar%';

The correct answer is: select * from employee where empname like '%kumar';

**Question
4**

Correct

Mark 1.00
out of 1.00 Flag
question

Select the suitable option for retrieving all the employees who have a manager?

Select one:

- a. select empname, manager_id from employee where manager_id is NULL VALUE;
- b. select empname, manager_id from employee where manager_id is NULL;
- c. select empname, manager_id from employee where manager_id NULL;
- d. select empname, manager_id from employee where manager_id is NOT NULL; ✓

The correct answer is: select empname, manager_id from employee where manager_id is NOT NULL;

**Question
5**

Correct

Mark 1.00
out of 1.00 Flag
question

How to retrieve department_id column without any duplication from employee relation?

Select one:

- a. select unique department_id from employee;
- b. select department_id distinct from employee;
- c. select department_id from employee;
- d. select distinct department_id from employee; ✓

The correct answer is: select distinct department_id from employee;

**Question
6**

Correct

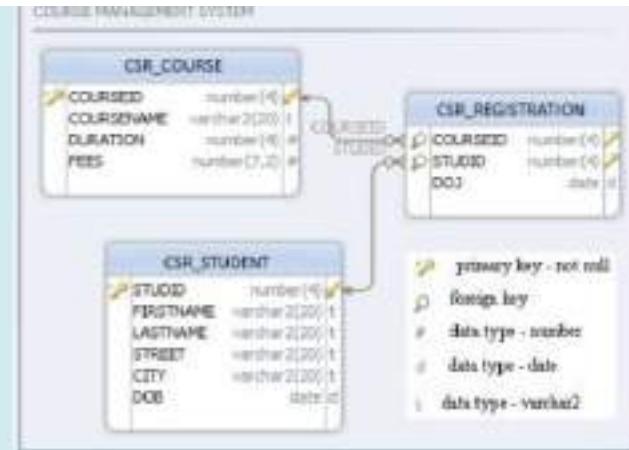
Mark 1.00

Select the missing keyword, to complete the select query for the given scenario

out of 1.00

Flag

question



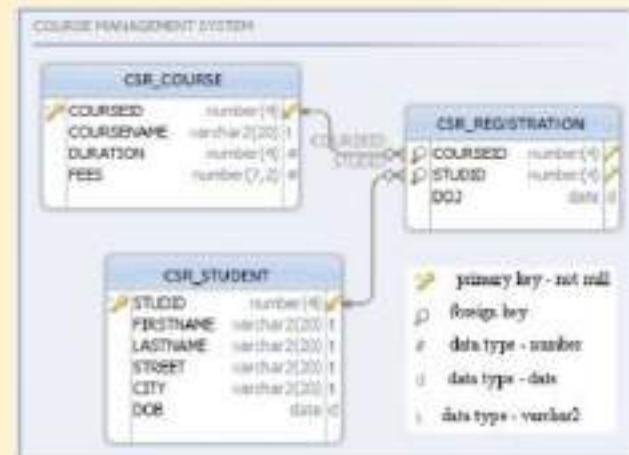
select the student details whose firstname starts with 'A' or whose city is 'Chennai' and firstname ends with 'n'

select * from CSR_STUDENT where firstname like 'A%' OR city = 'Chennai' AND firstname like '%n';

Your answer is correct.

The correct answer is:

Select the missing keyword, to complete the select query for the given scenario



select the student details whose firstname starts with 'A' or whose city is 'Chennai' and firstname ends with 'n'

select * from CSR_STUDENT where firstname like 'A%' [OR] city = 'Chennai' [AND] firstname like '%n';

[Finish review](#)



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Started on: Monday, 27 January 2020, 3:39 PM

State: Finished

Completed on: Monday, 27 January 2020, 3:41 PM

Time taken: 1 min 34 secs

Marks: 4.00/4.00

Grade: 100.00 out of 100.00

Feedback: Congratulations!!! You have passed by securing more than 80%

Quiz navigation



Finish review

Question

1

Correct

Mark 1.00
out of 1.00

Flag
question

Which statements are true regarding constraints?

Select one or more:

- a. A constraint is enforced only for the INSERT operation on a table.
- b. A foreign key cannot contain NULL values.
- c. A column with the UNIQUE constraint can contain NULL values. ✓
- d. A constraint can be disabled even if the constraint column contains data. ✓

Your answer is correct.

The correct answers are: A constraint can be disabled even if the constraint column contains data., A column with the UNIQUE constraint can contain NULL values.

Question

2

Correct

Mark 1.00
out of 1.00

Flag
question

Which statement is true when a DROP TABLE command is executed on a table?

Select one:

- a. Only a DBA can execute the DROP TABLE command.
- b. The table structure and its deleted data cannot be rolled back and restored once the DROP TABLE command is executed. ✓
- c. The structure of the table remains in the database, and the data and indexes are deleted.
- d. The DROP TABLE command can be executed on a table on which there are pending transactions.
- e. Any pending transactions on the table are rolled back.

Your answer is correct.

The correct answer is: The table structure and its deleted data cannot be rolled back and restored once the DROP TABLE command is executed.

Question

3

Correct

Mark 1.00
out of 1.00

Flag
question

You need to remove all the data from the employee table while leaving the table definition intact.

You want to be able to undo this operation. How would you accomplish this task?

Select one:

- a. DELETE FROM employee; ✓
- b. DROP TABLE employee;
- c. TRUNCATE TABLE employee;
- d. This task cannot be accomplished.

Your answer is correct.

The correct answer is: DELETE FROM employee;

Question

4

Correct

Mark 1.00
out of 1.00

Flag
question

The SQL statements executed in a user session as follows:

```
create table product(pid number(10),pname varchar(10));
Insert into product values(1,'pendrive');
Insert into product values(2,'harddisk');
savepoint a;
update product set pid=20 where pid=1;
savepoint b;
delete from product where pid=2;
commit;
delete from product where pid=10;
```

Which statement(s) describe the consequence of issuing the ROLLBACK TO SAVE POINT a command in the session?

Select one or more:

- a. The rollback generates an error. ✓
- b. Only the DELETE statements are rolled back.
- c. Both the DELETE statements and the UPDATE statement are rolled back.
- d. No SQL statements are rolled back. ✓
- e. Only the second's DELETE statement is rolled back.

Your answer is correct.

The correct answers are: No SQL statements are rolled back.; The rollback generates an error.



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Started on Thursday, 27 February 2020, 8:54 PM

State Finished

Completed on Thursday, 27 February 2020, 8:56 PM

Time taken 1 min 41 secs

Marks 5.00/5.00

Grade 100.00 out of 100.00

Feedback Congratulations!!! You have passed by securing more than 80%

Quiz navigation



Show one page at a time

Finish review

Question

1

Correct

Mark 1.00
out of 1.00Flag
question

| Table PROMOTIONS | | |
|----------------------|----------|--------------|
| Name | Null? | Type |
| PROMO_ID | NOT NULL | NUMBER(6) |
| PROMO_NAME | NOT NULL | VARCHAR2(30) |
| PROMO_SUBCATEGORY | NOT NULL | VARCHAR2(30) |
| PROMO_SUBCATEGORY_ID | NOT NULL | NUMBER |
| PROMO_CATEGORY | NOT NULL | VARCHAR2(30) |
| PROMO_CATEGORY_ID | NOT NULL | NUMBER |
| PROMO_COST | NOT NULL | NUMBER(10,2) |
| PROMO_BEGIN_DATE | NOT NULL | DATE |
| PROMO_END_DATE | NOT NULL | DATE |

View the Exhibit and examine the structure of the PROMOTIONS table. You need to generate a report of all promos from the PROMOTIONS table based on the following conditions:

1. The promo name should not begin with 'T' or 'N'.
2. The promo should cost more than \$20000.
3. The promo should have ended after 1st January 2001.

Rearrange the WHERE clause to obtain the required result?

✓ WHERE promo_name

✓ (NOT LIKE 'T%' OR

✓ NOT LIKE 'N%')

✓ AND promo_cost > 20000 AND promo_end_date >

✓ '1-JAN-01'

Your answer is correct.

Question 2

Correct

Mark 1.00
out of 1.00

Flag
question

Observe this table:

CUSTOMERS

| CUST_NO | CUST_NAME | CUST_CITY | CUST_CREDIT_LIMIT |
|---------|-----------|-----------|-------------------|
| 101 | KING | NEW YORK | 100000 |
| 101 | GREEN | BOSTON | 150000 |
| 103 | SCOTT | LONDON | |
| 104 | SMITH | BOSTON | |

```
SQL> SELECT cust_name AS "NAME", cust_credit_limit/2 AS MIDPOINT,  
          MIDPOINT+100 AS "MAX LOWER LIMIT"  
FROM customers;
```

The above query produces an error on execution. What is the reason for the error?

Select one:

- a. The MIDPOINT +100 expression gives an error because CUST_CREDIT_LIMIT contains NULL values
- b. The alias NAME should not be enclosed within double quotation marks
- c. The alias MIDPOINT should be enclosed within double quotation marks for the CUST_CREDIT_LIMIT/2 expression
- d. An alias cannot be used in an expression ✓

Your answer is correct.

The correct answer is: An alias cannot be used in an expression

Question 3

Correct

Mark 1.00
out of 1.00

Flag
question

The SELECT statement is used to describe the table and the table data from a database. State true or false.

Select one:

- True
- False ✓

The correct answer is 'False'.

Question 4

Correct

Mark 1.00
out of 1.00

Flag
question

- ✓ should be used if you want to select all the fields available in the table.
- ALL ✓

Your answer is correct.

The correct answer is:

[✓] should be used if you want to select all the fields available in the table.

Question 5

Correct

Mark 1.00
out of 1.00

Flag
question

Which of the following are the correct syntaxes for displaying the StudentName and Department from Student table?

Select one or more:

- a. select studentname, department FROM STUDENT; ✓
- b. SELECT STUDENTNAME, DEPARTMENT FROM Student; ✓
- c. select studentname, department FROM Student; ✓
- d. SELECT StudentName, Department FRoM Student; ✓

Your answer is correct.

The correct answers are: SELECT STUDENTNAME, DEPARTMENT FROM Student;, select studentname, department FROM Student;, SELECT StudentName, Department FROM Student;, select studentname, department FROM STUDENT;

Finish review





Started on Monday, 30 March 2020, 8:59 AM

State Finished

Completed on Monday, 30 March 2020, 9:06 AM

Time taken 6 mins 14 secs

Marks 9.00/10.00

Grade 90.00 out of 100.00

Feedback Congratulations!!! You have passed by securing more than 80%

Question 1

Correct

Mark 1.00 out of 1.00

Group functions can be used in the where clause. State True or False.

Select one:

- a. FALSE ✓
- b. TRUE

The correct answer is: FALSE

Question 2

Correct

Mark 1.00 out of 1.00

Evaluate these two SQL statements:

```
1. SELECT CONCAT(first_name, last_name),
LENGTH(CONCAT(first_name, last_name))
FROM employee
WHERE UPPER(last_name) LIKE '%J'
ORUPPER(last_name) LIKE '%K'
ORUPPER(last_name) LIKE '%L';

2. SELECT INITCAP(first_name) || INITCAP(last_name),
LENGTH(last_name) + LENGTH(first_name)
FROM employee
WHERE INITCAP(SUBSTR(last_name, 1, 1)) IN ('J', 'K', 'L');
```

How will the results differ?

Select one:

- a. The statements will retrieve the same data from the database, but will display it differently.
- b. The statements will retrieve different data from the database. ✓
- c. Statement 1 will execute, but statement 2 will not.
- d. Statement 2 will execute, but statement 1 will not.

The correct answer is: The statements will retrieve different data from the database.



Incorrect
Mark 0.00 out of 1.00

order has not been shipped, your report must display 'Not Shipped'. If the total is not available, your report must display 'Not Available'.

In the ORDER table, the SHIPDATE column has a datatype of DATE. The TOTAL column has a datatype of INT.

Which statement do you use to create this report?

Select one:

- a. SELECT ordid, IFNULL(shipdate, 'Not Shipped') SHIPDATE, IFNULL(total,'Not Available')TOTAL FROM order;
- b. SELECT ordid,TO_CHAR(shipdate, 'Not Shipped'), TO_CHAR(total,'Not Available') FROM order; X
- c. SELECT ordid, IFNULL(shipdate, 'Not Shipped") as SHIPDATE,Total FROM order;
- d. SELECT ordid, shipdate "Not Shipped", total "Not Available" FROM order;

The correct answer is: SELECT ordid, IFNULL(shipdate, 'Not Shipped') SHIPDATE, IFNULL(total,'Not Available')TOTAL FROM order;

Question 4

Correct
Mark 1.00 out of 1.00

```
SELECT lot_no "Lot Number", COUNT(*) "Number of Cars Available"
FROM cars
WHERE model = 'Fire'
GROUP BY lot_no
HAVING COUNT(*) > 10
ORDER BY COUNT(*);
```

In the above statement which clause restricts which groups are displayed?

Select one:

- a. HAVING COUNT(*) > 10 ✓
- b. WHERE model = 'Fire'
- c. GROUP BY lot_no
- d. SELECT lot_no "Lot Number", COUNT(*) "Number of Cars Available"
- e. ORDER BY COUNT(*)

The correct answer is: HAVING COUNT(*) > 10

Question 5

Correct
Mark 1.00 out of 1.00

Single row functions can be nested to any level. State true or False.

Select one:

- a. TRUE ✓
- b. FALSE

The correct answer is: TRUE

Correct
Mark 1.00 out of 1.00

placed. To do this, you must create a report that displays the customer number, date ordered, date shipped, and the number of months in whole numbers from the time the order is placed to the time the order is shipped. Which statement produces the required results?

Select one:

- a. SELECT custid, orderdate, shipdate,
ROUND(MONTHS_BETWEEN (shipdate, orderdate))
"Time Taken" FROM ORD; ✓
- b. SELECT custid, orderdate, shipdate,
ROUND(DAYS_BETWEEN (shipdate, orderdate))/ 30) "Time Taken"
FROM ord;
- c. SELECT custid, orderdate, shipdate,
MONTHS_BETWEEN (shipdate, orderdate)"Time Taken"
FROM ord;
- d. SELECT custid, orderdate, shipdate,
ROUNDOFF(shipdate - orderdate) "Time Taken"
FROM ord;

The correct answer is: SELECT custid, orderdate, shipdate,
ROUND(MONTHS_BETWEEN (shipdate, orderdate))
"Time Taken" FROM ORD;

Question 7

Correct
Mark 1.00 out of 1.00

Select the suitable option for displaying the average commission percentage of all employees, where the commission percentage column of certain employees include NULL value.

Select one:

- a. select AVG(NVL(0,commission_pct)) from emp;
- b. select AVG(NVL(commission_pct)) from emp;
- c. select AVG(commission_pct) from emp;
- d. select AVG(NVL(commission_pct,0)) from emp; ✓

The correct answer is: select AVG(NVL(commission_pct,0)) from emp;

Correct
Mark 1.00 out of 1.00

ID IN NUMBER(1,1)
COST NUMBER(7,2)
PRODUCT_ID NUMBER(7)

Evaluate these two SQL statements:

```
1.SELECT ROUND(MAX(cost),2),
ROUND(MIN(cost),2),ROUND(SUM(cost),2),
ROUND(AVG(cost),2)
FROM part;
```

```
2.SELECT product_id, ROUND(MAX(cost),2),
ROUND(MIN(cost),2),ROUND(SUM(cost),2),
ROUND(AVG(cost),2)
FROM part
GROUP BY product_id;
```

How will the results differ?

Select one:

- a. One of the statements will generate an error.
- b. The results will be the same, but the display will differ.
- c. Statement 1 will display a result for each part; statement 2 will display a result for each product.
- d. Statement 1 will only display one row of results; statement 2 could display more than one. ✓

The correct answer is: Statement 1 will only display one row of results; statement 2 could display more than one.

Question 9

Correct
Mark 1.00 out of 1.00

We need to analyze how long your orders take to be shipped from the date that the order is placed. To do this, you must create a report that displays the customer number, date ordered, date shipped, and the number of months in whole numbers from the time the order is placed to the time the order is shipped. Which statement produces the required results?

Select one:

- a. SELECT custid, orderdate, shipdate,
 ROUND(shipdate - orderdate) "Time Taken"
 FROM ord;
- b. SELECT custid, orderdate, shipdate,
 MONTHS_BETWEEN (shipdate, orderdate)"Time Taken"
 FROM ord;
- c. SELECT custid, orderdate, shipdate,
 ROUND(MONTHS_BETWEEN (shipdate, orderdate))
 "Time Taken" ✓
- d. SELECT custid, orderdate, shipdate,
 ROUND(DAYS_BETWEEN (shipdate, orderdate))/ 30 "Time Taken"
 FROM ord;

The correct answer is: SELECT custid, orderdate, shipdate,
 ROUND(MONTHS_BETWEEN (shipdate, orderdate))
 "Time Taken"



Correct

Mark 1.00 out of
1.00

Select one:

- a. TRUE ✓
- b. FALSE

The correct answer is: TRUE





Started on Saturday, 21 March 2020, 7:44 PM

State Finished

Completed on Saturday, 21 March 2020, 7:59 PM

Time taken 15 mins 25 secs

Marks 10.00/10.00

Grade 100.00 out of 100.00

Feedback Congratulations!!! You have passed by securing more than 80%

Question 1

Correct

Mark 1.00 out of 1.00

To display the names of employees that are not assigned to a department.

Evaluate this SQL statement:

```
SELECT last_name, first_name  
FROM employee  
WHERE dept_id = NULL;
```

Which change should you make to achieve the desired result?

Select one:

- a. Add a second condition to the WHERE condition.
- b. Create an outer join.
- c. Change the column in the WHERE condition.
- d. Change the operator in the WHERE condition. ✓

The correct answer is: Change the operator in the WHERE condition.

Question 2

Correct

Mark 1.00 out of 1.00

Generate a list of all customer last names with their credit limits from the CUSTOMERS table. Customers who do not have a credit limit should appear last in the list. kindly note that customers who do not have credit card will have NULL against credit limit.

Which query would achieve the required result?

Select one:

- a. `SELECT cust_last_name,cust_credit_limit
FROM customers;`
- b. `SELECT cust_last_name,cust_credit_limit
FROM customers
ORDER BY cust_credit_limit; ✓`
- c. `SELECT cust_last_name,cust_credit_limit
FROM customers
ORDER BY cust_credit_limit DESC;`
- d. `SELECT cust_last_name,cust_credit_limit
FROM customers
ORDER BY cust_last_name,cust_credit_limit NULLS LAST;`

The correct answer is: `SELECT cust_last_name,cust_credit_limit
FROM customers
ORDER BY cust_credit_limit;`

Correct
Mark 1.00 out of
1.00

Dates are stored in the default format of dd-mm-rr.

Which SQL statements would give the required output?

Select one or more:

- a. SELECT SYSDATE - '01-JAN-2007' FROM DUAL ;
- b. SELECT TO_DATE(SYSDATE,DD/MONTH/YYYY) - '01/JANUARY/2007' FROM DUAL;
- c. SELECT TO_CHAR(SYSDATE,DD-MON-YYYY) - '01-JAN-2007' FROM DUAL;
- d. SELECT SYSDATE - TO_DATE('01/JANUARY/2007') FROM DUAL; ✓
- e. SELECT SYSDATE - TO_DATE('01-JANUARY-2007') FROM DUAL; ✓

The correct answers are: SELECT SYSDATE - TO_DATE('01/JANUARY/2007') FROM DUAL;, SELECT SYSDATE - TO_DATE('01-JANUARY-2007') FROM DUAL;

Question 4

Correct
Mark 1.00 out of
1.00

ABC company wants to give each employee a \$100 salary increment. You need to evaluate the results from the EMP table prior to the actual modification. If you do not want to store the results in the database, which statement is valid?

Select one:

- a. You need to give the arithmetic expression that involves the salary increment in the DISPLAY clause of the SELECT statement. ✓
- b. You need to add a column to the EMP table.
- c. You need to give the arithmetic expression that involves the salary increment in the UPDATE clause of the SELECT statement.
- d. You need to give the arithmetic expression that involves the salary increment in the SET clause of the UPDATE statement.

The correct answer is: You need to give the arithmetic expression that involves the salary increment in the DISPLAY clause of the SELECT statement.

Correct
Mark 1.00 out of 1.00

I, 2001 Starting with the latest promo.

Which query would give the required result? (Choose all that apply.)

Select one or more:

- a. SELECT promo_name,promo_begin_date "START DATE"
FROM promotions
WHERE promo_begin_date > '01-JAN-01'
ORDER BY "START DATE" DESC; ✓
- b. SELECT promo_name,promo_begin_date
FROM promotions
WHERE promo_begin_date > '01-JAN-01'
ORDER BY 1 DESC;
- c. SELECT promo_name,promo_begin_date
FROM promotions
WHERE promo_begin_date > '01-JAN-01'
ORDER BY promo_name DESC;
- d. SELECT promo_name,promo_begin_date
FROM promotions
WHERE promo_begin_date > '01-JAN-01'
ORDER BY 2 DESC; ✓

The correct answers are: SELECT promo_name,promo_begin_date "START DATE"
FROM promotions
WHERE promo_begin_date > '01-JAN-01'
ORDER BY "START DATE" DESC;, SELECT promo_name,promo_begin_date
FROM promotions
WHERE promo_begin_date > '01-JAN-01'
ORDER BY 2 DESC;

Question 6

Correct
Mark 1.00 out of 1.00

Which statement is true regarding the default behavior of the ORDER BY clause?

Select one:

- a. Numeric values are displayed from the maximum to the minimum value if they have decimal positions
- b. Only those columns that are specified in the SELECT list can be used in the ORDER BY clause
- c. In a character sort, the values are case-sensitive ✓
- d. NULL values are not considered at all by the sort operation

The correct answer is: In a character sort, the values are case-sensitive

Question 7

Correct
Mark 1.00 out of 1.00

Select the suitable option for fetching the output of the following query. select substr("Oracle World",1,6) from dual;

Select one:

- a. racle W
- b. racle Wo
- c. racle
- d. Oracle ✓

The correct answer is: Oracle



Correct

Mark 1.00 out of
1.00

CUST_INCOME_LEVEL has NULL in the CUSTOMERS table. Which SQL statement will accomplish the task?

Select one:

- a. UPDATE customers
SET cust_credit_limit = TO_NUMBER('9999)
WHERE cust_income_level IS NULL;
- b. UPDATE customers
SET cust_credit_limit = TO_NUMBER(NULL)
WHERE cust_income_level = TO_NUMBER(NULL);
- c. UPDATE customers
SET cust_credit_limit = NULL
WHERE cust_income_level IS NULL; ✓
- d. UPDATE customers
SET cust_credit_limit = NULL
WHERE cust_income_level = NULL;

The correct answer is: UPDATE customers
SET cust_credit_limit = NULL
WHERE cust_income_level IS NULL;

Question 9

Correct

Mark 1.00 out of
1.00

The CUSTOMERS table has these columns:

CUSTOMER_ID NUMBER(4) NOT NULL

CUSTOMER_NAME VARCHAR2(100) NOT NULL

CUSTOMER_ADDRESS VARCHAR2(150)

CUSTOMER_PHONE VARCHAR2(20)

You need to produce output that states "Dear Customer customer_name, ".

The customer_name data values come from the CUSTOMER_NAME column in the CUSTOMERS table.

Which statement produces this output?

Select one:

- a. SELECT 'Dear Customer ' || customer_name || ',' || FROM customers;
- b. SELECT "Dear Customer", customer_name || ',' FROM customers;
- c. SELECT 'Dear Customer ' || customer_name || ',' FROM customers; ✓
- d. SELECT dear customer, customer_name, FROM customers;
- e. SELECT 'Dear Customer ' || customer_name || ' FROM customers;

The correct answer is: SELECT 'Dear Customer ' || customer_name || ',' FROM customers;

 CorrectMark 1.00 out of
1.00

Which SQL statement would produce the required result?

Select one:

- a. SELECT NVL(TO_CHAR(cust_credit_limit*.15),'Not Available') "NEW CREDIT"
FROM customers; ✓
- b. SELECT NVL(cust_credit_limit,'Not Available')*.15 "NEW CREDIT"
FROM customers;
- c. SELECT NVL(cust_credit_limit*.15,'Not Available')"NEW CREDIT"
FROM customers;
- d. SELECT TO_CHAR(NVL(cust_credit_limit*.15,'Not Available')) "NEW CREDIT"
FROM customers;

The correct answer is: SELECT NVL(TO_CHAR(cust_credit_limit*.15),'Not Available') "NEW CREDIT"
FROM customers;



Started on Thursday, 26 March 2020, 9:05 PM

State Finished

Completed on Thursday, 26 March 2020, 9:08 PM

Time taken 3 mins 1 sec

Marks 5.00/5.00

Grade 100.00 out of 100.00

Feedback Congratulations!!! You have passed by securing more than 80%

Question 1

Correct

Mark 1.00 out of 1.00

Rearrange and display the correct order of execution of a query.

✓ from

✓ where

✓ group by

✓ having

✓ select

✓ order by

Your answer is correct.

Question 2

Correct

Mark 1.00 out of 1.00

Single row function accepts only a single argument. State true or false.

Select one:

True

False ✓

The correct answer is 'False'.

Question 3

Correct

Mark 1.00 out of 1.00

You need to generate a report that displays the IDs of all products in the COSTS table whose unit price is at least 25% more than the unit cost. The details should be displayed in the descending order of 25% of the unit cost. You issue the following query:

✓ SELECT prod_id

✓ FROM costs

✓ WHERE unit_price >= unit_cost*1.25

✓ ORDER BY unit_cost*0.25 DESC;

Your answer is correct.

Correct

Mark 1.00 out of
1.00

YOU NEW YORK. WHICH SQL STATEMENT WOULD PRODUCE THE REQUIRED RESULT?

| Table: CUSTOMERS | | |
|---------------------|----------|---------------|
| Name | Null? | Type |
| CUST_ID | NOT NULL | NUMBER |
| CUST_FIRST_NAME | NOT NULL | VARCHAR2 (20) |
| CUST_LAST_NAME | NOT NULL | VARCHAR2 (40) |
| CUST_GENDER | NOT NULL | CHAR (1) |
| CUST_YEAR_OF_BIRTH | NOT NULL | NUMBER (4) |
| CUST_MARITAL_STATUS | NOT NULL | VARCHAR2 (20) |
| CUST_STREET_ADDRESS | NOT NULL | VARCHAR2 (40) |
| CUST_POSTAL_CODE | NOT NULL | VARCHAR2 (10) |
| CUST_CITY | NOT NULL | VARCHAR2 (30) |
| CUST_STATE_PROVINCE | NOT NULL | VARCHAR2 (40) |
| COUNTRY_ID | NOT NULL | NUMBER |
| CUST_INCOME_LEVEL | | VARCHAR2 (20) |
| CUST_CREDIT_LIMIT | | NUMBER |
| CUST_EMAIL | | VARCHAR2 (30) |

Select one:

- a. SELECT cust_city,AVG(NVL(cust_credit_limit,0)) FROM customers WHERE cust_city IN ('WASHINGTON','NEW YORK')
- b. SELECT cust_city,AVG(cust_credit_limit) FROM customers WHERE cust_city IN ('WASHINGTON','NEW YORK') GROUP BY cust_city,cust_credit_limit;
- c. SELECT cust_city,AVG(cust_credit_limit) FROM customers WHERE cust_city IN ('WASHINGTON','NEW YORK') GROUP BY cust_credit_limit,cust_city;
- d. SELECT cust_city,AVG(cust_credit_limit) FROM customers WHERE cust_city IN ('WASHINGTON','NEW YORK') GROUP BY cust_city; ✓

Your answer is correct.

The correct answer is: SELECT cust_city,AVG(cust_credit_limit) FROM customers WHERE cust_city IN ('WASHINGTON','NEW YORK') GROUP BY cust_city;

Question 5

Correct

Mark 1.00 out of
1.00

ORDER BY must be the [last] clause in the SELECT statement. You [can] specify any combination of numeric positions and column names in the order by clause.

first

cannot

Your answer is correct.

The correct answer is:

ORDER BY must be the [last] clause in the SELECT statement. You [can] specify any combination of numeric positions and column names in the order by clause.



Started on Monday, 16 March 2020, 4:46 PM

State Finished

Completed on Monday, 16 March 2020, 4:50 PM

Time taken 4 mins 6 secs

Marks 9.50/10.00

Grade **95.00** out of 100.00

Feedback Congratulations!!! You have passed by securing more than 80%

Question 1

Correct

Mark 1.00 out
of 1.00

In which two cases would you use the USING clause? (Choose two)

Select one or more:

- a. You want to create a nonequijoin.
- b. The tables to be joined have columns with the same name and compatible data types. ✓
- c. The tables to be joined have columns of the same name and different data types. ✓
- d. The tables to be joined have multiple NULL columns.

Your answer is correct.

The correct answers are: The tables to be joined have columns of the same name and different data types., The tables to be joined have columns with the same name and compatible data types.

Question 2

Correct

Mark 1.00 out
of 1.00

Which SELECT statement displays all the employees who do not have any subordinates?

Select one:

- a.

```
SELECT e.ename
FROM emp e
WHERE e.mgr IS NOT NULL;
```
- b.

```
SELECT e.ename
FROM emp e
WHERE e.empno NOT IN (SELECT m.mgr
FROM emp m
WHERE m.mgr IS NOT NULL);
```

 ✓
- c.

```
SELECT e.ename
FROM emp e
WHERE e.empno IN (SELECT m.mgr
FROM emp m);
```
- d.

```
SELECT e.ename
FROM emp e
WHERE e.empno NOT IN (SELECT m.mgr
FROM emp m);
```

Your answer is correct.

The correct answer is:

```
SELECT e.ename
FROM emp e
WHERE e.empno NOT IN (SELECT m.mgr
FROM emp m
WHERE m.mgr IS NOT NULL);
```

Correct
Mark 1.00 out of 1.00

```
WHERE salary IN
(SELECT salary
FROM employee
WHERE dept_no = 3 OR dept_no = 5);
Which values are displayed?
```

Select one:

- a. last name and first name of all employees except those working in department 3 or 5
- b. last name and first name of only the employees whose salary falls in the range of salaries from department 3 or 5
- c. last name and first name of only the employees in department number 3 or 5
- d. last name and first name of all employees with the same salary as employees in department 3 or 5 ✓

Your answer is correct.

The correct answer is: last name and first name of all employees with the same salary as employees in department 3 or 5

Question 4

Correct
Mark 1.00 out of 1.00

Consider the below tables:

Employee Table

| Column Name | DataType | Constraint |
|-------------|--------------|------------|
| Name | Varchar2(20) | |
| Empno | Number(10) | PK |
| salary | Number(10,2) | |

Tax Table

| Column Name | DataType | Constraint |
|-------------|--------------|------------|
| Taxgrade | Number | |
| Lowsal | Number(10) | |
| highsal | Number(10,2) | |

We want to create a report that displays the employee details along with the tax category of each employee. The tax category is determined by comparing the salary of the employee from the EMP table to the lower and upper salary values in the TAX table.

Which SELECT statement produces the required results?

Select one:

- a.

```
SELECT e.name, e.salary, t.taxgrade
FROM emp e, tax t
WHERE e.salary IN t.lowsal AND t.highsal;
```
- b.

```
SELECT e.name, e.salary, t.taxgrade
FROM emp e, tax t
WHERE e.salary BETWEEN t.lowsal AND t.highsal; ✓
```
- c.

```
SELECT e.name, e.salary, t.taxgrade
FROM emp e, tax t
WHERE e.salary <= t.lowsal AND e.salary >= t.highsal;
```
- d.

```
SELECT e.name, e.salary, t.taxgrade
FROM emp e, tax t
WHERE e.salary >= t.lowsal AND <= t.highsal;
```

Your answer is correct.

The correct answer is:

```
SELECT e.name, e.salary, t.taxgrade
FROM emp e, tax t
WHERE e.salary BETWEEN t.lowsal AND t.highsal;
```

Correct
Mark 1.00 out
of 1.00

```
FROM employee
WHERE commission =
(SELECTcommission
FROMemployee
WHEREUPPER(first_name) = 'SCOTT')
```

What would cause this statement to fail?

Select one:

- a. The FIRST_NAME values in the database are in lowercase.
- b. There is more than one employee with the first name Scott. ✓
- c. Scott has a NULL commission value.
- d. There is no employee with the first name Scott.
- e. Scott has a zero commission value.

Your answer is correct.

The correct answer is: There is more than one employee with the first name Scott.

Question 6

Correct
Mark 1.00 out
of 1.00

To display the names of employees who earns more than the average salary of all employees.

```
SELECT last_name, first_name
FROMemployee
WHEREsalary > AVG(salary);
```

Which change should you make to achieve the desired results?

Select one:

- a. Change the function in the WHERE clause.
- b. Move the function to the SELECT clause and add a GROUP BY clause and a HAVING clause.
- c. Use a subquery in the WHERE clause to compare the average salary value. ✓
- d. Move the function to the SELECT clause and add a GROUP BY clause.

Your answer is correct.

The correct answer is: Use a subquery in the WHERE clause to compare the average salary value.

Question 7

Correct
Mark 1.00 out
of 1.00

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

Select one:

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

Your answer is correct.

The correct answer is: equal operator

Partially
correct
Mark 0.50 out
of 1.00

Product Table

| Column Name | DataType | Constraint |
|-------------|--------------|------------|
| prod_name | Varchar2(20) | |
| prod_id | Number(10) | PK |

Customer Table

| Column Name | DataType | Constraint |
|----------------|--------------|------------|
| cust_last_name | Varchar2(20) | |
| cust_id | Number(10) | PK |
| cust_city | Varchar2(20) | |

Sales Table

| Column Name | DataType | Constraint |
|---------------|--------------|------------|
| prod_id | Number(10) | FK |
| cust_id | Number(10) | FK |
| quantity_sold | Number(10,2) | |

Generate a report that gives details of the customer's last name, name of the product and the quantity sold for all customers in 'Tokyo'.

Which two queries give the required result? (Choose two.)

Select one or more:

- a.

```
SELECT c.cust_last_name,p.prod_name,s.quantity_sold
FROM products p JOIN sales s
ON(p.prod_id=s.prod_id)
JOIN customers c
ON(s.cust_id=c.cust_id)
WHERE c.cust_city='Tokyo';
```
- b.

```
SELECT c.cust_last_name,p.prod_name,s.quantity_sold
FROM products p JOIN sales s JOIN customers c
ON(p.prod_id=s.prod_id)
ON(s.cust_id=c.cust_id)
WHERE c.cust_city='Tokyo';
```
- c.

```
SELECT c.cust_last_name,p.prod_name,s.quantity_sold
FROM products p JOIN sales s
USING (prod_id)
ON(p.prod_id=s.prod_id)
JOIN customers c
USING(cust_id)
WHERE c.cust_city='Tokyo';
```
- d.

```
SELECT c.cust_last_name,p.prod_name,s.quantity_sold
FROM sales s JOIN products p
USING (prod_id)
JOIN customers c
USING (cust_id)
WHERE c.cust_city='Tokyo'; ✓
```

Your answer is partially correct.

You have correctly selected 1.

The correct answers are:

```
SELECT c.cust_last_name,p.prod_name,s.quantity_sold
FROM sales s JOIN products p
USING (prod_id)
JOIN customers c
USING (cust_id)
WHERE c.cust_city='Tokyo';
```

,

```
SELECT c.cust_last_name,p.prod_name,s.quantity_sold
FROM products p JOIN sales s
ON(p.prod_id=s.prod_id)
JOIN customers c
```



Question 9

Correct

Mark 1.00 out
of 1.00

In which cases would you use an outer join?

Select one:

- a. The tables being joined have NOT NULL columns.
- b. The tables being joined have only matched data.
- c. The tables being joined have both matched and unmatched data. ✓
- d. Only when the tables have a primary key/foreign key relationship.
- e. The tables being joined have only unmatched data.

Your answer is correct.

The correct answer is: The tables being joined have both matched and unmatched data.

Question 10

Correct

Mark 1.00 out
of 1.00

The NOT operator can be used with _____ operators.

Select one or more:

- a. >
- b. ANY ✓
- c. ALL ✓
- d. IN ✓

Your answer is correct.

The correct answers are: IN, ANY, ALL



Started on Tuesday, 17 March 2020, 6:42 PM

State Finished

Completed on Tuesday, 17 March 2020, 6:46 PM

Time taken 4 mins 7 secs

Marks 10.00/10.00

Grade 100.00 out of 100.00

Feedback Congratulations!!! You have passed by securing more than 80%

Question 1

Correct

Mark 1.00 out of 1.00

Which SQL statement produces an error?

Select one:

- a.

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

```
SELECT *
FROM emp_dept_vu;
```
- d.

```
SELECT department_id, job_id, AVG(salary)
FROM emp_dept_vu
GROUP BY department_id, job_id;
```
- e.

```
SELECT department_id, SUM(salary)
FROM emp_dept_vu
GROUP BY department_id;
```

The correct answer is: None of the statements produce an error; all are valid.

Question 2

Correct

Mark 1.00 out of 1.00

Which statement would display the highest credit limit available in each income level in each city in the Customers table?

Select one:

- a.

```
SELECT cust_city, cust_income_level,MAX(cust_credit_limit)
FROM customers
GROUP BY cust_credit_limit , cust_income_level, cust_city ;
```
- b.

```
SELECT cust_city, cust_income_level,MAX(cust_credit_limit)
FROM customers
GROUP BY cust_city, cust_income_level; ✓
```
- c.

```
SELECT cust_city, cust_income_level,MAX(cust_credit_limit)
FROM customers
GROUP BY cust_city, cust_income_level,cust_credit_limit;
```
- d.

```
SELECT cust_city, cust_income_level,MAX(cust_credit_limit)
FROM customers
GROUP BY cust_city , , cust_income_level ,MAX(cust_credit_limit);
```

The correct answer is:

```
SELECT cust_city, cust_income_level,MAX(cust_credit_limit)
FROM customers
GROUP BY cust_city, cust_income_level;
```

Correct

Mark 1.00 out
of 1.00

Promotions Table

| Column Name | Datatype | Constraint |
|------------------|----------|------------|
| Promo_id | Number | PK |
| Promo_name | Varchar | |
| Promo_begin_date | Date | |
| Promo_end_date | Date | |

Sales Table

| Column Name | Datatype | Constraint |
|-------------|----------|------------|
| Promo_id | Number | FK |
| Cust_id | Number | FK |
| Time_id | Date | |

Customer Table

| Column Name | Datatype | Constraint |
|-------------|----------|------------|
| cust_id | Number | PK |
| cust_name | Varchar | |

The Below query will generate a report showing the promo name along with the customer name for all products that were sold during their promo campaign and before 30th October 2007.

```
SELECT promo_name,cust_name FROM promotions p JOIN sales s
ON(time_id BETWEEN promo_begin_date AND promo_end_date)
JOIN customer c ON (s.cust_id = c.cust_id) AND time_id < '30-oct-2007';
```

Which statement is true regarding the above query?

Select one:

- a. It produces an error because the join order of the tables is incorrect.
- b. It executes successfully and gives the required result.
- c. It produces an error because equijoin and nonequijoin conditions cannot be used in the same query.
- d. It executes successfully but does not give the required result. ✓

Your answer is correct.

The correct answer is: It executes successfully but does not give the required result.

Correct
Mark 1.00 out
of 1.00

```
WHERE cust_credit_limit > 1000
GROUP BY cust_city
HAVING AVG(cust_credit_limit) BETWEEN 5000 AND 6000;
```

Which statement is true regarding the outcome of the above query?

Select one:

- a. Date functions
- b. It executes successfully. ✓
- c. It returns an error because WHERE and HAVING clauses cannot be used in the same SELECT statement.
- d. It returns an error because WHERE and HAVING clauses cannot be used to apply conditions on the same column.
- e. It returns an error because the BETWEEN operator cannot be used in the HAVING clause.

Your answer is correct.

The correct answer is: It executes successfully.

Question 5

Correct
Mark 1.00 out
of 1.00

To display the names of employees who earns more than the average salary of all employees.

```
SELECT last_name, first_name
FROM employee
WHERE salary > AVG(salary);
```

Which change should you make to achieve the desired results?

Select one:

- a. Move the function to the SELECT clause and add a GROUP BY clause.
- b. Move the function to the SELECT clause and add a GROUP BY clause and a HAVING clause.
- c. Change the function in the WHERE clause.
- d. Use a subquery in the WHERE clause to compare the average salary value. ✓

The correct answer is: Use a subquery in the WHERE clause to compare the average salary value.

Correct

Mark 1.00 out
of 1.00

Select one:

- a. `SELECT last_name, department_name, location_id
FROM employees , departments ;`
- b. `SELECT e.last_name, d.department_name, d.location_id
FROM employees e, departments d
WHERE e.department_id =d.department_id; ✓`
- c. `SELECT e.last_name, d.department_name, d.location_id
FROM employees e, departments d
WHERE manager_id =manager_id;`
- d. `SELECT employees.last_name, departments.department_name,
departments.location_id FROM employees e, departments d
WHERE e.department_id =d.department_id;`

Your answer is correct.

The correct answer is: `SELECT e.last_name, d.department_name, d.location_id
FROM employees e, departments d
WHERE e.department_id =d.department_id;`

Question 7

Correct

Mark 1.00 out
of 1.00

Which statements would execute successfully?

Select one or more:

- a. `SELECT SUM (subject1+subject2+subject3)
FROM marks
WHERE student_name IS NULL ✓`
- b. `SELECT student_name,subject1
FROM marks
WHERE subject1 > AVG(subject1);`
- c. `SELECT student_name,SUM(subject1)
FROM marks
WHERE student_name LIKE 'R%';`
- d. `SELECT SUM (DISTINCT NVL(subject1,0)),MAX(subject1)
FROM marks
WHERE subject1 > subject2; ✓`

The correct answers are: `SELECT SUM (DISTINCT NVL(subject1,0)),MAX(subject1)
FROM marks
WHERE subject1 > subject2;` `SELECT SUM (subject1+subject2+subject3)
FROM marks
WHERE student_name IS NULL`

Correct

Mark 1.00 out
of 1.00

| Emp_Id | Dept_Id | Commission |
|--------|---------|------------|
| 1 | 10 | 500 |
| 2 | 20 | 1000 |
| 3 | 10 | |
| 4 | 10 | 600 |
| 5 | 30 | 800 |
| 6 | 30 | 200 |
| 7 | 10 | |
| 8 | 20 | 300 |
| | | |

Which tasks would require sub queries or joins in order to be performed in a single step?

Select one or more:

- a. Finding the total commission earned by the employees in department 10
- b. Listing the employees who earn the same amount of commission as employee 3 ✓
- c. Finding the number of employees who earn a commission that is higher than the average commission of the company ✓
- d. Listing the employees whose annual commission is more than 6000
- e. Listing the employees who do not earn commission and who are working for department 20 in descending order of the employee ID
- f. Listing the departments whose average commission is more than 600

Your answer is correct.

The correct answers are: Listing the employees who earn the same amount of commission as employee 3, Finding the number of employees who earn a commission that is higher than the average commission of the company

Question 9

Correct

Mark 1.00 out
of 1.00

The following query is written to retrieve all those product IDs from the SALES table that have more than 55000 sold and have been ordered more than 10 times:

```
SELECT prod_id FROM sales WHERE quantity_sold > 55000 AND COUNT(*)>10
GROUP BY prod_id HAVING COUNT(*)>10;
```

Which statement is true regarding this SQL statement?

Select one:

- a. It executes successfully and generates the required result.
- b. It produces an error because COUNT (*) should be only in the HAVING clause and not in the WHERE clause. ✓
- c. It executes successfully but produces no result because COUNT(prod_id) should be used instead of COUNT(*) .
- d. It produces an error because COUNT (*) should be specified the SELECT clause also .

The correct answer is: It produces an error because COUNT (*) should be only in the HAVING clause and not in the WHERE clause.

Correct

Mark 1.00 out
of 1.00

Select one or more:

- a. The WHERE clause can be used to apply additional conditions in SELECT statement containing the ON or the USING clause. ✓
- b. Maximum of one pair of columns can be joined between two tables using the ON clause
- c. Both USING and ON clause can be used for equijoins and nonequijoins
- d. The ON clause can be used to join tables on columns that have different names but compatible data types. ✓

Your answer is correct.

The correct answers are: The ON clause can be used to join tables on columns that have different names but compatible data types., The WHERE clause can be used to apply additional conditions in SELECT statement containing the ON or the USING clause.



| | |
|--------------|--|
| Started on | Monday, 16 March 2020, 4:50 PM |
| State | Finished |
| Completed on | Monday, 16 March 2020, 4:52 PM |
| Time taken | 1 min 50 secs |
| Marks | 5.00/5.00 |
| Grade | 100.00 out of 100.00 |
| Feedback | Congratulations!!! You have passed by securing more than 80% |

Question 1

Correct

Mark 1.00 out
of 1.00

| Table CUSTOMERS | | |
|---------------------|----------|---------------|
| Name | Null? | Type |
| CUST_ID | NOT NULL | NUMBER |
| CUST_FIRST_NAME | NOT NULL | VARCHAR2 (20) |
| CUST_LAST_NAME | NOT NULL | VARCHAR2 (40) |
| CUST_GENDER | NOT NULL | CHAR (1) |
| CUST_YEAR_OF_BIRTH | NOT NULL | NUMBER (4) |
| CUST_MARITAL_STATUS | | VARCHAR2 (20) |
| CUST_STREET_ADDRESS | NOT NULL | VARCHAR2 (40) |
| CUST_POSTAL_CODE | NOT NULL | VARCHAR2 (10) |
| CUST_CITY | NOT NULL | VARCHAR2 (30) |
| CUST_STATE_PROVINCE | NOT NULL | VARCHAR2 (40) |
| COUNTRY_ID | NOT NULL | NUMBER |
| CUST_INCOME_LEVEL | | VARCHAR2 (30) |
| CUST_CREDIT_LIMIT | | NUMBER |
| CUST_EMAIL | | VARCHAR2 (30) |

You issue the following SQL statement on the CUSTOMERS table to display the customers who are in the same country as customers with the last name 'king' and whose credit limit is less than the maximum credit limit in countries that have customers with the last name 'king'.

```
SQL> SELECT cust_id,cust_last_name
  FROM customers
 WHERE country_id IN(SELECT country_id
                      FROM customers
                      WHERE cust_last_name ='King')
   AND cust_credit_limit < (SELECT MAX(cust_credit_limit)
                           FROM customers
                           WHERE country_id IN(SELECT country_id
                                               FROM customers
                                               WHERE cust_last_name='King'));
```

Which statement is true regarding the outcome of the above query?

Select one:

- a. It executes and shows the required result. ✓
- b. It produces an error and the < operator should be replaced by < ANY to get the required output
- c. It produces an error and the < operator should be replaced by < ALL to get the required output.
- d. It produces an error and the IN operator should be replaced by = in the WHERE clause of the main query to get the required output

Your answer is correct.

The correct answer is: It executes and shows the required result.

Correct

Mark 1.00 out
of 1.00

- ✓ SELECT prod_name FROM products
- ✓ WHERE prod_id IN(
- ✓ SELECT prod_id FROM products
- ✓ WHERE prod_list_price=(
- ✓ SELECT MAX(prod_list_price) FROM products
- ✓ WHERE prod_list_price<
- ✓ (SELECT MAX(prod_list_price) FROM products));

Your answer is correct.

**Question
3**

Correct

Mark 1.00 out
of 1.00

Where can subqueries be used?

Select one or more:

- a. The FROM clause in the SELECT statement ✓
- b. The GROUP BY clause in the SELECT statement
- c. The WHERE clause in the SELECT as well as all DML statements ✓
- d. The WHERE clause in only the SELECT statement
- e. The HAVING clause in the SELECT statement ✓
- f. Field names in the SELECT statement. ✓

Your answer is correct.

The correct answers are: Field names in the SELECT statement., The FROM clause in the SELECT statement, The HAVING clause in the SELECT statement, The WHERE clause in the SELECT as well as all DML statements

**Question
4**

Correct

Mark 1.00 out
of 1.00

The NOT operator can be used with IN, ANY, and ALL operators in multiple-row subqueries. State true or false.

Select one:

- True ✓
- False

The correct answer is 'True'.

**Question
5**

Correct

Mark 1.00 out
of 1.00Main query and subquery can/must get data from ✓ tables.

Started on Monday, 16 March 2020, 10:17 PM

State Finished

Completed on Monday, 16 March 2020, 10:20 PM

Time taken 3 mins 26 secs

Marks 8.00/8.00

Grade 100.00 out of 100.00

Feedback Congratulations!!! You have passed by securing more than 80%

Question 1

Correct

Mark 1.00 out of 1.00

Which SQL statement grants a privilege to all the database users?

Select one:

- a. grant select on department to ALL;
- b. grant select on department to PUBLIC; ✓
- c. grant select on department to PRIVATE;
- d. grant select on department to ALL USERS;

Your answer is correct.

The correct answer is: grant select on department to PUBLIC;

Question 2

Correct

Mark 1.00 out of 1.00

You need to create the patient_id_seq sequence to be used with the patient table's primary key column. The sequence should begin at 1000, have a maximum value of 99999999, never reuse any numbers, and increment by 1.

Which statement would you use to complete this task?

Select one:

- a. CREATE SEQUENCE patient_id_seq
START WITH 1000
MAXVALUE 99999999
STEP BY 1;
- b. CREATE SEQUENCE patient_id_seq
START WITH 1000
MAXVALUE 99999999
NOCYCLE; ✓
- c. CREATE SEQUENCE patient_id_seq
ON patient (patient_id)
MINVALUE 1000
MAXVALUE 99999999
INCREMENT BY 1
NOCYCLE;
- d. This task cannot be accomplished.

Your answer is correct.

The correct answer is: CREATE SEQUENCE patient_id_seq
START WITH 1000
MAXVALUE 99999999
NOCYCLE;

Correct

Mark 1.00 out
of 1.00

Select one:

- a. REMOVE emp_dept_vu;
- b. DROP emp_dept_vu;
- c. DELETE emp_dept_vu;
- d. REMOVE VIEW emp_dept_vu;
- e. DROP VIEW emp_dept_vu; ✓
- f. DELETE VIEW emp_dept_vu;

Your answer is correct.

The correct answer is: DROP VIEW emp_dept_vu;

Question 4

Correct

Mark 1.00 out
of 1.00

```
CREATE INDEX emp_dept_id_idx  
ON employee(dept_id);
```

Which of the following statements are true with respect to the above index?

Select one:

- a. May reduce the amount of disk I/O for INSERT statements.
- b. Override the unique index created when the FK relationship was defined.
- c. May reduce the amount of disk I/O for SELECT statements. ✓
- d. Store an index in the EMPLOYEE table.
- e. Increase the chance of full table scans.

Your answer is correct.

The correct answer is: May reduce the amount of disk I/O for SELECT statements.

Question 5

Correct

Mark 1.00 out
of 1.00

A/an _____ index is based on expressions.

Select one:

- a. Non clustered Index
- b. Unique Index
- c. Function Based ✓
- d. Clustered Index

Your answer is correct.

The correct answer is: Function Based

Question 6

Correct

Mark 1.00 out
of 1.00

An owner can give specific privileges on the owner's objects to others. State...

Select one:

- True ✓
- False

The correct answer is 'True'.

Correct

Mark 1.00 out
of 1.00

Select one:

- a. ALTER, DELETE, INSERT, SELECT
- b. DELETE, INSERT,SELECT
- c. none
- d. DELETE, INSERT, SELECT, UPDATE ✓

Your answer is correct.

The correct answer is: DELETE, INSERT, SELECT, UPDATE

**Question
8**

Correct

Mark 1.00 out
of 1.00

The owner has all the privileges on the object. State true or False.

Select one:

- True ✓
- False

The correct answer is 'True'.



Started on Monday, 16 March 2020, 10:08 PM

State Finished

Completed on Monday, 16 March 2020, 10:16 PM

Time taken 7 mins 55 secs

Marks 9.00/10.00

Grade **90.00** out of 100.00

Feedback Congratulations!!! You have passed by securing more than 80%



Correct

Mark 1.00 out
of 1.00

Which DELETE statements are valid? (Choose all that apply.)

Select one or more:

- a. DELETE
FROM sales
WHERE promo_id IN (SELECT promo_id
FROM promotions
WHERE promo_name IN ('blowout sale','everyday low price')); ✓
- b. DELETE
FROM sales
WHERE promo_id = (SELECT promo_id
FROM promotions
WHERE promo_name = 'blowout sale')
OR promo_id = (SELECT promo_id
FROM promotions
WHERE promo_name = 'everyday low price'); ✓
- c. DELETE
FROM sales
WHERE promo_id = (SELECT promo_id
FROM promotions
WHERE promo_name = 'blowout sale')
AND promo_id = (SELECT promo_id
FROM promotions
WHERE promo_name = 'everyday low price');
- d. DELETE
FROM sales
WHERE promo_id IN (SELECT promo_id
FROM promotions
WHERE promo_name = 'blowout sale')
OR promo_name = 'everyday low price'; ✓

Your answer is correct.

The correct answers are:

```
DELETE
FROM sales
WHERE promo_id = (SELECT promo_id
FROM promotions
WHERE promo_name = 'blowout sale')
OR promo_id = (SELECT promo_id
FROM promotions
WHERE promo_name = 'blowout sale')
WHERE promo_name = 'everyday low price');, DELETE
FROM sales
WHERE promo_id IN (SELECT promo_id
FROM promotions
WHERE promo_name = 'blowout sale')
OR promo_name = 'everyday low price';, DELETE
FROM sales
WHERE promo_id IN (SELECT promo_id
FROM promotions
WHERE promo_name IN ('blowout sale','everyday low price'));
```

Incorrect

Mark 0.00 out
of 1.00

Customer Table

| Column Name | Datatype | Constraint |
|-------------------|----------|------------|
| custNo | Number | PK |
| custname | Varchar | |
| custaddress | varchar | |
| Cust_credit_limit | Number | |

Grade Table

| Column Name | Datatype | Constraint |
|-------------|----------|------------|
| Grade | Varchar | |
| Startval | Number | |
| Endval | Number | |

To display names and grades of customers who have the highest credit limit.

Which SQL statements would accomplish the task?

Select one or more:

- a. SELECT custname, grade
 FROM customers, grades
 WHERE (SELECT MAX(cust_credit_limit)
 FROM customers) BETWEEN startval and endval; ✗
- b. SELECT custname, grade
 FROM customers, grades
 WHERE cust_credit_limit = (SELECT MAX(cust_credit_limit)
 FROM customers)
 AND cust_credit_limit BETWEEN startval AND endval; ✓
- c. SELECT custname, grade
 FROM customers, grades
 WHERE (SELECT MAX(cust_credit_limit)
 FROM customers) BETWEEN startval and endval
 AND cust_credit_limit BETWEEN startval AND endval;
- d. SELECT custname, grade
 FROM customers, grades
 WHERE cust_credit_limit IN (SELECT MAX(cust_credit_limit)
 FROM customers)
 AND MAX(cust_credit_limit) BETWEEN startval AND endval;

Your answer is incorrect.

The correct answers are:

```
SELECT custname, grade
FROM customers, grades
WHERE cust_credit_limit = (SELECT MAX(cust_credit_limit)
                           FROM customers)
      AND cust_credit_limit BETWEEN startval AND endval;
SELECT custname, grade
FROM customers, grades
WHERE (SELECT MAX(cust_credit_limit)
                           FROM customers)
      AND cust_credit_limit BETWEEN startval AND endval;
```

Correct

Mark 1.00 out
of 1.00

Select one:

- a. Equi Join
- b. Self Join
- c. Outer Join ✓
- d. Non Equi Join

Your answer is correct.

The correct answer is: Outer Join

Question 4

Correct

Mark 1.00 out
of 1.00

The _____ join is based on all columns in the two tables that have the same column name.

Select one:

- a. Natural ✓
- b. Cross
- c. Full Outer
- d. Left Outer

Your answer is correct.

The correct answer is: Natural

Question 5

Correct

Mark 1.00 out
of 1.00

Mr. John is the president of a company. Five managers report to him. All other employees report to these managers.

Examine the code:

```
SELECT employee.ename FROM emp employee
WHERE employee.empno NOT IN (SELECT manager.mgr
FROM emp manager);
```

The above statement returns no rows selected. as the result. Why?

Select one:

- a. None of the employees has a manager.
- b. All employees have a manager.
- c. A NULL value is returned from the subquery. ✓
- d. NOT IN operator is not allowed in subqueries.

Your answer is correct.

The correct answer is: A NULL value is returned from the subquery.

Question 6

Correct

Mark 1.00 out
of 1.00

Equipjoin is called as _____.

Select one:

- a. Outer Join
- b. Self Join
- c. Equal Join
- d. Simple Join ✓

Your answer is correct.

The correct answer is: Simple Join

Correct

Mark 1.00 out
of 1.00

| Column Name | Datatype | Constraint |
|-------------|-------------|------------|
| order_id | Number | PK |
| Order_date | Date | |
| Order_mode | varchar | |
| Customer_id | Number | |
| Order_total | Number(8,2) | |

There is only one customer with the CUST_LAST_NAME column having value Roberts. Which INSERT statement should be used to add a row into the ORDERS table for the customer whose CUST_LAST_NAME is Roberts and CREDIT_LIMIT is 600?

Select one:

- a. `INSERT INTO orders (order_id ,order _date,order_mode , (SELECT customer_id FROM customers WHERE cust_last_name ='Roberts' AND credit_limit =600) , order _total) VALUES (1,'10-mar-2007','direct' ,& &customer_id,1000);`
- b. `INSERT INTO(SELECT o.order_id,o.order,o.order_mode,c.customer_id,o.order_total FROM orders o, customers c WHERE o.customer_id = c.customer_id AND c.cust_last_name ='Roberts' and c.credit_limit =600) VALUES (1,'10-mar-2007','direct' ,& &customer_id,1000);`
FROM customers
WHERE cust_last_name ='Roberts' AND credit_limit =600) ,1000);
- c. `INSERT INTO orders (order_id ,order _date,order_mode , (SELECT customer_id FROM customers WHERE cust_last_name ='Roberts' AND credit_limit =600) , order _total) VALUES (1,'10-mar-2007','direct' ,& customer_id,1000);`
- d. `INSERT INTO orders VALUES(1,'10-mar-2007','direct', (SELECT customer_id FROM customers WHERE cust_last_name ='Roberts' AND credit_limit =600) ,1000);` ✓

Your answer is correct.

The correct answer is: `INSERT INTO orders VALUES(1,'10-mar-2007','direct', (SELECT customer_id FROM customers WHERE cust_last_name ='Roberts' AND credit_limit =600) ,1000);`

Question 8

Correct

Mark 1.00 out
of 1.00

The _____ join produces the cross product of two tables.

Select one:

- a. Equi
- b. Self
- c. Outer
- d. Cross ✓

Your answer is correct.

The correct answer is: Cross

Correct

Mark 1.00 out
of 1.00**Products Table**

| Column Name | Datatype | Constraint |
|-------------------|----------|------------|
| Prod_id | Number | PK |
| Prod_name | Varchar | |
| Prod_list_price | varchar | |
| Cust_credit_limit | Number | |

What would be the outcome of executing the below SQL statement?

```
select prod_name from products where prod_id in(
select prod_id from products where prod_list_price=(  

select max(prod_list_price) from products where prod_list_price<(  

select max(prod_list_price)from products)));
```

Select one:

- a. It shows the names of all products whose list price is less than the maximum list price
- b. It shows the names of all products in the table.
- c. It shows the names of products whose list price is the second highest in the table ✓
- d. It produces an error

Your answer is correct.

The correct answer is: It shows the names of products whose list price is the second highest in the table

Question 10

Correct

Mark 1.00 out
of 1.00

Joining a table to itself is called as _____.

Select one:

- a. Outer Join
- b. Equi Join
- c. Non Equi Join
- d. Self Join ✓

Your answer is correct.

The correct answer is: Self Join

Started on Tuesday, 16 March 2021, 9:23 PM

State Finished

Completed on Tuesday, 16 March 2021, 9:27 PM

Time taken 3 mins 54 secs

Marks 4.00/5.00

Grade **80.00** out of 100.00

Feedback Congratulations!!! You have passed by securing more than 80%

Question 1

Incorrect

Mark 0.00 out of 1.00

There is a way of describing XML data, how?

Select one:

- a. XML uses a description node to describe data
- b. XML uses XSL to describe data
- c. XML uses a DTD to describe the data 

The correct answer is: XML uses XSL to describe data

Question 2

Correct

Mark 1.00 out of 1.00

XML is much more like

Select one:

- a. JavaScript
- b. C programming
- c. HTML 
- d. CSS

The correct answer is: HTML

Question 3

Correct

Mark 1.00 out of 1.00

We can frame our own XML tags.

Select one:

- True 
- False

The correct answer is: True

Question 4

Correct

Mark 1.00 out of 1.00

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. <xml version=1.0>
- d. <?xml version="1.0" />

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

**Question
5**

Correct

Mark 1.00 out of
1.00

XML is a software and hardware dependent tool for carrying information.

Select one:

- a. FALSE ✓
- b. TRUE

The correct answer is: FALSE

Started on Thursday, 25 March 2021, 5:35 PM

State Finished

Completed on Thursday, 25 March 2021, 5:37 PM

Time taken 1 min 45 secs

Marks 5.00/5.00

Grade 100.00 out of 100.00

Feedback Congratulations!!! You have passed by securing more than 80%

Question 1

Correct

Mark 1.00 out of 1.00

Say true or False. White spaces can be preserved by XML

Select one:

- True ✓
- False

The correct answer is: True

Question 2

Correct

Mark 1.00 out of 1.00

How to provide multiple values to the attributes

Select one:

- a. <Element myAttribute="value1 ,value2" />
- b. Attributes cannot have multiple values ✓
- c. <Element myAttribute="value1 value2" ></Element>
- d. <Element myAttribute="value1" myAttribute="value" />

Your answer is correct.

The correct answer is: Attributes cannot have multiple values

Question 3

Correct

Mark 1.00 out of 1.00

What is a well formed XML Document?

Select one:

- a. XML document must contain one or more elements and root should contain all the elements. ✓
- b. XML document contain elements.
- c. XML has root element
- d. Xml document attributes should have values

The correct answer is: XML document must contain one or more elements and root should contain all the elements.

Question 4

Correct

Mark 1.00 out of 1.00

Which is a valid String name in XML?

Select one:

- a. XmlNewElement
- b. xmlnewelement
- c. xslnewelement ✓
- d. XMLNewelement

The correct answer is: xslnewelement

Question 5

Correct

Mark 1.00 out of
1.00

Which is the term that used about text data that should not be parsed by XML parser

Select one:

- a. CDATA ✓
- b. cadata
- c. PCDATA
- d. ppdata

The correct answer is: CDATA



Shivani Lohale .

[Dashboard](#) / [XML](#) / [DTD](#) / [Post-Quiz](#)

| | |
|--------------|--|
| Started on | Wednesday, 11 March 2020, 7:20 PM |
| State | Finished |
| Completed on | Wednesday, 11 March 2020, 7:21 PM |
| Time taken | 1 min 2 secs |
| Marks | 5.00/5.00 |
| Grade | 100.00 out of 100.00 |
| Feedback | Congratulations!! You have passed by securing more than 80%. |

Question 1

Correct

Mark 1.00 out of 1.00

State true or false.

XML is validated without referring to any of the external files.

Select one:

 False True ✓

The correct answer is: True

Question 2

Correct

Mark 1.00 out of 1.00

What is the character for Escape String ?

Select one:

 a ' b > c & d " ✓

The correct answer is: &quot;

Question 3

Correct

Mark 1.00 out of 1.00

What is the Escape String for character <?

Select one:

 < & > < ✓

The correct answer is: &lt;

Question 4

Correct

Mark 1.00 out of 1.00

State true or false.

Internal DTD can be reused.

Select one:

 True False ✓

The correct answer is: False

Shivani Lohale .

Dashboard / XML / DTD / Pre-Quiz

| | |
|--------------|---|
| Started on | Wednesday, 11 March 2020, 7:18 PM |
| State | Finished |
| Completed on | Wednesday, 11 March 2020, 7:19 PM |
| Time taken | 1 min 26 secs |
| Marks | 5.00/5.00 |
| Grade | 100.00 out of 100.00 |
| Feedback | Congratulations! You have passed by securing more than 80%. |

Correct
Mark 1.00 out of 1.00

_____ provides extra information about XML elements.

Select one:

- None of these
- element-declarations ✓
- document-declarations
- root-element-declarations

The correct answer is: element-declarations

Question 5
Correct
Mark 1.00 out of 1.00

Some Characters have a special meaning in XML those are called as _____

Select one:

- a. None of these
- b. Symbols
- c. Entities ✓
- d. Variables

The correct answer is: Entities

Shivani Lohale .

Question 1
Correct
Mark 1.00 out of 1.00

Which one of the following syntax is used to associate an external DTD declaration?

Select one:

- <!DOCTYPE 'filename'>
- <!DOCTYPE SYSTEM 'filename'>
- None of these
- <!DOCTYPE root-element SYSTEM 'filename'> ✓

The correct answer is: <!DOCTYPE root-element SYSTEM 'filename'>

Question 2
Correct
Mark 1.00 out of 1.00

PCDATA Stands for _____

Select one:

- Parsed Character Data ✓
- None of these
- Predefined Character Data
- Pure Character Data

The correct answer is: Parsed Character Data

Question 3
Correct
Mark 1.00 out of 1.00

Started on Monday, 22 March 2021, 2:02 PM

State Finished

Completed on Monday, 22 March 2021, 2:04 PM

Time taken 1 min 16 secs

Marks 4.00/5.00

Grade 80.00 out of 100.00

Feedback Congratulations!!! You have passed by securing more than 80%

Question 1

Correct

Mark 1.00 out of 1.00

The XML schema defines semantics such as

Select one:

- a. how many items can be present.
- b. All the above ✓
- c. sub elements
- d. fields an element

The correct answer is: All the above

Question 2

Incorrect

Mark 0.00 out of 1.00

State True or False.

DTD is a form of XML Schema.

Select one:

- False ✗
- True

The correct answer is: True

Question 3

Correct

Mark 1.00 out of 1.00

State True or False.

An XML document is well formed if every opening tag is closed.

Select one:

- Yes ✓
- No

The correct answer is: Yes

Question 4

Correct

Mark 1.00 out of 1.00

Which one of the following options can be considered as the limitation of DTD?

Select one:

- DTD Cannot validate the content to data types
- All of the above ✓
- DTD lacks strong typing capabilities
- DTD is not written in XML

The correct answer is: All of the above

Question 5

Correct

Mark 1.00 out of
1.00

State true or false.

A Simple element can contain any other element or attributes.

Select one:

- True
- False ✓

The correct answer is: False

| | |
|---------------------|--|
| Started on | Monday, 22 March 2021, 2:00 PM |
| State | Finished |
| Completed on | Monday, 22 March 2021, 2:02 PM |
| Time taken | 1 min 39 secs |
| Marks | 5.00/5.00 |
| Grade | 100.00 out of 100.00 |
| Feedback | Congratulations!!! You have passed by securing more than 80% |

Question 1

Correct

Mark 1.00 out of 1.00

Which one of the following options provide a common way to describe data?

Select one:

- DTD ✓
- Description node to describe data
- Namespace
- XSLT

The correct answer is: DTD

Question 2

Correct

Mark 1.00 out of 1.00

The XML Schema language is also referred to as _____.

Select one:

- a. XML Schema Documentation
- b. XML Schema Definition ✓
- c. None of the above
- d. XML Schema Declaration

The correct answer is: XML Schema Definition

Question 3

Correct

Mark 1.00 out of 1.00

You can name the schema using the name attribute like

Select one:

- a. <schema nameattr="schema1">
- b. <schema name="schema1"> ✓
- c. <schema attribute="schema1">
- d. <schema nameattribute="schema1">

The correct answer is: <schema name="schema1">

Question 4

Correct

Mark 1.00 out of 1.00

A schema describes _____.

Select one:

- Datatype of XML document only
- All of the above ✓
- Vocabulary only
- Structure only
- Grammar only

The correct answer is: All of the above

**Question
5**

Correct

Mark 1.00 out of
1.00

An XML document with correct syntax is called _____.

Select one:

- a. Well Formed ✓
- b. Valid

The correct answer is: Well Formed

Started on Thursday, 25 March 2021, 5:40 PM

State Finished

Completed on Thursday, 25 March 2021, 5:42 PM

Time taken 1 min 7 secs

Marks 5.00/5.00

Grade 100.00 out of 100.00

Feedback Congratulations!!! You have passed by securing more than 80%

Question 1

Correct

Mark 1.00 out of 1.00

A single XML document cannot have elements from multiple namespaces. State true or false

Select one:

- a. True
- b. False ✓

The correct answer is: False

Question 2

Correct

Mark 1.00 out of 1.00

URI stands for _____.

Select one:

- a. Uniform Resource Identification
- b. Uniform Resource Indication
- c. Uniform Resource Indicator
- d. Uniform Resource Identifier ✓

The correct answer is: Uniform Resource Identifier

Question 3

Correct

Mark 1.00 out of 1.00

URI is NOT a URL. State true or false.

Select one:

- a. False
- b. True ✓

The correct answer is: True

Question 4

Correct

Mark 1.00 out of 1.00

An element declaration specifies

Select one:

- a. zmarkup elements
- b. markup data
- c. a single markup element ✓
- d. the document data

The correct answer is: a single markup element

Question 5

Correct

Mark 1.00 out of
1.00

Well formed XML document means(most appropriate)

Select one:

- a. it contain an element
- b. it contains a root element
- c. must contain one or more elements and root element must contain all other elements ✓
- d. it contains one or more elements

The correct answer is: must contain one or more elements and root element must contain all other elements

Started on Thursday, 25 March 2021, 5:38 PM

State Finished

Completed on Thursday, 25 March 2021, 5:39 PM

Time taken 1 min 9 secs

Marks 5.00/5.00

Grade 100.00 out of 100.00

Feedback Congratulations!!! You have passed by securing more than 80%

Question 1

Correct

Mark 1.00 out of 1.00

State True or False.

The Name conflicts in XML can be avoided using a name prefix.

Select one:

- True ✓
- False

The correct answer is: True

Question 2

Correct

Mark 1.00 out of 1.00

The XML validated against a _____ is considered as a Valid XML.

Select one:

- JQUERY
- PARSER
- DTD ✓
- CFG

The correct answer is: DTD

Question 3

Correct

Mark 1.00 out of 1.00

Which one of the following options is a feature of XML?

Select one:

- XML performs the conversion of information between different e-business applications.
- XML cannot specify or contain presentation information.
- XML is used to describe hierarchically organized information. ✓
- XML must be used to produce XML and HTML output.

The correct answer is: XML is used to describe hierarchically organized information.

Question 4

Correct

Mark 1.00 out of 1.00

_____ is a mechanisms by which elements and attribute names can be assigned to a group.

Select one:

- Schema
- None of the above
- Namespace ✓
- DTD

The correct answer is: Namespace

**Question
5**

Correct

Mark 1.00 out of
1.00

The attribute used to define a new namespace is _____.

Select one:

- XmlNameSpace
- xmlAttribute
- xmlns ✓
- XMLxmlns

The correct answer is: xmlns

Started on: Tuesday, 4 February 2020, 3:11 PM

State: Finished

Completed on: Tuesday, 4 February 2020, 3:16 PM

Time taken: 4 mins 40 secs

Marks: 5.00/5.00

Grade: 100.00 out of 100.00

Feedback: Congratulations! You have passed by securing more than 80%.

Quiz navigation



Finish review

Question
1

Correct

Mark 1.00
out of 1.00Flag
question

What is the option used in ls command to list all entries in the current directory including hidden files?

Select one:

- a. -l
- b. -ls
- c. -a ✓
- d. -rh

Your answer is correct.

The correct answer is: -a

Question
2

Correct

Mark 1.00
out of 1.00Flag
question

What is the default maximum number of processes that can exist in Unix?

Select one:

- a. 32768 ✓
- b. unlimited
- c. 1024
- d. 4096

Your answer is correct.

The correct answer is: 32768

Question 3

Correct

Mark 1.00
out of 1.00

Flag question

Predict the output for the following command, if the current date is 21-04-2000.

date '+%B %H'

Select one:

- a. April 21 ✓
- b. 21 april
- c. command error
- d. 04 21

Your answer is correct.

The correct answer is: April 21

Question 4

Correct

Mark 1.00
out of 1.00

Flag question

Single user mode shell has ____ prompt.

Select one:

- a. \$ Normal user
- b. ~ Home user
- c. # Root user ✓
- d. % Admin user

Your answer is correct.

The correct answer is: # Root user

Question 5

Correct

Mark 1.00
out of 1.00

Flag question

Write the command to display the current date in the form dd/mm/yyyy.

Select one:

- a. date +%d/%m/20%y
- b. date +"%d/%m/%y"
- c. date +%d/%m/%Y ✓
- d. date +"/%d/%m/20%y"

Your answer is correct.

The correct answer is: date +%d/%m/%Y

[Finish review](#)



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Started on Tuesday, 4 February 2020, 3:07 PM

State Finished

Completed on Tuesday, 4 February 2020, 3:10 PM

Time taken 2 mins 58 secs

Marks 4.00/5.00

Grade 80.00 out of 100.00

Feedback Congratulations! You have passed by securing more than 80%.

Quiz navigation



Finish review

Question 1

Incorrect

Mark 0.00
out of 1.00

Flag
question

Which helps us to access the functions provided by the kernel to do the services of the OS?

Select one:

- a. command X
- b. shell
- c. system call

Your answer is incorrect.

The correct answer is: system call

Question 2

Correct

Mark 1.00
out of 1.00

Flag
question

The OS decides which process gets the processor, when and for how much time it is called _____.

Select one:

- a. multitask
- b. multiprogramming ✓
- c. multiuser

Your answer is correct.

The correct answer is: multiprogramming

Question

3

Correct

Mark 1.00
out of 1.00

Flag question

Solaris is the name of a flavor of UNIX from _____.

Select one:

- a. Digital Equipment Corp.
- b. HP
- c. Sun Microsystems ✓
- d. IBM

Your answer is correct.

The correct answer is: Sun Microsystems

Question

4

Correct

Mark 1.00
out of 1.00

Flag question

What will keep track of the printers and the USB connected to a computer?

Select one:

- a. process scheduling
- b. traffic controller
- c. file system
- d. I/O controller ✓

Your answer is correct.

The correct answer is: I/O controller

Question

5

Correct

Mark 1.00
out of 1.00

Flag question

Match the following:

| | | |
|---------|-----------------|---|
| Solaris | Sun Microsystem | ✓ |
| Linux | Redhat | ✓ |
| AIX | IBM | ✓ |
| HP-UX | Hewlett Packard | ✓ |

Your answer is correct.

The correct answer is:

Solaris → Sun Microsystem, Linux → Redhat,

AIX → IBM,

HP-UX → Hewlett Packard

[Finish review](#)



Powered by Tekstac



Started on: Tuesday, 4 February 2020, 2:03 PM

State: Finished

Completed on: Tuesday, 4 February 2020, 2:05 PM

Time taken: 2 mins 7 secs

Marks: 2.00/2.00

Grade: 100.00 out of 100.00

Feedback: Congratulations! You have passed by securing more than 80%.

Quiz navigation



Show one page at a time

Finish review

Question

1

Correct

Mark 1.00
out of 1.00

Flag
question

Fill the specific date format in the given echo statement, to print the date in dd/mm/yyyy Format.

echo 'date +[%d] / [%m] / [%Y]'

%dd %M %y

Your answer is correct.

The correct answer is:

Fill the specific date format in the given echo statement, to print the date in dd/mm/yyyy format.

echo 'date +[%d]/[%m]/[%Y]'

Question

2

Correct

Mark 1.00
out of 1.00

Flag
question

What will be the output of the given code snippet?

~]\$ dc

4

5

+

3

p

3 ✓

4 || 8 || 5

Your answer is correct.

The correct answer is:

What will be the output of the given code snippet?

```
~]S dc
```

```
4
```

```
5
```

```
+
```

```
3
```

```
p
```

```
[3]
```

[Finish review](#)



Powered by Tekstac



Started on Thursday, 27 February 2020, 1:10 AM

State Finished

Completed on Thursday, 27 February 2020, 1:23 AM

Time taken 12 mins 26 secs

Marks 14.00/15.00

Grade 93.33 out of 100.00

Feedback Congratulations! You have passed by securing more than 80%.

Quiz navigation

| | | | | |
|---|---|---|---|----|
| 1 | 2 | 3 | 4 | 5 |
| ✓ | ✓ | ✓ | ✓ | ✓ |
| 6 | 7 | 8 | 9 | 10 |
| ✓ | ✓ | ✓ | ✓ | ✓ |

[Show one page at a time](#)[Finish review](#)**Question 1**

Correct

Mark 1.00
out of 1.00[Flag question](#)

Match the following:

- | | | | |
|-------|---|---|---|
| cd . | current Directory | + | ✓ |
| cd - | will switch to previous visited directory | + | ✓ |
| cd .. | will move to immediate parent directory | + | ✓ |

Your answer is correct.

The correct answer is: cd . → current Directory; cd - → will switch to previous visited directory; cd .. → will move to immediate parent directory

Question 2

Correct

Mark 1.00
out of 1.00[Flag question](#)

Consider the directory structure "PARENT/CHILD/GRANDCHILD". Which option in rmdir command will help us to remove all the directories "PARENT/CHILD/GRANDCHILD"?

Select one:

- a. -d
- b. -p ✓
- c. -b
- d. -f

Your answer is correct.

The correct answer is: -p

Question 3

Correct

Mark 1.00
out of 1.00

Flag
question

The Octal notation for the given permission '-rwx-r-x' is represented as _____.

Select one:

- a. 666
- b. 777
- c. 744
- d. 755 ✓

Your answer is correct.

The correct answer is: 755

Question 4

Correct

Mark 1.00
out of 1.00

Flag
question

The last change time of the file is updated, if a user does a chmod operation on a file.

Select one:

- a. True ✓
- b. False

The correct answer is 'True'.

Question 5

Correct

Mark 1.00
out of 1.00

Flag
question

Code Fillup

To refer a field or column in the current line, _____ symbol is used in awk command.

Select one:

- a. -
- b. \$ ✓
- c. |
- d. .

Your answer is correct.

The correct answer is: S

Question 6

Correct

Mark 1.00
out of 1.00

Flag question

In ls command -R is the option to list sub directones recursively. Say yes/No.

Select one:

- a. No
- b. Yes ✓

Your answer is correct.

The correct answer is: Yes

Question 7

Correct

Mark 1.00
out of 1.00

Flag question

In cut, which two options come together?

Select one:

- a. -d, -f ✓
- b. -d, -c
- c. -c, -f

Your answer is correct.

The correct answer is: -d, -f

Question 8

Correct

Mark 1.00
out of 1.00

Flag question

What is the option in filter command grep, which removes any entries from the list by excluding any lines that start with a leading 'd'?

Select one:

- a. grep -v "d"
- b. grep -n "d"
- c. grep -v "d" ✓
- d. grep -s "d"

Your answer is correct.

The correct answer is: grep -r '^d'

Question 9

Correct

Mark 1.00
out of 1.00

Flag
question

_____ command is used to display only the directory attributes and not its contents.

Select one:

- a. ls -F
- b. ls -l -d ✓
- c. ls -x
- d. ls -l

Your answer is correct.

The correct answer is: ls -l -d

Question 10

Correct

Mark 1.00
out of 1.00

Flag
question

When mv first.dat second.dat is executed, the inode of _____ file is freed.

Select one:

- a. second.dat ✓
- b. first.dat

Your answer is correct.

The correct answer is: second.dat

Question 11

Correct

Mark 1.00
out of 1.00

Flag
question

grep with the option -n prints _____

Select one:

- a. nth line
- b. Number of lines that matches with the given pattern
- c. Number of lines that does not match with the given pattern
- d. list all lines which match with the given pattern with line numbers ✓

Your answer is correct.

The correct answer is: list all lines which match with the given pattern with line numbers

Question 12

Correct

Mark 1.00
out of 1.00

Flag question

In tee command, if the standard input was successfully copied to all output files, it returns _____

Select one:

- a. 0 ✓
- b. <0
- c. >0

Your answer is correct.

The correct answer is: 0

Question 13

Incorrect

Mark 0.00
out of 1.00

Flag question

_____ stamp is not stamped for a file in a traditional Unix file system.

Select one:

- a. Change Time
- b. Creation Time
- c. Modification Time
- d. Access Time ✗

Your answer is incorrect.

The correct answer is: Creation Time

Question 14

Correct

Mark 1.00
out of 1.00

Flag question

Match the following:

| | | | |
|-----------------|---|---|---|
| command >> file | Output of command is appended to file | + | ✓ |
| command > file | Output of command is redirected to file | + | ✓ |
| command < file | Command reads its input from file | + | ✓ |

Your answer is correct.

The correct answer is: command >> file --> Output of command is appended to file, command > file --> Output of command is redirected to file, command < file --> Command reads its input from file

Question 15

Correct

Mark 1.00
out of 1.00

Flag
question

Predict the output of the following command.

\$ chmod o+w data.txt

Select one:

- a. revoke write permission to users
- b. grant write permission to others ✓
- c. grant write permission to users
- d. revoke write permission to others

Your answer is correct.

The correct answer is: grant write permission to others

Finish review



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Started on: Tuesday, 11 February 2020, 6:31 PM

State: Finished

Completed on: Tuesday, 11 February 2020, 6:40 PM

Time taken: 9 mins 33 secs

Marks: 11.00/13.00

Grade: 84.62 out of 100.00

Feedback: Congratulations! You have passed by securing more than 80%.

Quiz navigation

| | | | | |
|----|----|----|---|----|
| 1 | 2 | 3 | 4 | 5 |
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| 11 | 12 | 13 | | |

Show one page at a time

Finish review

Question

1

Incorrect

Mark 0.00
out of 1.00

Flag
question

_____ is the command to set the execute permissions to all the files and subdirectories within the directory /home/client1/temp.

Select one:

- a. chmod -R +x /home/client1/temp
- b. chmod -f -r +x /home/client1/temp
- c. chmod -F +x /home/client1/temp
- d. chmod -t +x /home/client1/temp X

Your answer is incorrect.

The correct answer is: chmod -R +x /home/client1/temp

Question

2

Correct

Mark 1.00
out of 1.00

Flag
question

In which structure on the disk are file attribute information stored?

Select one:

- a. File blocks
- b. Inode ✓
- c. Data blocks
- d. Directory file

Your answer is correct.

The correct answer is: `inode`

Question 3

Correct

Mark 1.00
out of 1.00

Flag
question

What command is used to check the current users?

Select one:

- a. ls
- b. who ✓
- c. grep
- d. sed

Your answer is correct.

The correct answer is: `who`

Question 4

Correct

Mark 1.00
out of 1.00

Flag
question

Code Fillup:

_____ is a form of interprocess communication.

Select one:

- a. redirection ✓
- b. redistribution
- c. reinsertion
- d. none of these

Your answer is correct.

The correct answer is: redirection

Question 5

Correct

Mark 1.00
out of 1.00

Flag
question

`rm` command will remove a file in Unix. Then the file _____

Select one:

- a. cannot be recovered by a user ✓
- b. can be recovered by an admin
- c. can be fully recovered provided the system is not rebooted
- d. will be moved to `/lost+found` directory and can be recovered only by the administrator

Your answer is correct.

The correct answer is: cannot be recovered by a user

Question 6

Correct

Mark 1.00
out of 1.00

Flag
question

Code Fillup:

_____ command is used to remove a directory?

Select one:

- a. ddgr
- b. rd
- c. rdir
- d. rmdir ✓

Your answer is correct.

The correct answer is: rmdir

Question 7

Incorrect

Mark 0.00
out of 1.00

Flag
question

Choose the umask value which doesn't allow execute permission for directories by default.

Select one:

- a. 444
- b. 222 ✗
- c. 000
- d. 111

Your answer is incorrect.

The correct answer is: 111

Question 8

Correct

Mark 1.00
out of 1.00

Choose the correct symbol which represents the user home directory.

Select one:

- a. /
- b. ..

Flag question

- a. -
- b. -
- c. -
- d. -

Your answer is correct.

The correct answer is: -

Question 9

Correct

Mark 1.00
out of 1.00

Flag question

Match the Following

read, write and execute

rwx



read and write

rw-



write and execute

-wx



read and execute

r-x



Your answer is correct.

The correct answer is: read, write and execute → rwx,

read and write → rw-, write and execute → -wx, read and execute → r-x

Question 10

Correct

Mark 1.00
out of 1.00

Flag question

Which command will allow the user to search contents of a file for a particular pattern?

Select one:

- a. touch
- b. ls
- c. find
- d. grep ✓

Your answer is correct.

The correct answer is: grep

Question 11

Which command will take backup of 'Employee.dat' file to "Employee.log" file?

Correct

Mark 1.00

out of 1.00

Flag

question

Select one:

- a. move Employee.dat Employee.log
- b. cp Employee.dat Employee.log ✓
- c. mv Employee.dat Employee.log
- d. rm Employee.dat Employee.log

Your answer is correct.

The correct answer is: cp Employee.dat Employee.log

Question 12

Correct

Mark 1.00

out of 1.00

Flag

question

Which symbol is used in pipe command to group two commands?

Select one:

- a. /
- b. ||
- c. | ✓
- d. \

Your answer is correct.

The correct answer is: |

Question 13

Correct

Mark 1.00

out of 1.00

Flag

question

A pipe redirects the output of one command as an input to another command.

Select one:

- a. True ✓
- b. False

The correct answer is 'True'.



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Started on: Tuesday, 11 February 2020, 6:15 PM

State: Finished

Completed on: Tuesday, 11 February 2020, 6:17 PM

Time taken: 1 min 31 secs

Marks: 2.00/2.00

Grade: 100.00 out of 100.00

Feedback: Congratulations! You have passed by securing more than 80%.

Quiz navigation



Show one page at a time

Finish review

Question 1

Correct

Mark 1.00
out of 1.00

Flag question

cp command is like [copy-paste] ✓ and mv command is like [cut-paste] ✓

Your answer is correct.

The correct answer is:

cp command is like [copy-paste] and mv command is like [cut-paste]

Question 2

Correct

Mark 1.00
out of 1.00

Flag question

Find the equivalent octal notation for the given permission:

Symbolic Notation: r-x t-- t--

Octal Notation: 544 ✓

744 644

Your answer is correct.

The correct answer is:

Find the equivalent octal notation for the given permission:

Symbolic Notation: r-x t-- t--

Finish review



Powered by Tekstac



Started on Thursday, 27 February 2020, 1:24 AM

State Finished

Completed on Thursday, 27 February 2020, 1:25 AM

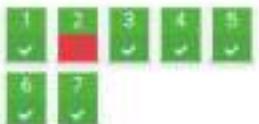
Time taken 1 min 14 secs

Marks 6.00/7.00

Grade 85.71 out of 100.00

Feedback Congratulations! You have passed by securing more than 80%.

Quiz navigation



Show one page at a time

Finish review

Question 1

Correct

Mark 1.00
out of 1.00

 Flag
question

grep with the option -n prints _____

Select one:

- a. Number of lines that matches with the given pattern
- b. nth line
- c. list all lines which match with the given pattern with line numbers ✓
- d. Number of lines that does not match with the given pattern

Your answer is correct.

The correct answer is: list all lines which match with the given pattern with line numbers

Question 2

Incorrect

Mark 0.00
out of 1.00

 Flag
question

Code Fillup

To refer a field or column in the current line, _____ symbol is used in awk command.

Select one:

- a. - 
- b. ..
- c. \$
- d. |

Your answer is incorrect.

The correct answer is: \$

Question 3

Correct

Mark 1.00
out of 1.00

Flag
question

In ls command -R is the option to list sub directories recursively. Say yes/No.

Select one:

- a. Yes ✓
- b. No

Your answer is correct.

The correct answer is: Yes

Question 4

Correct

Mark 1.00
out of 1.00

Flag
question

Match the following:

| | | |
|-----------------|---|---|
| command < file | Command reads its input from file | ✓ |
| command > file | Output of command is redirected to file | ✓ |
| command >> file | Output of command is appended to file | ✓ |

Your answer is correct.

The correct answer is: command < file → Command reads its input from file, command > file → Output of command is redirected to file, command >> file → Output of command is appended to file

Question 5

Correct

Mark 1.00
out of 1.00

Flag
question

In cut, which two options come together?

Select one:

- a. -d, -c
- b. -d, -f ✓
- c. -c, -f

Your answer is correct.

The correct answer is: -d, -f

Question 6

Correct

Mark 1.00
out of 1.00

Flag question

In tee command, if the standard input was successfully copied to all output files, it returns _____

Select one:

- a. 0 ✓
- b. <0
- c. >0

Your answer is correct.

The correct answer is: 0

Question 7

Correct

Mark 1.00
out of 1.00

Flag question

What is the option in filter command grep, which removes any entries from the list by excluding any lines that start with a leading 'd'?

Select one:

- a. grep -i "d"
- b. grep -n "d"
- c. grep -v "d"
- d. grep -v "d" ✓

Your answer is correct.

The correct answer is: grep -v "d"

[Finish review](#)



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Started on: Monday, 17 February 2020, 9:00 PM

State: Finished

Completed on: Monday, 17 February 2020, 9:02 PM

Time taken: 2 mins 3 secs

Marks: 4.00/5.00

Grade: 80.00 out of 100.00

Feedback: Congratulations! You have passed by securing more than 80%.

Quiz navigation



Finish review

Question 1

Correct

Mark 1.00
out of 1.00

Flag
question

Which symbol is used in pipe command to group two commands?

Select one:

- a. | ✓
- b. ||
- c. /
- d. \

Your answer is correct.

The correct answer is: |

Question 2

Correct

Mark 1.00
out of 1.00

Flag
question

A pipe redirects the output of one command as an input to another command.

Select one:

- a. True ✓
- b. False

The correct answer is 'True'.

Question 3

Correct

Mark 1.00
out of 1.00

Flag
question

What command is used to check the current users?

Select one:

- a. who ✓
- b. sed
- c. grep
- d. ls

Your answer is correct.

The correct answer is: who

Question 4

Correct

Mark 1.00
out of 1.00

Flag
question

Which command will allow the user to search contents of a file for a particular pattern?

Select one:

- a. touch
- b. grep ✓
- c. find
- d. ls

Your answer is correct.

The correct answer is: grep

Question 5

Incorrect

Mark 0.00
out of 1.00

Flag
question

Code Fillup:

_____ is a form of interprocess communication.

Select one:

- a. none of these
- b. redirection
- c. reinsertion ✗
- d. redistribution

Your answer is incorrect.

The correct answer is: redirection

Finish review



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Started on: Monday, 17 February 2020, 9:14 PM

State: Finished

Completed on: Monday, 17 February 2020, 9:15 PM

Time taken: 12 secs

Marks: 2.00/2.00

Grade: 100.00 out of 100.00

Feedback: Congratulations! You have passed by securing more than 80%.

Quiz navigation



Show one page at a time

Finish review

Question

1

Correct

Mark 1.00
out of 1.00

Flag
question

Pick the odd man out:

Select one:

- a. more
- b. cat ✓
- c. head
- d. grep

Your answer is correct.

Using cat command, content of a file can be modified, but other commands won't effect the original file.

The correct answer is: cat

Question

2

Correct

Mark 1.00
out of 1.00

Flag
question

In Cut command, _____ option is used to identify the column, when the file has fixed length records.

Select one:

- a. -c ✓
- b. -s
- c. -d
- d. -f

Your answer is correct.

The correct answer is: -c

[Finish review](#)



Powered by [Tekstac](#)



Started on: Monday, 17 February 2020, 8:50 PM

State: Finished

Completed on: Monday, 17 February 2020, 8:51 PM

Time taken: 39 secs

Marks: 5.00/6.00

Grade: 83.33 out of 100.00

Feedback: Congratulations! You have passed by securing more than 80%.

Quiz navigation



Show one page at a time

Finish review

Question 1

Correct

Mark 1.00
out of 1.00

Flag
question

Which option will provide the current line number, along with the total number of lines in the file at the bottom of the screen?

Select one:

- a. `z`
- b. `^`
- c. `^g` ✓

Your answer is correct.

The correct answer is: `^g`

Question 2

Correct

Mark 1.00
out of 1.00

Flag
question

Which sed command deletes the specified address range?

Select one:

- a. `[address range]/p`
- b. `[address range]/y`
- c. `[address range]/s`
- d. `[address range]/d` ✓

Your answer is correct.

The correct answer is: `[address range]/d`

Question

3

Correct

Mark 1.00

out of 1.00

Flag

question

State True / False

In VI Editor the / command searches downwards in the file.

Select one:

a. True ✓

b. False

The correct answer is 'True'.

Question

4

Correct

Mark 1.00

out of 1.00

Flag

question

Which cursor movement command is used to move the cursor to the last line in file?

Select one:

a. \$<return> ✓

b. .<return>

c. 0<return>

Your answer is correct.

The correct answer is: \$<return>

Question

5

Correct

Mark 1.00

out of 1.00

Flag

question

The substitution command (s/) helps to quickly replace words or groups of words within your files.

Select one:

a. True ✓

b. False

The correct answer is 'True'.

Directions

6

Incorrect

Mark 0.00
out of 1.00

Flag
question

Which command is used to replace word 'cat' (already present in the file) with 'mouse' at all places in a file 'old.txt' and save the result in a new file 'new.txt'?

Select one:

- a. sed 's/cat/mouse' old.txt new.txt 
- b. sed 's/cat/mouse/g' old.txt > new.txt
- c. sed '/s/cat/mouse' old.txt > new.txt
- d. sed '/s/cat/mouse/g' old.txt new.txt

Your answer is incorrect.

The correct answer is: sed 's/cat/mouse/g' old.txt > new.txt

[Finish review](#)



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Started on: Monday, 17 February 2020, 8:37 PM

State: Finished

Completed on: Monday, 17 February 2020, 8:40 PM

Time taken: 3 mins 4 secs

Marks: 6.00/7.00

Grade: 85.71 out of 100.00

Feedback: Congratulations! You have passed by securing more than 80%.

Quiz navigation



Show one page at a time

Finish review

Question

1

Correct

Mark 1.00
out of 1.00

Flag
question

If no file is specified in sed command, then _____

Select one:

- a. sed command will not work.
- b. sed reads the data already present in buffer
- c. It is necessary to provide the filename
- d. sed reads from standard input ✓

Your answer is correct.

The correct answer is: sed reads from standard input

Question

2

Correct

Mark 1.00
out of 1.00

Flag
question

Match the following

- | | | |
|----|---------------------------------|---|
| yy | Copies the current line | ✓ |
| dd | Deletes the line | ✓ |
| cc | Removes the content of the file | ✓ |

Your answer is correct.

Question 3

Correct

Mark 1.00
out of 1.00

Flag
question

Code Fill up:

_____ command is used to close the vi editor.

Select one:

- a. :wq or :q ✓
- b. :q
- c. :wf
- d. :w

Your answer is correct.

The correct answer is: :wq or :q

Question 4

Correct

Mark 1.00
out of 1.00

Flag
question

sed maintains the hold space (a buffer) to _____

Select one:

- a. copy the each line of input
- b. save the data for later retrieval ✓
- c. both

Your answer is correct.

The correct answer is: save the data for later retrieval

Question 5

Correct

Mark 1.00
out of 1.00

Flag
question

which command searches the string in file opened in Vi editor?

Select one:

- a. / or ? ✓
- b. f or F
- c. t or T

Your answer is correct.

The correct answer is: / or ?

Question 6

Correct

Mark 1.00
out of 1.00

Flag
question

Which command sets the number for all lines?

Select one:

- a. :set nl
- b. :set ln
- c. :set ll
- d. :set nu ✓

Your answer is correct.

The correct answer is: :set nu

Question 7

Incorrect

Mark 0.00
out of 1.00

Flag
question

Which of the following statements is not true?

Select one:

- a. vi editor commands are not case sensitive
- b. vi stands for visual editor
- c. vim editor is the improved version of vi editor ✗
- d. vi editor has two modes of operation; command mode and insert mode

Your answer is incorrect.

The correct answer is: vi editor commands are not case sensitive.

Finish review



UNIX General Introduction to Unix File System Filters Vi Editor Bourne Shell Dashboard Help Desk FAQs Performance Dashboard

Started on Monday, 17 February 2020, 8:41 PM

State Finished

Completed on Monday, 17 February 2020, 8:45 PM

Time taken 4 mins 14 secs

Marks 1.71/2.00

Grade 85.71 out of 100.00

Feedback Congratulations! You have passed by securing more than 80%.

Quiz navigation

[Show one page at a time](#)[Finish review](#)**Question 1**

Correct

Mark 1.00 out of 1.00

 Flag question

Match the following:

| | | | |
|-----|---|----------------------------------|--|
| :wq | save & quit | <input checked="" type="radio"/> | |
| yy | yank | <input checked="" type="radio"/> | |
| dw | deletes from the character selected to the end of the word. | <input checked="" type="radio"/> | |
| L | moves the cursor to the last line of the screen. | <input checked="" type="radio"/> | |

Your answer is correct.

The correct answer is: wq → save & quit, yy → yank, dw → deletes from the character selected to the end of the word., L → moves the cursor to the last line of the screen.

Question 2

Partially correct

Mark 0.71 out of 1.00

 Flag question

Arrange the statement.

- \$ sed
- \$ ls
- UK/
- United Kingdom/

✓ g'

✗ > UK.txt

✗ Country.txt

Your answer is partially correct.

The correct order for these items is as follows:

1. \$ sed
2. 'a/
3. UK/
4. United Kingdom/
5. g'
6. Country.txt
7. > UK.txt

[Finish review](#)



Powered by Tekstac



Started on Sunday, 22 March 2020, 10:46 AM

State Finished

Completed on Sunday, 22 March 2020, 10:54 AM

Time taken 7 mins 43 secs

Marks 6.25/7.00

Grade 89.29 out of 100.00

Feedback Congratulations! You have passed by securing more than 80%.

Question 1

Correct

Mark 1.00 out of 1.00

Fillup

_____ command prints the lines between 5 and 10.

Select one:

- a. cat filename | head | tail -6 ✓
- b. cat filename | tail -5 | head -10
- c. cat filename | tail +5 | head
- d. cat filename | head | tail -5

Your answer is correct.

The correct answer is: cat filename | head | tail -6

Question 2

Partially correct

Mark 0.25 out of 1.00

Choose the correct option which matches with the given extended regular expression ab?c*

Select one or more:

- a. abc
- b. abbc
- c. acb
- d. abcde ✓

Your answer is partially correct.

You have correctly selected 1.

The correct answers are: abcde , acb , abc , abbc

 CorrectMark 1.00 out of
1.00

BASH shell stands for Bourne-again Shell.

Select one:

 True ✓ False

The correct answer is 'True'.

Question 4

Correct

Mark 1.00 out of
1.00

Predict the output of the following command: \$ echo "The process id is \$\$ \$\$"

Select one:

- a. The process id is \$\$
- b. The process id is \$\$\$
- c. The process id is \$<pid>\$<pid>
- d. The process id is <pid><pid> ✓

Your answer is correct.

The correct answer is: The process id is <pid><pid>

Question 5

Correct

Mark 1.00 out of
1.00

When the return value of any function is not specified within the function, what will it return?

Select one:

- a. none of the mentioned
- b. 0
- c. nothing
- d. exit status of the last command executed ✓

Your answer is correct.

The correct answer is: exit status of the last command executed

Question 6

Correct

Mark 1.00 out of
1.00

For every successful login, which script will be executed?

Select one:

- a. /etc/inittab
- b. /etc/profile ✓
- c. /etc/init
- d. /etc/login

Your answer is correct.

The correct answer is: /etc/profile

Correct

Mark 1.00 out of
1.00

```
$ pwd  
/home/user/project  
$ cd source  
$ cd code  
$ cd .  
$ pwd
```

Select one:

- a. ./home/user
- b. ./home/user/project/source/code ✓
- c. ./home/user/project/source
- d. ./home/user/project

Your answer is correct.

The correct answer is: ./home/user/project/source/code

Started on Friday, 21 February 2020, 6:39 PM

State Finished

Completed on Friday, 21 February 2020, 6:44 PM

Time taken 5 mins 4 secs

Marks 7.00/7.00

Grade 100.00 out of 100.00

Feedback Congratulations! You have passed by securing more than 80%.

Question 1

Correct

Mark 1.00 out of 1.00

Which of the following commands allows definition and assignment of environment variables under bash?

Select one:

- a. environ
- b. env ✓
- c. export
- d. setenviron

Your answer is correct.

The correct answer is: env

Question 2

Correct

Mark 1.00 out of 1.00

Which variable contains current shell process id?

Select one:

- a. \$*
- b. \$!
- c. \$?
- d. \$\$ ✓

Your answer is correct.

The correct answer is: \$\$

Question 3

Correct

Mark 1.00 out of 1.00

Which command can be used to test various file attributes?

Select one:

- a. file
- b. type
- c. test ✓
- d. if

Your answer is correct.

The correct answer is: test

Correct

Mark 1.00 out of
1.00

Shell is a wrapper for all the commands and utilities.

Select one:

 True ✓ False

The correct answer is 'True'.

Question 5

Correct

Mark 1.00 out of
1.00

Code Fillup

_____is NOT a valid variable in bash.

Select one:

- a. double underscore
- b. var1-var2 ✓
- c. _varname_
- d. _1var_name

Your answer is correct.

The correct answer is: var1-var2

Question 6

Correct

Mark 1.00 out of
1.00

Which variable is used to display number of arguments specified in command line?

Select one:

- a. \$*
- b. \$0
- c. \$?
- d. \$# ✓

Your answer is correct.

The correct answer is: \$#

Question 7

Correct

Mark 1.00 out of
1.00

How can you feed standard output of one command to standard input of another in a single shell session?

Select one:

- a. Named pipes can be used
- b. It cannot be done
- c. IO redirection can be used
- d. The pipe operator provided by the shell can be used ✓

Your answer is correct.

The correct answer is: The pipe operator provided by the shell can be used

Started on: Thursday, 27 February 2020, 12:40 AM

State: Finished

Completed on: Thursday, 27 February 2020, 12:42 AM

Time taken: 2 mins 31 secs

Marks: 3.00/3.00

Grade: 100.00 out of 100.00

Feedback: Congratulations! You have passed by securing more than 80%.

Quiz navigation



Show one page at a time

Finish review

Question

1

Correct

Mark 1.00
out of 1.00

Flag
question

Match the following:

The process number of the current shell

\$#

=



The exit status of the last command executed

\$?

=



The number of arguments

\$#

=



The filename of the current script

\$0

=



Your answer is correct.

The correct answer is: The process number of the current shell → \$\$; The exit status of the last command executed → \$?; The number of arguments → \$#; The filename of the current script → \$0

Question

2

Correct

Mark 1.00
out of 1.00

Flag
question

Arrange the code snippets.

✓. \$ name='Williams'

✓. \$ age=21

✓. echo "Student name is

Sname

. and age is

Sage*

Your answer is correct.

Question 3

Correct

Mark 1.00
out of 1.00

Flag question

What will be the output of the given code snippet?

-]S val1=10
-]S val2=9
-]S test \$val1 -gt \$val2; echo \$?
-]S [0] ✓

9 1 10

Your answer is correct.

The correct answer is:

What will be the output of the given code snippet?

-]S val1=10
-]S val2=9
-]S test \$val1 -gt \$val2; echo \$?
-]S [0]

[Finish review](#)

