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SR.NO	Project NAME	Technology
1	Online E-Learning Platform Hub	React+Springboot+MySQL
2	PG Mates / RoomSharing / Flat Mates	React+Springboot+MySQL
3	Tour and Travel management System	React+Springboot+MySQL
4	Election commition of India (online Voting System)	React+Springboot+MySQL
5	HomeRental Booking System	React+Springboot+MySQL
6	Event Management System	React+Springboot+MySQL
7	Hotel Management System	React+Springboot+MySQL
8	Agriculture web Project	React+Springboot+MySQL
9	AirLine Reservation System / Flight booking System	React+Springboot+MySQL
10	E-commerce web Project	React+Springboot+MySQL
11	Hospital Management System	React+Springboot+MySQL
12	E-RTO Driving licence portal	React+Springboot+MySQL
13	Transpotation Services portal	React+Springboot+MySQL
14	Courier Services Portal / Courier Management System	React+Springboot+MySQL
15	Online Food Delivery Portal	React+Springboot+MySQL
16	Muncipal Corporation Management	React+Springboot+MySQL
17	Gym Management System	React+Springboot+MySQL
18	Bike/Car ental System Portal	React+Springboot+MySQL
19	CharityDonation web project	React+Springboot+MySQL
20	Movie Booking System	React+Springboot+MySQL

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21	Job Portal web project	React+Springboot+MySql
22	LIC Insurance Portal	React+Springboot+MySql
23	Employee Management System	React+Springboot+MySql
24	Payroll Management System	React+Springboot+MySql
25	RealEstate Property Project	React+Springboot+MySql
26	Marriage Hall Booking Project	React+Springboot+MySql
27	Online Student Management portal	React+Springboot+MySql
28	Resturant management System	React+Springboot+MySql
29	Solar Management Project	React+Springboot+MySql
30	OneStepService LinkLabourContractor	React+Springboot+MySql
31	Vehical Service Center Portal	React+Springboot+MySql
32	E-wallet Banking Project	React+Springboot+MySql
33	Blogg Application Project	React+Springboot+MySql
34	Car Parking booking Project	React+Springboot+MySql
35	OLA Cab Booking Portal	React+NextJs+Springboot+MySql
36	Society management Portal	React+Springboot+MySql
37	E-College Portal	React+Springboot+MySql
38	FoodWaste Management Donate System	React+Springboot+MySql
39	Sports Ground Booking	React+Springboot+MySql
40	BloodBank mangement System	React+Springboot+MySql

41	Bus Tickit Booking Project	React+Springboot+MySQL
42	Fruite Delivery Project	React+Springboot+MySQL
43	Woodworks Bed Shop	React+Springboot+MySQL
44	Online Dairy Product sell Project	React+Springboot+MySQL
45	Online E-Pharma medicine sell Project	React+Springboot+MySQL
46	FarmerMarketplace Web Project	React+Springboot+MySQL
47	Online Cloth Store Project	React+Springboot+MySQL
48	Train Ticket Booking Project	React+Springboot+MySQL
49	Quizz Application Project	JSP+Springboot+MySQL
50	Hotel Room Booking Project	React+Springboot+MySQL
51	Online Crime Reporting Portal Project	React+Springboot+MySQL
52	Online Child Adoption Portal Project	React+Springboot+MySQL
53	online Pizza Delivery System Project	React+Springboot+MySQL
54	Online Social Complaint Portal Project	React+Springboot+MySQL
55	Electric Vehical management system Project	React+Springboot+MySQL
56	Online mess / Tiffin management System Project	React+Springboot+MySQL
57		React+Springboot+MySQL
58		React+Springboot+MySQL
59		React+Springboot+MySQL
60		React+Springboot+MySQL

Spring Boot + React JS + MySQL Project List

Sr.No	Project Name	YouTube Link
1	Online E-Learning Hub Platform Project	https://youtu.be/KMjyBaWmgzg?si=YckHuNzs7eC84-IW
2	PG Mate / Room sharing/Flat sharing	https://youtu.be/4P9clHg3wvk?si=4uEsi0962CG6Xodp
3	Tour and Travel System Project Version 1.0	https://youtu.be/-UHOBywHaP8?si=KHHfE_A0uv725f12
4	Marriage Hall Booking	https://youtu.be/VXz0kZQi5to?si=IiOS-QG3TpAFP5k7
5	Ecommerce Shopping project	https://youtu.be/vJ_C6LkhrZ0?si=YhcBylSErvdn7paq
6	Bike Rental System Project	https://youtu.be/FIzsAmIBCbk?si=7ujQTJqEgkQ8ju2H
7	Multi-Restaurant management system	https://youtu.be/pvV-pM2Jf3s?si=PgvnT-yFc8ktrDxB
8	Hospital management system Project	https://youtu.be/lynLouBZvY4?si=CXzQs3BsRkjKhZCw
9	Municipal Corporation system Project	https://youtu.be/cVMx9NVyl4I?si=qX0oQt-GT-LR_5iF
10	Tour and Travel System Project version 2.0	https://youtu.be/_4u0mB9mHxE?si=gDiAhKBowi2gNUKZ

Sr.No	Project Name	YouTube Link
11	Tour and Travel System Project version 3.0	https://youtu.be/Dm7nOdpasWg?si=P_Lh2gcOFhlyudug
12	Gym Management system Project	https://youtu.be/J8_7Zrkg7ag?si=LcxV51ynfUB7OptX
13	Online Driving License system Project	https://youtu.be/3yRzsMs8TLE?si=JRI_z4FDx4Gmt7fn
14	Online Flight Booking system Project	https://youtu.be/m755rOwdk8U?si=HURvAY2VnizlyJlh
15	Employee management system project	https://youtu.be/ID1iE3W_GRw?si=Y_jv1xV_BljhrD0H
16	Online student school or college portal	https://youtu.be/4A25aEKfei0?si=RoVgZtxMk9TPdQvD
17	Online movie booking system project	https://youtu.be/Lfjv_U74SC4?si=fiDvrhhrjb4KSISm
18	Online Pizza Delivery system project	https://youtu.be/Tp3izreZ458?si=8eWAOzA8SVdNwlyM
19	Online Crime Reporting system Project	https://youtu.be/0UlzReSk9tQ?si=6vN0e70TVY1GOwPO
20	Online Children Adoption Project	https://youtu.be/3T5HC2HKyT4?si=bntP78niYH802i7N



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General

Announcements

Demo Test - [Password : ...]

Sample Demo Test

0324 Lab Exam

0324 Internal Exam

0324_DBT_Quiz_3

Topic 4

Topic 5

Topic 6

Topic 7

Topic 8

Grade 9 out of 10 (90%)

Question 1

Complete

Mark 1 out of 1

Remove flag

Which one of the options given below refers to the degree (or arity) of relation in relational database systems?

- a. Number of attributes of its relation schema.
- b. Number of tuples stored in the relation.
- c. Number of entries in the relation.
- d. Number of distinct domains of its relation schema.

Question 2

Complete

Mark 1 out of 1

Flag question

Which statement is true about the WHERE clause in MySQL?

- a. It is used to sort the result set.
- b. It is used to filter rows based on specified conditions.
- c. It is used to perform arithmetic calculations.
- d. It is used to join multiple tables.

Question 3

Complete

Mark 0 out of 1

Remove flag

Which operation is used to extract specified columns from a table?

- a. Projection
- b. Join
- c. Extract
- d. Substitute

Question 4

Complete

Mark 1 out of 1

Flag question

_____ is used to select all values including null

- a. ALL
- b. *
- c. Includes
- d. Exist

Quiz navigation



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- Topic 7
- Topic 8

Question 5 Complete Mark 1 out of 1 Remove flag

Which choice is NOT a statement you would use to filter data?

- a. WHERE
- b. LIMIT
- c. GROUP BY
- d. LIKE

Question 6 Complete Mark 1 out of 1 Flag question

In order to undo the work of transaction after last commit which one should be used?

- a. View
- b. Commit
- c. Rollback
- d. Flashback

Question 7 Complete Mark 1 out of 1 Flag question

What does the ORDER BY clause do in MySQL?

- a. Groups rows based on specified criteria.
- b. Filters rows based on specified criteria.
- c. Sorts rows based on specified criteria.
- d. Combines rows into summary rows

Question 8 Complete Mark 1 out of 1 Remove flag

Which of the following represents the correct order of a SQL statement?

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

Question 9 Relational databases represent relationships using

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Question 7

Complete

Mark 1 out of 1

Flag question

What does the ORDER BY clause do in MySQL?

- a. Groups rows based on specified criteria.
- b. Filters rows based on specified criteria.
- c. Sorts rows based on specified criteria.
- d. Combines rows into summary rows

Question 8

Complete

Mark 1 out of 1

Remove flag

Which of the following represents the correct order of a SQL statement?

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

Question 9

Complete

Mark 1 out of 1

Remove flag

Relational databases represent relationships using ____

- a. Candidate Key
- b. Surrogate Key
- c. Foreign Key
- d. None of the above

Question 10

Complete

Mark 1 out of 1

Flag question

Which of the following SQL statements retrieves all columns from the "Employees" table where the "EmployeeName" starts with the letter 'a'?

- a. SELECT * FROM Employees WHERE EmployeeName LIKE 'a%'
- b. SELECT * FROM Employees WHERE EmployeeName = 'a%'
- c. SELECT * FROM Employees WHERE EmployeeName LIKE '%a%
- d. SELECT * FROM Employees WHERE EmployeeName = '%a%

Quiz navigation

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Grade 8 out of 10 (80%)

Question 1 Complete Mark 1 out of 1 Flag question

A parent process calling ____ system call will be suspended until children processes terminate.

a. exec
 b. wait
 c. exit
 d. fork

Question 2 Complete Mark 1 out of 1 Flag question

Which of the following is used to get the list of all positional parameters

a. \$#
 b. \$0
 c. \$*
 d. \$&

Question 3 Complete

Which of the following memory allocation scheme suffers from External fragmentation?

?

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**Question 3**

Complete

Mark 0 out of 1

[Flag question](#)

Which of the following memory allocation scheme suffers from External fragmentation?

- a. Pure demand paging
- b. Segmentation
- c. Paging
- d. Swapping

Question 4

Complete

Mark 1 out of 1

[Flag question](#)

In SDLC, during building phase, the programming code is generated as per _____

- a. SRS and BRS documents
- b. SRS and DDS documents
- c. BRS and DDS documents
- d. BRS documents only

Question 5

Complete

Which is True about Agile Methodology?





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**Question 5**

Complete

Mark 0 out of 1

[Flag question](#)

Which is True about Agile Methodology?

- a. Change prevention
- b. Detailed planning
- c. Command and control
- d. None of the Above

Question 6

Complete

Mark 1 out of 1

[Flag question](#)

An application that loads kernels into memory is known as a ____.

- a. ROM
- b. RAM
- c. BIOS
- d. BootStrap Loader

Question 7

Complete

In SDLC the which document consists of all the product requirements to be designed and developed during the project life cycle

Quiz navigation

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[Home](#) [Dashboard](#) [My courses](#)**Question 7**

Complete

Mark 1 out of 1

[Flag question](#)

In SDLC the which document consists of all the product requirements to be designed and developed during the project life cycle

- a. SRS
- b. BRS
- c. DDS
- d. Both BRS and DDS

Question 8

Complete

Mark 1 out of 1

[Flag question](#)

Well-engineered and crafted software is expected to have which characteristics

- a. Operational
- b. Transactional
- c. Maintenance
- d. Only B and C
- e. All of the above

Quiz navigation

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e. All of the above

Question 9
Complete
Mark 1 out of 1
Flag question

Which one of the following is a visual (mathematical) way to determine the deadlock occurrence?

a. resource allocation graph
b. starvation graph
c. inversion graph
d. none of the mentioned

Question 10
Complete
Mark 1 out of 1
Flag question

The main objectives of Git are -

a. speed
b. data integrity
c. support for distributed non-linear workflows
d. All of the above

Quiz navigation

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**Question 8**

Complete

Mark 1 out of 1

[Flag question](#)

Which of the following methods checks for object equivalence?

- a. contains()
- b. hashCode()
- c. equals(Object obj)
- d. '==' operator

Question 9

Complete

Mark 0 out of 1

[Flag question](#)

Because finalize() belongs to the java.lang.Object, it is present in all _____.

- a. Object
- b. Classes
- c. Methods
- d. None of the Above

Question 10

Complete

Mark 1 out of 1

[Flag question](#)

Which of the following is true about Java abstract classes? Pick one of the choices

- a. An abstract class can only have abstract methods.
- b. A class can extend multiple abstract classes.
- c. An abstract class cannot have variables declared inside the class.
- d. An abstract class can extend from a concrete class or from an abstract or non-abstract class.

[Finish review](#)**Quiz navigation**

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Time taken 10 mins 1 sec

Grade 5 out of 10 (50%)

Question 1

Complete

Mark 1 out of 1

Flag question

What will be output of below code?

```
class value
{
    public int i = 15;
}

public class test
{
    public static void main(String[] args)
    {
        test t = new test();
        t.first();
    }
}

public void first()
{
    int i = 5;
    value v = new value();
    v.i = 25;
    second(v, i);
}
```

Quiz navigation

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```
{  
    test t = new test();  
    t.first();  
}  
  
public void first()  
{  
    int i = 5;  
    value v = new value();  
    v.i = 25;  
    second(v, i);  
}  
  
public void second(value v, int i)  
{  
    i = 0;  
    v.i = 20;  
    value val = new value();  
    v = val;  
    System.out.println(v.i + " " + i);  
}
```

- a. 15 0
- b. 20 0
- c. 10 5
- d. 20

Quiz navigation

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**Question 2**

Complete

Mark 1 out of 1

Flag question

How do objects pass messages in java ?

- a. they pass messages by modifying each other's fields.
- b. they pass messages by modifying the static variables of each other's classes.
- c. they pass messages by calling each other's instance method
- d. they pass messages by calling static methods of each other's class

Question 3

Complete

Mark 1 out of 1

Flag question

Given the following:

```
public class test
{
    public static void main(String argv[])
    {
        boolean b1 = true;
        if ((b1 == true) || place(true))
            System.out.println("Hello Crowle");
    }
}

public static boolean place(boolean location)
{
    if (location == true)
    {
        System.out.println("Borcetshire");
    }
    System.out.println("Powick");
    return true;
}
```

Quiz navigation

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**Question 3**

Complete

Mark 1 out of 1

Flag question

Given the following:

```
public class test
{
    public static void main(String argv[])
    {
        boolean b1 = true;
        if ((b1 == true) || place(true))
            System.out.println("Hello Crowle");
    }
}
```

```
public static boolean place(boolean location)
{
    if (location == true)
    {
        System.out.println("Boracetshire");
    }
    System.out.println("Powick");
    return true;
}
```

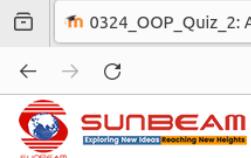
what will happen when you attempt to compile and run it?

- a. compile time error
- b. Output of "Hello Crowle"
- c. Output of Boracetshire and Powick followed by "Hello Crowle"
- d. No Output

Quiz navigation

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Question 4

Complete

Mark 0 out of 1

 Flag question

Suppose "Test1" is an abstract class, "Demo" is a concrete subclass of "Test1", and both "Test1" and "Demo" have a default constructor. Which of the following is correct?

1. Test1 a = new Demo();
 2. Test1 a = new Test1();
 3. Demo d = new Test1()
 4. Demo d = new Demo();

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

Question 5

Complete

Mark 0 out of 1

 Flag question

What is the output of the following code?

```
class Test
{
    Test(int i)
    {
        System.out.println("Test(" + i + ")");
    }
}
```

```
public class Q12
{
    static Test t1 = new Test(1);
    Test t2 = new Test(2);
    static Test t3 = new Test(3);
```

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

Quiz navigation

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**Question 5**

Complete

Mark 0 out of 1

[Flag question](#)

What is the output of the following code?

```
class Test
{
    Test(int i)
    {
        System.out.println("Test(" + i + ")");
    }
}
```

```
public class Q12
{
    static Test t1 = new Test(1);
    Test t2 = new Test(2);
    static Test t3 = new Test(3);
```

```
public static void main(String[] args)
{
    Q12 Q = new Q12();
}
```

- a. Test(1) Test(2) Test(3)
- b. Test(3) Test(2) Test(1)
- c. Test(2) Test(1) Test(3)
- d. Test(1) Test(3) Test(2)

Question 6

Objects are passed by value or reference?

**Quiz navigation**

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 Flag question

- b. align:center
- c. text-align:middle
- d. align:middle

Question 9

Complete

Mark 1 out of 1

 Flag question

Which function is used to convert a string to an integer in JavaScript?

- a. parseInt()
- b. toInteger()
- c. stringToInt()
- d. int()

Question 10

Complete

Mark 1 out of 1

 Flag question

Which of the following tags is used to create a list in HTML?

- a.
- b.
- c.
- d. Both a and c





0324_WPT_Quiz_1

Started on Friday, 26 April 2024, 6:49 PM

State Finished

Completed on Friday, 26 April 2024, 6:59 PM

Time taken 10 mins 1 sec

Grade 5 out of 10 (50%)

Question 1

Complete

Mark 1 out of 1

[Flag question](#)

From the given options which is/are the valid way to represent a color?

- a. A valid color name like "blue"
- b. HEX code like "#0000ff"
- c. RGB Value like "rgb(0,0,255)"
- d. All of the above

Question 2

Complete

Mark 1 out of 1

[Flag question](#)

What are the valid values of text-align property?

- a. left, middle, right
- b. left, center, right



**Question 2**

Complete

Mark 1 out of 1

[Flag question](#)

What are the valid values of text-align property?

- a. left, middle, right
- b. left, center, right
- c. left, center, right, justify
- d. left, middle, right, justify

**Question 3**

Complete

Mark 0 out of 1

[Flag question](#)

What does the following code output?

```
console.log(typeof typeof 1);
```

- a. "number"
- b. "string"
- c. "object"
- d. "undefined"

**Question 4**

Complete

Mark 0 out of 1



What is the output of the following JavaScript code?

```
<script>  
var a = 10 + 20 + "5";
```



**Question 4**

Complete

Mark 0 out of 1

Flag question

What is the output of the following JavaScript code?

```
<script>
var a = 10 + 20 + "5";
document.getElementById("demo").innerHTML = a;
</script>
```

- a. 35
- b. 305
- c. TypeError
- d. ValueError

Question 5

Complete

Mark 1 out of 1

Flag question

What is the output of the following JavaScript code?

```
<html>
<body>
<p id="demo"></p>
<script>
var a;
document.getElementById("demo").innerHTML = a+1;
</script>
</body>
</html>
```





Question 5

Complete

Mark 1 out of 1

 Flag question

What is the output of the following JavaScript code?

```
<html>
  <body>
    <p id="demo"> </p>
    <script>
      var a;
      document.getElementById("demo").innerHTML = a+1;
    </script>
  </body>
</html>
```

- a. 0
 - b. undefined
 - c. 1
 - d. NaN

Question 6

Complete

What is the output of `typeof null` in JavaScript?





Question 6

Complete

Mark 0 out of 1

Flag question

What is the output of `typeof null` in JavaScript?

- a. "object"
 - b. "string"
 - c. "null"
 - d. "undefined"

Question 7

Complete

Mark 0 out of 1

 Flag question

What is the use of "text-align:justify" in CSS?

- a. Stretches the lines so that each line has equal width
 - b. Stretches the lines so that each line can be arranged in left alignment
 - c. Stretches the lines so that each line can be arranged in right alignment
 - d. None of the above

Question 8

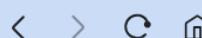
Complete

Mark 0 out of 1

Which CSS property and value is used to center an element?

- a. text-align:center



**Question 8**

Complete

Mark 0 out of 1

[Flag question](#)

Which CSS property and value is used to center an element?

- a. text-align:center
- b. align:center
- c. text-align:middle
- d. align:middle

Question 9

Complete

Mark 1 out of 1

[Flag question](#)

Which function is used to convert a string to an integer in JavaScript?

- a. parseInt()
- b. toInteger()
- c. stringToInt()
- d. int()

Question 10

Complete

Mark 1 out of 1

[Flag question](#)

Which of the following tags is used to create a list in HTML?

- a.
- b.



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Complete Mark 1 out of 1 Flag question

Question 4 Complete Mark 1 out of 1 Flag question

Quiz navigation 1 2 3 4 5 6 7 8 9 10 Show one page at a time Finish review

Looking at the code below, what does the console show?

```
const http = require('http');
const hostname = '127.0.0.1'; const port = 3000;
const server = http.createServer((req, res) => {
  res.statusCode = 200; res.setHeader("Content-Type", "text/plain"); res.end("Hello World\n");
});
server.listen(port, hostname, () => { console.log(`server running at http://${hostname}:${port}/`); });
```

A. server running at http://localhost:3000/ B. server running at port 3000 C. server running at http://localhost:4000/ D. server running at http://127.0.0.1:3000/ ?

102°F Sunny ENG IN 04:41 PM 07-05-2024 PRE

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Question 5
Complete
Mark 1 out of 1
Flag question

REPL Stands for

- A. Read Evaluate Print Loop
- B. Read Expression Print Loop
- C. Read Evaluate Put Loop
- D. Read Expression Put Loop

Question 6
Complete
Mark 1 out of 1
Flag question

What command would you use to count the number of logical CPUs on the machine that is running Node?

- A. os.cpus()
- B. os.archs()
- C. os.hostName()
- D. os.processors()

Quiz navigation

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Question 7

Complete

Mark 1 out of 1

Flag question

What does the code shown below do?

```
const fs = require('fs'); const os = require('os');

const system = os.platform(); const user = os.userInfo().username;

fs.appendFile('hello.txt', `Hello ${user} on ${system}`, (err) => { if (err) throw err; console.log('The data was appended to file!');

});
```

A. creates a text file hello.txt and appends customized text

B. creates an image file

C. console logs system information

D. creates a file named data and append numbers

Question 8

Complete

Mark 1 out of 1

Flag question

What is the Node LTS version?

A. It is the current unstable version and is to be avoided.

B. It is the version that will be retired soon.

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Question 8 Complete Mark 1 out of 1 Flag question

What is the Node LTS version?

- A. It is the current unstable version and is to be avoided.
- B. It is the version that will be retired soon.
- C. It is the version with the latest features for life time support.
- D. It is the safest version for long term support.

Question 9 Complete Mark 1 out of 1 Flag question

Which fs module method can be used to read the content of a file without buffering it in memory?

- A. read
- B. readfile
- C. createReadStream
- D. readFileSync

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Flag question

A. read
B. readFileSync
C. createReadStream
D. readFileSync

Question 10 Complete Mark 1 out of 1 Flag question

Which of the following modules is NOT a built-in module in Node?

A. os
B. http
C. mysql2
D. file

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Completed on Tuesday, 7 May 2024, 4:41 PM

Time taken 10 mins

Grade 9 out of 10 (90%)

Question 1

Complete

Mark 0 out of 1

Flag question

Can you create an https web server with Node.js using http module?

A. Yes

B. No

Question 2

Complete

Mark 1 out of 1

Flag question

How do you make an HTTP server object active and receive requests on certain ports?

A. server.run()

B. server.start()

C. server.listen()

D. server.activate()

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Question 3

Complete

Mark 1 out of 1

Flag question

How do you start a Node application, if the entry file is index.js?

- A. start index.js
- B. node index.js
- C. node start
- D. node init

Question 4

Complete

Mark 1 out of 1

Flag question

Looking at the code below, what does the console show?

```
const http = require('http');
const hostname = '127.0.0.1'; const port = 3000;
const server = http.createServer((req, res) => {
  res.statusCode = 200; res.setHeader("Content-Type", "text/plain"); res.end("Hello World\n");
});
server.listen(port, hostname, () => { console.log(`server running at http://${hostname}:${port}/`); });
```

- A. server running at http://localhost:3000/
- B. server running at port 3000
- C. server running at http://localhost:4000/

Quiz navigation

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Question 10

Complete

Mark 1 out of 1

 Flag question

What will be the output of the following C# code?

```
using System;namespace MyApplication {  
    class Program {  
        static void Main(string[] args) {  
            int a = 10, b=20;  
            Console.WriteLine("{0},{0}", a, b);  
        }  
    }  
}
```

- a. 10,20
 - b. 10,10
 - c. 20,20
 - d. Error



[Finish review](#)



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Duration / MINS 4 secs

Grade 8 out of 10 (80%)

Question 1

Complete

Mark 0 out of 1

Flag question

The _____ object of the _____ class needs to be initialized for discovering the attributes associated with a class?

- a. Assembly, System.Reflection
- b. MemberInfo, System.Reflection
- c. ConstructorInfo, System.Attribute
- d. All of the above

Question 2

Complete

Mark 1 out of 1

Flag question

What is the relationship between Common Type System (CTS) and Common Language Specification (CLS)?

- a. DotNET Languages each offer a subset of the CTS and a superset of the CLS.
- b. DotNET Languages each offer a superset of the CTS and a subset of the CLS.
- c. DotNET Languages each offer either the CTS set or the CLS set.
- d. DotNET Languages all offer the same superset of the CTS.

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Windows 10

WhatsApp

File

Task View

Chrome

Spotify

OneDrive

PowerShell

File Explorer

ENG IN

Wi-Fi

Speaker

Battery

05:27 PM

06-07-2024

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Question 3

Complete

Mark 1 out of 1

🚩 Flag question

The Startup class must include **main** method?

- a. Main
 - b. BuildWebHost
 - c. Configure
 - d. ConfigService

Question 4

Complete

Mark 1 out of 1

Flag question

Using which class we can dynamically load both private and shared assemblies from the local location to a remote location as well as, to explore its properties?

- a. FileInfo class
 - b. Assembly class
 - c. Both A and B
 - d. Attribute class

Question 5

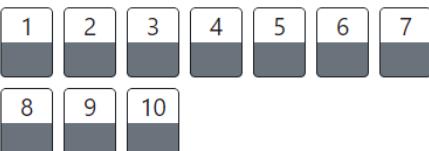
Complete

Mark 1 out of 1

The `[Serializable()]` attribute gets inspected at _____

- a. compile time

Quiz navigation



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Question 5

Complete

Mark 1 out of 1

Flag question

The [Serializable()] attribute gets inspected at _____

- a. compile time
- b. run time
- c. design time
- d. linking time

Question 6

Complete

Mark 0 out of 1

Flag question

Which is the correct syntax to add an event handler in ASP.Net?

- a. Attributes("Event","Javascript_Code();")
- b. Attributes.Handle("Event","Javascript_Code();")
- c. Attributes.Add("Event","Javascript_Code();")
- d. None of the above

Question 7

Complete

What is CLR in C#?

?

Quiz navigation

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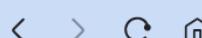
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Windows Taskbar icons: File Explorer, WhatsApp, File, Task View, Chrome, Spotify, Edge, File, Task View, File, Task View.

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**Question 7**

Complete

Mark 1 out of 1

[Flag question](#)

What is CLR in C#?

- a. It is a virtual machine component of Microsoft .NET Framework
- b. It is a virtual machine component of JVM
- c. It is a compiler to compile the C# code
- d. All of the above

Question 8

Complete

Mark 1 out of 1

[Flag question](#)

Which type of class does not have its own objects but acts as a base class for its subclass in C#?

- a. Abstract Class
- b. Static Class
- c. Sealed Class
- d. Protected Class

Question 9

Complete

Mark 1 out of 1

[Flag question](#)

To generate a simple notification for an object in runtime, the programming construct to be used for implementing this idea?



- a. namespace

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Question 9

Complete

Mark 1 out of 1

 Flag question

To generate a simple notification for an object in runtime, the programming construct to be used for implementing this idea?

- a. namespace
 - b. interface
 - c. delegate
 - d. attribute

Question 10

Complete

Mark 1 out of 1

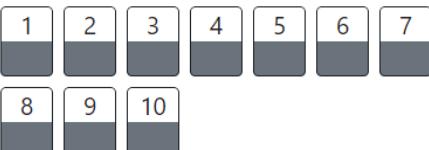
 Flag question

What will be the output of the following C# code?

```
using System;namespace MyApplication {  
    class Program {  
        static void Main(string[] args) {  
            int a = 10, b=20;  
            Console.WriteLine("{0},{0}", a, b);  
        }  
    }  
}
```



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c. Exception filters

d. Authorization filters

Question 9
Complete
Mark 0 out of 1
Flag question

Converting client request data (form values, route data, query string parameters, HTTP headers) into objects that the controller can handle is done by _____.

a. ViewBag

b. Query String

c. Cookies

d. Model Binding

Question 10
Complete
Mark 1 out of 1
Flag question

IoC is a _____?

a. Design Pattern

b. Design Principle

c. Framework

d. None of the above

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Status	Finished
Started	Saturday, 13 July 2024, 2:09 PM
Completed	Saturday, 13 July 2024, 2:19 PM
Duration	10 mins
Grade	7 out of 10 (70%)

Question 1
Complete
Mark 1 out of 1
[Flag question](#)

How do you manage states in asp.net application?

- a. Session Objects
- b. Application Objects
- c. Viewstate
- d. all of the above

Question 2
Complete
Mark 1 out of 1
[Flag question](#)

Select the correct statement about properties of read and write in C#.NET?

- a. A property can simultaneously be read or write only
- b. A property can be either read only or write only
- c. A write only property will only have get accessor

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Duration 10 mins

Grade 7 out of 10 (70%)

Question 1
Complete
Mark 1 out of 1
Flag question

How do you manage states in asp.net application?

- a. Session Objects
- b. Application Objects
- c. Viewstate
- d. all of the above

Question 2
Complete
Mark 1 out of 1
Flag question

Select the correct statement about properties of read and write in C#.NET?

- a. A property can simultaneously be read or write only
- b. A property can be either read only or write only
- c. A write only property will only have get accessor
- d. A read only property will only have set accessor

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Question 3

Complete

Mark 1 out of 1

Flag question

Strongly-typed views typically use ViewModel types, designed to contain the data, to display on that view. The _____ creates and populates these ViewModel instances from the _____.

- a. View, Controller
- b. Model, Controller
- c. View, Model
- d. Controller, Model

Quiz navigation

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Finish review

Question 4

Complete

Mark 1 out of 1

Flag question

If controller actions frequently perform the same kinds of actions, then we can move these common actions into _____.

- a. Model
- b. View
- c. Filters
- d. Helper Functions

?

Question 5

In ASP.Net MVC Core business logic along with any implementation logic for persisting the state of

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Question 5 Complete Mark 1 out of 1 Flag question

In ASP.NET MVC Core business logic along with any implementation logic for persisting the state of the application, should be encapsulated in _____.

a. Model
b. View
c. Controller
d. only C.

Question 6 Complete Mark 1 out of 1 Flag question

The route definitions are placed next to the _____ and _____ with which they're associated.

a. Model, View
b. Controller, Action
c. Action, Model
d. None of the above.

Question 7 Complete

C# class can inherit multiple _____?

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Question 7

Complete

Mark 0 out of 1

Flag question

C# class can inherit multiple _____?

- a. Class
- b. Interface
- c. Abstract class
- d. Static class

Question 8

Complete

Mark 0 out of 1

Flag question

_____ contain logic that is executed before and after a view is executed.

- a. Result filters
- b. Action filters
- c. Exception filters
- d. Authorization filters

Question 9

Complete

Mark 0 out of 1

Flag question

Converting client request data (form values, route data, query string parameters, HTTP headers) into objects that the controller can handle is done by _____.

- a. ViewBag

Quiz navigation

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Question 6

Complete

Mark 1 out of 1

Flag question

What is the intermediate sequence of array {10,4,43,5,57,91,45,9,7} after the third pass of bubble sort?

```
public static void bubbleSort(int arr[], int N)
{
    int passes = 0, comps = 0;
    for (int i = 1; i < N ; i++)
    {
        passes++;
        for (int j = 0; j < N - 1; j++)
        {
            comps++;
            if (arr[j] > arr[j + 1])
            {
                int temp = arr[j];
                arr[j] = arr[j + 1];
                arr[j + 1] = temp;
            }
        }
    }
}
```

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for (int j = 0; j < N - 1; j++)
{
 comps++;
 if (arr[j] > arr[j + 1])
 {
 int temp = arr[j];
 arr[j] = arr[j + 1];
 arr[j + 1] = temp;
 }
}
}

a. 4, 5, 10, 43, 45, 9, 7, 57, 91
b. 4, 10, 5, 43, 57, 45, 9, 7, 91
c. 4, 5, 10, 43, 9, 7, 45, 57, 91.
d. 4, 5, 9, 7, 10, 43, 45, 57, 91.

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Question 7

Complete

Mark 1 out of 1

Flag question

The number of comparisions require to sort the numbers 8, 22, 7, 9, 31, 5, 13 in ascending order, using improvedBubbleSort sort is:

```
public static void improvedBubbleSort(int arr[], int N) {  
    int passes = 0, comps = 0;  
    for (int i = 1; i < N; i++)  
    {  
        passes++;  
        for (int j = 0; j < N - i; j++)  
        {  
            comps++;  
            if (arr[j] > arr[j + 1])  
            {  
                int temp = arr[j];  
                arr[j] = arr[j + 1];  
                arr[j + 1] = temp;  
            }  
        }  
    }  
}
```

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```
for (int j = 0; j < N - i; j++)  
{  
    comps++;  
    if (arr[j] > arr[j + 1])  
    {  
        int temp = arr[j];  
        arr[j] = arr[j + 1];  
        arr[j + 1] = temp;  
    }  
}  
}  
}
```

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Question 8 Complete Mark 1 out of 1 Flag question

How can data structures be classified based on the organization of elements?

- a. By their method of traversal and access patterns.
- b. By their efficiency in memory usage.
- c. By their complexity in algorithmic operations.
- d. By their sequential or non-sequential order

Question 9 Complete Mark 1 out of 1 Flag question

The total number of comparisons in a bubble sort is

- a. $O(n \log n)$
- b. $O(2n)$
- c. $O(n^2)$ - (square root of n)
- d. $O(n)$

Question 10 Complete Mark 1 out of 1

Consider the following array. 5, 8, 2, 10, 3, 7, 1, 9. Which algorithm out of the following options uses the least number of comparisons (among the array elements) to sort above array in ascending order?

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The total number of comparisons in a bubble sort is ...

- a. $O(n \log n)$
 - b. $O(2n)$
 - c. $O(n^2)$ - (square root of n)
 - d. $O(n)$

Question 10

Complete

Mark 1 out of 1

 Flag question

Consider the following array. 5, 8, 2, 10, 3, 7, 1, 9. Which algorithm out of the following options uses the least number of comparisons (among the array elements) to sort above array in ascending order?

- a. Insertion sort
 - b. Selection sort
 - c. Bubble sort
 - d. B and C

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Grade 8 out of 10 (80%)

Question 1
Complete
Mark 1 out of 1
Flag question

In algorithmic complexity assessment, what does Big O notation primarily focus on?

a. Worst-case time complexity
 b. Best-case time complexity
 c. Average-case time complexity
 d. Space complexity

Question 2
Complete
Mark 1 out of 1
Flag question

What is the value of the postfix expression 7 3 2 4 + - *?

```
public static int postfixEvaluate(String postfix)
{
    Stack st = new Stack(20);
    for(int i = 0 ; i < postfix.length() ; i++)
    {
        char ele = postfix.charAt(i);
        if(Character.isDigit(ele))
            st.push(ele - '0');
```

?

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8 9 10

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else {
 int op2 = st.pop();
 int op1 = st.pop();
 int res = calculate(op1, ele, op2);
 st.push(res);
}
}
if(!st.isEmpty())
 return st.peek();
return 0;
}

Code with arrays.in 8007592194

Quiz navigation

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?

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Question 3 Complete Mark 0 out of 1 Flag question

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

- a. $AB+CD*E-FG-**/$
- b. $AB+CD*E--FG*/*$
- c. $AB+CD*E-*FG*/$
- d. $AB+CDE*--FG**/$

Question 4 Complete Mark 1 out of 1 Flag question

What is the time complexity of linear search in the worst-case scenario?

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

Question 5 Complete Mark 0 out of 1

The number of swappings needed to sort the numbers 4,6,7,3,3,4,9 in ascending order, using Selection sort is:

Quiz navigation 1 2 3 4 5 6 7 8 9 10

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Question 3 Complete Mark 0 out of 1 Flag question

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

- a. $AB+CD*E-FG-**/$
- b. $AB+CD*E--FG*/^$
- c. $AB+CD*E-*FG*/^$
- d. $AB+CDE*--FG**/$

Question 4 Complete Mark 1 out of 1 Flag question

What is the time complexity of linear search in the worst-case scenario?

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

Question 5 Complete Mark 0 out of 1

The number of swappings needed to sort the numbers 4,6,7,3,34,9 in ascending order, using Selection sort is:

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Question 5

Complete

Mark 0 out of 1

Flag question

The number of swappings needed to sort the numbers 4,67,3,34,9 in ascending order, using Selection sort is:

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

Question 6

Complete

Mark 1 out of 1

Flag question

What is the intermediate sequence of array {10,4,43,5,57,91,45,9,7} after the third pass of bubble sort?

```
public static void bubbleSort(int arr[], int N)
{
    int passes = 0, comps = 0;
    for (int i = 1; i < N ; i++)
    {
        passes++;
        for (int j = 0; j < N - 1; j++)
        {
            if (arr[j] > arr[j + 1])
            {
                int temp = arr[j];
                arr[j] = arr[j + 1];
                arr[j + 1] = temp;
                comps++;
            }
        }
    }
}
```

Quiz navigation

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Mark 1 out of 1

Question 8 Complete Mark 0 out of 1

What are the constant member functions?

a. Functions which doesn't change value of calling object
 b. Functions which doesn't change value of any object inside definition
 c. Functions which doesn't allow modification of any object of class
 d. Functions which doesn't allow modification of argument object

Question 9 Complete Mark 0 out of 1

The objects allocated using new operator _____

a. Are destroyed when they go out of scope
 b. Are not destroyed even if they go out of scope
 c. Are destroyed anytime
 d. None of Above

Question 10 Complete Mark 0 out of 1

if base class destructor is not virtual, then

a. it can not have a function body
 b. it can not be called
 c. it can not be called when accessed through a pointer
 d. destructor in derived class cannot be called when accessed through a pointer to the base class

Quiz navigation

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0324_CPP_Quiz_1: Attempt



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0324-PG-DAC (Karad) / 0324_CPP_Quiz_1

0324_CPP_Quiz_1

Started on Saturday, 23 March 2024, 6:48 PM

State Finished

Completed on Saturday, 23 March 2024, 6:58 PM

Time taken 10 mins 5 secs

Grade 8 out of 10 (80%)

Question 1

Complete

Mark 0 out of 1

Flag question

What is the purpose of using inline functions in C++?

- a. To avoid function calls
- b. To improve code readability
- c. To reduce the size of the program
- d. To enable function overloading

Question 2

Complete

Mark 1 out of 1

Flag question

Which of the following statement/s is/are false about constructor?

1. If we do not define constructor inside class then compiler generates default constructor for the class.
2. Compiler can provide default parameterized constructor.
3. We can declare constructor static, constant, volatile or virtual.
4. We can not call constructor on object, pointer or reference explicitly.

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

Question 3

Complete

Mark 1 out of 1

Flag question

What is the size of an empty class in C++?

- a. 0 bytes
- b. 1 byte
- c. 4 bytes
- d. 8 bytes

Quiz navigation

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Finish review



0324_CPP_Quiz_1: Attempt



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**Question 4**

Complete

Mark 1 out of 1

Flag question

What will be the output of the following C++ code?

```
#include <iostream>
using namespace std;
int fun(int x = 0, int y = 0, int z)
{
    return (x + y + z);
}
int main()
{
    cout << fun(10);
    return 0;
}
```

- a. 10
- b. 0
- c. Error
- d. Segmentation fault

Quiz navigation

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Sample Demo Test

0324 Lab Exam

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0324_CPP_Quiz_1

Topic 4

Topic 5

Topic 6

Topic 7

Topic 8

Question 5

Complete

Mark 0 out of 1

Flag question

Choose the correct option of structure in c or structure in cpp.

1. in cpp we can include the variables as well functions into the structure.
2. in c we can include only variables into the structure.
3. in c We need to pass a structure variable by value or by address to the functions.
4. in cpp the function inside the struct are called with the struct variable/pointer using DOT/Arrow operator.

- a. 1 and 4
- b. 1,2,4
- c. 1,3,4
- d. all of the above

Question 6

Complete

Mark 1 out of 1

Flag question

Correct syntax to allocate dynamic memory is

- a. int ptr = new int;
- b. int *ptr = new int;
- c. int &ptr = new int;



0324_CPP_Quiz_1: Attempt



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0324_CPP_Quiz_1

- Topic 4
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- Topic 7
- Topic 8

Question 7
Complete
Mark 1 out of 1
Flag question

We can not declare following function/s constant:

1. Global Function
2. Destructor
3. Static Member Function
4. Constructor

- a. 1 and 4
- b. 1,2,4
- c. 1,3,4
- d. all of the above

Question 8
Complete
Mark 1 out of 1
Flag question

Which of the following data types is used to store whole numbers in C++?

- a. float
- b. double
- c. int
- d. char

Question 9
Complete
Mark 1 out of 1
Flag question

What will be the output of the following C++ code?

```
#include <iostream>
using namespace std;
int fun(int = 0, int = 0);
int main()
{
    cout << fun(5);
    return 0;
}
int fun(int x, int y)
{
    return (x + y);
}
```

- a. -5
- b. 0

Quiz navigation

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Topic 6

Topic 7

Topic 8

Question 9

Complete

Mark 1 out of 1

Flag question

- c. int
- d. char

What will be the output of the following C++ code?

```
#include <iostream>
using namespace std;
int fun(int x = 0, int y = 0);
int main()
{
    cout << fun(5);
    return 0;
}
int fun(int x, int y)
{
    return (x + y);
}
```

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

Question 10

Complete

Mark 1 out of 1

Flag question

Which of the following statements about namespaces in C++ is true?

- a. Namespaces can be spread across multiple files and used to avoid naming conflicts
- b. Namespaces can only contain functions and variables
- c. Namespaces cannot be nested within each other
- d. Namespaces are used to create objects in C++

Finish review



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0324_CPP_Quiz_2: Attempt





Question 1
Complete
Mark 1 out of 1
[Flag question](#)

Which OOP concept is supported by the use of function overloading and default arguments in C++?

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

Question 2
Complete
Mark 1 out of 1
[Flag question](#)

What will be the output of the following C++ code?

```
#include <iostream>
using namespace std;
namespace Box1
{
    int a = 4;
}
namespace Box2
{
    int a = 13;
}
int main ()
{
    int a = 16;
    Box1::a;
    Box2::a;
    cout << a;
    return 0;
}
```

- a. 4
- b. 13
- c. 16
- d. Error

Quiz navigation

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Question 3
Complete
Mark 1 out of 1
[Flag question](#)

How do encapsulation and abstraction differ?

- a. Encapsulation is about binding data and methods together, while abstraction is about hiding implementation details.
- b. Encapsulation is about hiding implementation details, while abstraction is about binding data and methods together.

**Question 3**

Complete

Mark 1 out of 1

[Flag question](#)

How do encapsulation and abstraction differ?

- a. Encapsulation is about binding data and methods together, while abstraction is about hiding implementation details.
- b. Encapsulation is about hiding implementation details, while abstraction is about binding data and methods together.
- c. Encapsulation and abstraction are used interchangeably and have no distinct differences.
- d. Encapsulation and abstraction both refer to hiding implementation details

Question 4

Complete

Mark 1 out of 1

[Flag question](#)

Which programming concept allows a programmer to use an object of one class inside another class?

- a. Composition
- b. Inheritance
- c. Polymorphism
- d. Encapsulation

Question 5

Complete

Mark 1 out of 1

[Flag question](#)

Can a constructor function be constant?

- a. Yes, always
- b. Yes, only if permissions are given
- c. No, because there is no this pointer
- d. No, never

Question 6

Complete

Mark 1 out of 1

[Flag question](#)

How is run-time polymorphism implemented in C++?

- a. Using Templates
- b. Using Virtual functions
- c. Using Inheritance
- d. Using Inheritance and Virtual functions

Question 7

Which of the following statements about virtual functions in C++ is NOT true?

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**Question 7**

Complete

Mark 0 out of 1

[Flag question](#)

Which of the following statements about virtual functions in C++ is NOT true?

- a. Virtual functions are declared with the virtual keyword in a base class.
- b. Virtual functions can be used with inheritance to achieve runtime polymorphism.
- c. When derived class object is kept in base class pointer and through a base class pointer if virtual function is called then it always execute the base class implementation.
- d. Virtual functions allow derived classes to provide their own versions of a function inherited from the base class.

Question 8

Complete

Mark 0 out of 1

[Flag question](#)

What will be the output of the following C++ code?

```
#include <iostream>
using namespace std;
class Employee
{
    Employee() { cout << "Constructor called"; }
};
int main()
{
    Employee t1;
    return 0;
}
```

- a. Runtime Error - Ctor Inaccessible
- b. Constructor called
- c. Compiler Error - Ctor Inaccessible
- d. None of these

Question 9

Complete

Mark 1 out of 1

[Flag question](#)

Which of the following statements about constructors in C++ is NOT true?

- a. A constructor is a special member function of a class that is automatically called whenever an object of the class is created.
- b. A constructor does not have a return type (not even void).
- c. A constructor can take arguments to initialize the data members of the object.
- d. If parameterized constructor is given then there is no need to give parameterless constructor if we create object of class A as follow (A obj = new A());

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Question 8

}

- a. Runtime Error - Ctor Inaccessible
- b. Constructor called
- c. Compiler Error - Ctor Inaccessible
- d. None of these

Question 9[Complete](#)

Mark 1 out of 1

[Flag question](#)

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- a. A constructor is a special member function of a class that is automatically called whenever an object of the class is created.
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- d. If parameterized constructor is given then there is no need to give parameterless constructor if we create object of class A as follow (A obj = new A());

Question 10[Complete](#)

Mark 1 out of 1

[Flag question](#)

What will be the output of the following C++ code?

```
#include <stdio.h>
int main()
{
    char arr[30];
    int i;
    for (i = 0; i < 9; i++)
    {
        *(arr + i) = 65 + i;
    }
    *(arr + i) = '\0';
    printf("%s", arr);
    return 0;
}
```

- a. ABCDEFGHI
- b. ABCDEFGHIJ
- c. ABCDEFGH
- d. None of the above

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Completed on Saturday, 30 March 2024, 2:21 PM

Time taken 8 mins 44 secs

Grade 3 out of 10 (30%)

Question 1

Complete

Mark 0 out of 1

Flag question

Which of the following statements about the "this" pointer in C++ is correct?

- a. It is a constant pointer passed internally.
- b. It is a non-constant pointer passed internally.
- c. It is a constant pointer passed externally.
- d. It is a non-constant pointer passed externally.

Question 2

Complete

Mark 0 out of 1

Flag question

Which of the following supports dynamic method resolution?

- a. abstract
- b. virtual
- c. dynamic
- d. typeid

Question 3

Complete

Mark 1 out of 1

Flag question

What is the purpose of vptr (Virtual Pointer) in C++?

- a. It points to the virtual base class
- b. It points to the virtual function table
- c. It stores the address of the derived class
- d. It is used to create dynamic arrays

Quiz navigation

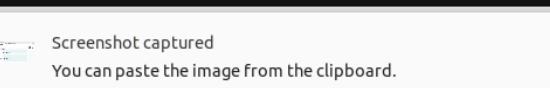
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Question 4
Complete
Mark 0 out of 1
[Flag question](#)

An inline function is expanded during _____

- a. compile-time
- b. run-time
- c. never expanded
- d. end of the program

Question 5
Complete
Mark 1 out of 1
[Flag question](#)

Which class destructor will be called first, when following code go out of scope? class PQR{}; class RST{}; class XYZ: public RST{}; PQR p; RST r; XYZ x;

- a. ~XYZ()
- b. ~RST()
- c. ~PQR()
- d. ~RST() and ~XYZ()

Question 6
Complete
Mark 0 out of 1
[Flag question](#)

A class becomes an abstract base class if:

- a. It can be instantiated.
- b. It has a virtual function.
- c. It has a pure virtual function.
- d. It has the keyword `abstract` preceding it.

Question 7
Complete
Mark 1 out of 1
[Flag question](#)

pointer to the base class can hold address of _____.

- a. only base class object
- b. only derived class object
- c. base class object as well as derived class object
- d. None of the above

Quiz navigation

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**Question 8**

Complete

Mark 1 out of 1

[Flag question](#)

Which of the following class in Java can be used to perform input and output operations on terminal, but does not support direct input reading from IDE

- a. Scanner
- b. Console
- c. BufferedReader
- d. InputStreamReader

Question 9

Complete

Mark 1 out of 1

[Flag question](#)

Which statement accurately describes the concepts of widening and narrowing in Java?

- a. Widening involves converting an object reference to a broader scope, while narrowing involves converting it to a narrower scope.
- b. Widening occurs when a class's methods become more general, while narrowing occurs when they become more specific.
- c. Widening refers to expanding the range of possible values of a variable, whereas narrowing refers to reducing the range of values.
- d. Widening entails converting a narrower data type to a broader one, while narrowing involves converting a broader data type to a narrower one.

Question 10

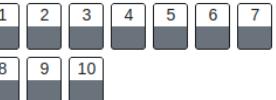
Complete

Mark 1 out of 1

[Flag question](#)

```
public class SqrtExample
{
    public static void main(String [] args)
    {
        double value = -9.0;
        System.out.println(Math.sqrt(value));
    }
}
```

- a. 3.0
- b. -3.0
- c. NaN
- d. Compilation fails

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

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0324_OOP_Quiz_1_Batch-1

Started on Saturday, 6 April 2024, 4:18 PM**State** Finished**Completed on** Saturday, 6 April 2024, 4:28 PM**Time taken** 10 mins 1 sec**Grade** 9 out of 10 (90%)**Question 1**

Complete

Mark 1 out of 1

[Flag question](#)

Static methods cannot be overridden since they get binded at _____ and method overriding relies on _____ at runtime.

- a. compile time, dynamic binding
- b. run time, early binding
- c. Both A and B
- d. None of the Above

Question 2

Complete

Mark 1 out of 1

[Flag question](#)

The Objects with the same attributes and behaviors are represented by a _____.

- a. `toString`
- b. getters and setters
- c. class
- d. All of the above

Question 3

Complete

Mark 1 out of 1

[Flag question](#)

In Java, which keyword is used to prevent inheritance of a class or to prevent overriding of a method?

- a. static
- b. final
- c. abstract
- d. private

Question 4

Complete

In Java, what is the purpose of packages?

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**Question 4**

Complete

Mark 1 out of 1

Flag question

In Java, what is the purpose of packages?

- a. To provide a way of organizing related classes and interfaces
- b. To provide a way of restricting access to certain class members
- c. To provide a way of defining constants
- d. To provide a way of defining global variables

Question 5

Complete

Mark 1 out of 1

Flag question

What is the result of this program?

```
class Over
{
    public static void main(String[] args)
    {
        Under u = new Under();
        u.test();
    }
    int test()
    {
        System.out.println("over");
        return 1;
    }
}
class Under extends Over
{
    short test()
    {
        super.test();
        System.out.println("Under");
        return 1;
    }
}
```

- a. This code compiles, runs and displays over followed by Under
- b. This code compiles, runs and displays Under followed by over
- c. This code does not compile
- d. Code will compile but gives runtime error

Quiz navigation

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**Question 6**

Complete

Mark 0 out of 1

[Flag question](#)

Which of the following is incorrect about final keyword in Java?

- a. To restrict change of object's state
- b. To restrict inheritance of a class
- c. To prevent a method from being overridden in subclasses
- d. To ensure a constructor cannot be called more than once

Question 7

Complete

Mark 1 out of 1

[Flag question](#)

Which of the following statements is INCORRECT regarding Instance initialization block?

- a. Instance blocks are executed for every created instance
- b. An instance block can initialize the class field
- c. A class can have more than one instance block
- d. Instance blocks are executed after constructors

Question 8

Complete

Mark 1 out of 1

[Flag question](#)

Which of the following class in Java can be used to perform input and output operations on terminal, but does not support direct input reading from IDE

- a. Scanner
- b. Console
- c. BufferedReader
- d. InputStreamReader

Question 9

Complete

Mark 1 out of 1

[Flag question](#)

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Question 10

```
public class SqrtExample
```

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`<jsp:setProperty name="p" property="name" value="Nilesh" />
<jsp:useBean id="p" class="com.sunbeam.Person" scope="request"/>
<jsp:setProperty name="p" property="name" value="Nitin" />
${p.name}`

a. Nilesh
 b. Nitin
 c. Prashant
 d. Error

Question 10
Complete
Mark 0 out of 1
[Flag question](#)

Assuming Person is a bean class with a "name" property. "p" is session scoped bean of Person type. Which of the following code may produce different output?

a. \${sessionScope.p.name}
 b. <%= session.getAttribute("p").getName() %>
 c. \${sessionScope.p.getName()}
 d. \${p.getName()}

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Grade 6 out of 10 (60%)

Question 1
Complete
Mark 1 out of 1
Flag question

Assuming Person is a bean class with a "name" property, which of the following code in page3.jsp will produce output "Nitin" ?

Page requested by client is page1.jsp.

```
//page1.jsp
<jsp:useBean id="p" class="com.sunbeam.Person" scope="request"/>
<jsp:setProperty name="p" property="name" value="Prashant" />
<jsp:forward page="page2.jsp"/>
//page2.jsp
<jsp:useBean id="p" class="com.sunbeam.Person" scope="session"/>
<jsp:setProperty name="p" property="name" value="Nilesh" />
<c:redirect url="page3.jsp"/>
//page3.jsp
<jsp:useBean id="p" class="com.sunbeam.Person" scope="application"/>
<jsp:setProperty name="p" property="name" value="Nitin" />
```

Output: <%-- Which code to write here? --%>

a. \${p.name}
 b. \${application.p.name}
 c. \${servletContext.p.name}
 d. \${applicationScope.p.name}

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Question 2

Complete

Mark 1 out of 1

Flag question

In my first JSP page there is an hyperlink [Next](next.jsp?key1=value1&key2=value2). How to access value for key2 and its data type in next.jsp?

a. request.getParameter("key2"), Object type.

b. \${param.key2}, Object type.

c. request.getAttribute("key2"), Object type.

d. \${param.key2}, String type.

Question 3

Complete

Mark 0 out of 1

Flag question

Assuming Person is a bean class with a "name" property, what will be the output if this code is written in JSP pages as follows?

Page requested by client is page1.jsp.

```
//page1.jsp
<jsp:useBean id="p" class="com.sunbeam.Person" scope="request"/>
<jsp:setProperty name="p" property="name" value="Prashant" />
<jsp:forward page="page2.jsp"/>
//page2.jsp
<jsp:useBean id="p" class="com.sunbeam.Person" scope="session"/>
<jsp:setProperty name="p" property="name" value="Nilesh" />
<c:redirect url="page3.jsp"/>
//page3.jsp
```

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Question 3

Complete

Mark 0 out of 1

Flag question

Assuming Person is a bean class with a "name" property, what will be the output if this code is written in JSP pages as follows?

Page requested by client is page1.jsp.

```
//page1.jsp
<jsp:useBean id="p" class="com.sunbeam.Person" scope="request"/>
<jsp:setProperty name="p" property="name" value="Prashant" />
<jsp:forward page="page2.jsp"/>
//page2.jsp
<jsp:useBean id="p" class="com.sunbeam.Person" scope="session"/>
<jsp:setProperty name="p" property="name" value="Nilesh" />
<c:redirect url="page3.jsp"/>
//page3.jsp
<jsp:useBean id="p" class="com.sunbeam.Person" scope="application"/>
<jsp:setProperty name="p" property="name" value="Nitin" />
Output: ${p.name}
```

a. Nilesh

b. Nitin

c. Prashant

d. Error

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Question 4

Complete

Mark 0 out of 1

 Flag question

Assuming Person is a bean class with a "name" property, what will be the output if this code is written in JSP pages as follows?

Page requested by client is page1.jsp.

//page1.jsp

```
<jsp:useBean id="p" class="com.sunbeam.Person" scope="request"/>
<jsp:setProperty name="p" property="name" value="Prashant" />
<jsp:forward page="page2.jsp"/>
//page2.jsp
<jsp:useBean id="p" class="com.sunbeam.Person" scope="session"/>
<jsp:setProperty name="p" property="name" value="Nilesh" />
<jsp:forward page="page3.jsp"/>
//page3.jsp
<jsp:useBean id="p" class="com.sunbeam.Person" scope="application"/>
<jsp:setProperty name="p" property="name" value="Nitin" />
Output: ${p.name}
```

- a. Nilesh
 - b. Nitin
 - c. Prashant
 - d. Error

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Question 5

Complete

Mark 1 out of 1

Flag question

If JSP page is declared with <%@ page isErrorPage="true" %>, which "additional" implicit object will be available in JSP?

- a. request
- b. response
- c. exception
- d. error

Question 6

Complete

Mark 1 out of 1

Flag question

I have implemented a custom SimpleTag in a JSP page. In which sequence its life cycle methods will be called?

- a. setJspBody(), setJspContext(), setParent(), doTag()
- b. setParent(), setJspBody(), setJspContext(), doTag()
- c. setJspContext(), setParent(), setJspBody(), doTag()
- d. setJspContext(), setParent(), doTag(), setJspBody()

Question 7

An JSP page is forwarding request to another page using `jsp:forward` with `jsp:param` to send

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Question 7 Complete Mark 1 out of 1 Flag question

An JSP page is forwarding request to another page using jsp:forward with jsp:param to send additional data. In the next page, how that data can be accessed?

- a. \${requestScope.key}
- b. \${param.key}
- c. \${response.key}
- d. \${request.key}

Question 8 Complete Mark 1 out of 1 Flag question

JSP EL auto search an object into scopes in which order?

- a. applicationScope, sessionScope, requestScope, pageScope
- b. pageScope, requestScope, sessionScope, applicationScope
- c. requestScope, pageScope, sessionScope, applicationScope
- d. None of these

Question 9 Complete

Assuming Person is a bean class with a "name" property, what will be the output if this code is written in a JSP? ?

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Question 9

Complete

Mark 0 out of 1

Flag question

Assuming Person is a bean class with a "name" property, what will be the output if this code is written in a JSP?

```
<jsp:useBean id="p" class="com.sunbeam.Person" scope="application"/>
<jsp:setProperty name="p" property="name" value="Prashant" />
<jsp:useBean id="p" class="com.sunbeam.Person" scope="session"/>
<jsp:setProperty name="p" property="name" value="Nilesh" />
<jsp:useBean id="p" class="com.sunbeam.Person" scope="request"/>
<jsp:setProperty name="p" property="name" value="Nitin" />
${p.name}
```

a. Nilesh
b. Nitin
c. Prashant
d. Error

Quiz navigation

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Question 10

Complete

Mark 0 out of 1

Flag question

Assuming Person is a bean class with a "name" property. "p" is session scoped bean of Person type. Which of the following code may produce different output?

a. \${sessionScope.name}

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Question 9

Complete

Mark 0 out of 1

Flag question

What happens if HttpServlet.init(config) is not called from user servlet's init()?

- a. Calling super.init(config) is optional. User servlet works well.
- b. ServletConfig object is not attached to the user servlet object.
- c. The user servlet's init() fails with ServletException.
- d. The user servlet's init() succeed, but its service() fails with ServletException.

Question 10

Complete

Mark 1 out of 1

Flag question

Which of the following object is not accessible in regular JSP pages? application, session, exception, request, response, config, out?

- a. application
- b. session
- c. exception
- d. config

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Grade 6 out of 10 (60%)

Question 1
Complete
Mark 1 out of 1
Flag question

Arrange JSP EL scopes in lowest to highest order.

- a. page, request, session, application
- b. request, page, session, application
- c. page, session, request, application
- d. application, session, request, page

Question 2
Complete
Mark 1 out of 1
Flag question

Which JSTL tag will be used to implement if-else ladder?

- a. c:if and c:else
- b. c:choose and c:when
- c. c:elseif and c:test
- d. None of these

Question 3
Complete

What is true about Java EE listeners?

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Question 3

Complete

Mark 1 out of 1

Flag question

What is true about Java EE listeners?

- a. ServletContextListener.contextInitialized() is executed once for a web application.
- b. HttpSessionListener.sessionCreated() is executed when HttpSession is created first time for each user.
- c. HttpSessionListener.sessionDestroyed() is executed when HttpSession of user is invalidated or timed out.
- d. All of these

Question 4

Complete

Mark 0 out of 1

Flag question

Arrange phases of maven default life cycle in order of execution.

- a. compile, validate, test, package, install
- b. compile, test, package, validate, install
- c. validate, compile, test, package, install
- d. install, validate, compile, test, package

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Question 5

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Question 5

Complete

Mark 1 out of 1

Flag question

What is true about Java EE filters?

- a. Filters are configured with @WebFilter attribute or tag in web.xml.
- b. Multiple filters can be implemented for the same URL. They will be executed in sequence in which they are declared in web.xml.
- c. Filters enable to implement additional functionalities like transaction management, security, monitoring, etc.
- d. All of these

Question 6

Complete

Mark 1 out of 1

Flag question

What happens if ServletException is thrown from servlet's init() method?

- a. Web server shutdown.
- b. Web application stops.
- c. The servlet is considered failed, and further life cycle methods are not executed on the servlet.
- d. None of these

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Question 7

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Question 7

Complete

Mark 0 out of 1

Flag question

How controller transfers request to the next web component?

- a. redirect
- b. forward
- c. include
- d. method call

Question 8

Complete

Mark 0 out of 1

Flag question

In which scenario, you will prefer to have different implementation of servlet's doGet() and doPost() method?

- a. Display a record
- b. Add new record
- c. Update a record
- d. Display record list

Question 9

Complete

Mark 0 out of 1

What happens if HttpServlet.init(config) is not called from user servlet's init()?

- a. Calling super.init(config) is optional. User servlet works well.

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