

Question Results

Score 1.00 of 1

Question:

When the switch statement matches the expression with the given labels, how is the comparison done?

Response:

- ☒ Both the datatype and the result of the expression are compared
- ☐ Only the datatype of the expression is compared
- ☐ Only the value of the expression is compared
- ☐ None of the above

Score 1.00 of 1

Question:

What will be the output of the following code snippet?
`a = [1, 2, 3, 4, 5]; print(a.slice(2, 4));`

Response:

- ☒ 3, 4
- ☐ 2, 3
- ☐ 3, 4, 5
- ☐ 2, 3, 4

Score 1.00 of 1

Question:

What will be the output of the following code snippet?
`<script type="text/javascript" language="javascript"> var x=12; var y=8; var res=eval("x+y"); document.write(res); </script>`

Response:

- ☒ 20
- ☐ x+y
- ☐ 128
- ☐ None of the above

Score 1.00 of 1

Question:

What will be the output of the following code snippet?
`let sum = 0; const a = [1, 2, 3]; a.forEach(getSum); print(sum); function getSum(ele) { sum += ele; }`

Response:

- ☒ 6
- ☐ 1

2

None of the above

Score 1.00 of 1


Question:

What will be the output of the following code snippet?
`(function(){
 setTimeout(()=> console.log(1),2000);
 console.log(2);
 setTimeout(()=> console.log(3),0);
 console.log(4);
})();`

Response:

1 2 3 4

2 3 4 1

 2 4 3 1


4 3 2 1

Score 1.00 of 1

Question:

What will be the output of the following code snippet?
`var a = Math.max() < Math.min();
var b = Math.max() > Math.min();
print(a);
print(b)`

Response:

 true false

false true

true true

false false

Score 1.00 of 1


Question:

Which of the following methods is used to access HTML elements using Javascript?

Response:

getElementbyid()

getElementsByClassName()

 Both A & B

None of the above

Score 1.00 of 1

Question:

The loop will run 3 times, before meeting the exit condition. First value of b will be $2 * 2 = 4$, followed by $4 + 3 * 2 = 10$, and then value of $10 + 4 * 2 = 18$.

Response:

It will debug all the errors in the program at runtime



It acts as a breakpoint in a program

It will debug error in the current statement if any

All of the above

Score 1.00 of 1

Question:

Upon encountering empty statements, what does the Javascript Interpreter do?

Response:

Throws an error



Ignores the statements

Gives a warning

None of the above

Score 1.00 of 1

Question:

What will be the output of the following code snippet? `<script type="text/javascript">a = 5 + "9";document.write(a);</script>`

Response:

Compilation Error

14

Runtime Error



59

Score 1.00 of 1

Question:

What will be the output of the following code snippet? `(function(a){ return (function(){ console.log(a); a = 6; })() })(21);`

Response:

6

NaN



21


None of the above

Score 1.00 of 1


Question:

What will be the output of the following code snippet? `function solve(arr, rotations){ if(rotations == 0) return arr; for(let i = 0; i < rotations; i++){ let element = arr.pop(); arr.unshift(element); } return arr;}// solve([44, 1, 22, 111], 5);`

Response:

 [111, 44, 1, 22]

[44, 1, 22, 111]

 [111, 44, 1, 22]

[1, 22, 111, 44]

Score 1.00 of 1


Question:

What does the 'toLocaleString()' method do in JS?

Response:

Returns a localised object representation

Returns a parsed string

 Returns a localized string representation of an object

None of the above

Score 1.00 of 1

Question:

What will be the output of the following code snippet?
`var a = true + true + true * 3; print(a)`

Response:

3

0

Error

 5

Score 1.00 of 1

Question:

What will be the output of the following code snippet?
`print(typeof(NaN));`

Response:

Object

 Number

String

None of the above

Score 1.00 of 1

Question:

What is the output of the following code snippet?
`print(NaN === NaN);`

Response:

TRUE

 FALSE

undefined

Error

Score 1.00 of 1


Question:

When an operator's value is NULL, the typeof returned by the unary operator is:

Response:

Boolean

Undefined

 Object

Integer

Score 1.00 of 1

Question:

What will be the output for the following code snippet?<p id="example"></p> <script> function Func() { document.getElementById("example").innerHTML=Math.sqrt(81); } </script>

Response:

 9

81

Error

0

Score 1.00 of 1

Question:

What will be the output of the following code snippet? <script type="text/javascript" language="javascript"> var a = "Scaler";var result = a.substring(2, 4);document.write(result); </script>

Response:

 al

ale

cal


caler

Score 1.00 of 1

Question:

What will be the output of the following code snippet?var a = 1; var b = 0; while (a <= 3) { a++; b += a * 2; print(b);}

Response:

 4 10 18

1 2 3

1 4 7

None of the above

Question Results

Score 1.00 of 1

Question:

Given the following definition of a class, which fields are accessible from outside the package `com.corporation.project`?

```
package com.corporation.project;
public class MyClass {
    int i;
    public int j;
    protected int k;
    private int l;
}
```

Response:

- ☒ Field j is accessible in all classes in other packages
- ☐ Field i is accessible in all classes in other packages
- ☐ Field k is accessible in all classes in other packages
- ☐ Field l is accessible in all classes in other packages
- ☐ Field l is accessible in subclasses only in other packages.

Score 1.00 of 1

Question:

Which are valid steps to take to enable JPA in spring boot

Response:

- ☐ Add `@EnableJPAEntities` to configuration class
- ☒ Add an `@EnableJPARepositories` annotation to configuration class
- ☐ Add `@EnableDbFunctionalities` annotation to configuration class
- ☐ Add `@InitJPAEntities` to configuration class
- ☐ none of the above

Score 1.00 of 1

Question:

What is `DispatcherServlet`

Response:

- ☐ The `DispatcherServlet` API assigns a separate web servlet node to each additional HTTP request that comes into the web server
- ☒ It is a servlet that dispatches `HttpRequests` to registered handler/controllers for processing
- ☐ It is a servlet used for security
- ☐ It is used to process REST requests
- ☐ none of the above


Score 1.00 of 1

Question:

What is the purpose of Spring IoC container

Response:

IT allows front-end code to manage the ResponseBody objects provided by a backend-rest API

 It instantiates and configure objects, supplied at runtime, to classes that define them as dependency

It allows database to define business objects via a shared schema at compile time

It facilitates a remote server to configure a local application

none of the above

Score 1.00 of 1

Question:

Which property of spring boot is used to change port of a spring application

Response:

 server.port

spring.port

port

server

server.spring.port

Score 1.00 of 1

Question:

How many objects will be created in the following?
`String a = new String("Interviewbit"); String b = new String("Interviewbit"); String c = "Interviewbit"; String d = "Interviewbit";`

Response:

 3

2

4

5

1

Score 1.00 of 1


Question:

Look at the below given code
`@Entity@Table(name = "EMPLOYEE")@Access(value=AccessType.FIELD)public class Employee { @Id@GeneratedValue(strategy = GenerationType.IDENTITY)@Column(name = "emp_id")private long id;@Column(name = "emp_name")private String name;@OneToOne(mappedBy = "employee")@Cascade(value = org.hibernate.annotations.CascadeType.ALL)private Address address; //getter setter methods }`
which of the statement are correct regarding above code

Response:

A table Employee will be generated with no column

A table employee will be generated with name column

 A table with name Employee will be generated having attributes id and name having OneToOne relation with Address entity

A table Employee will be generated with id column

no table will be generated


Score 1.00 of 1

Question:

```
package samplequestions;public class Sample {public static void  
main(String[] args) {// TODO Auto-generated method stubint[] x = {120,  
200, 016}; for(int i = 0; i < x.length; i++){ System.out.print(x[i] + "  
");}}}
```

Response:

120 200 16

 120 200 14

120 200

200 16

12 16

Score 1.00 of 1

Question:


Identify the infinite loop.

Response:

for(;;)

for(int i=0;i<=0;i--)

for(int i=0;;i++)

 All of the above


none of the above

Score 1.00 of 1

Question:

```
Predict the output of below codepackage samplequestions;public class  
Sample {public static void main(String[] args) {int count = 0;do{  
System.out.println("Interviewbit"); count++;} while(count < 10);}}
```

Response:

 Interviewbit will be printed 10 times

Interviewbit will be printed 11 times

Interviewbit will be printed 09 times

Interviewbit will be printed 11 times

compile time error

Score 1.00 of 1


Question:

Core Java Multiple Choice Questions # 33) What will be the result of attempting to compile the following program?

```
public class MyClass {long var;public void MyClass(long param) { var = param; } //(1)public static void main(String[] args) {MyClass a,b;a = new MyClass(); //(2)b = new MyClass(5); //(3)}}
```

Response:

A compilation ERROR will occur at (1), since constructors cannot specify a return value

 A compilation error will occur at (3), since the class does not have a constructor which takes one argument of type int

A compilation error will occur at (2), since the class does not have a default constructor

The program will compile correctly

The program will compile and execute correctly.


Score 1.00 of 1

Question:

What does the following string do to given string str1.

```
String str1 = "Interviewbit".replace('e','s');
```

Response:

 replaces all occurrences of e to s

replaces single occurrences of e to s

replace single occurrence of s to e

compile time error

run time error


Score 1.00 of 1

Question:

Predict the output of below code

```
package samplequestions;public class Sample {public static void main(String[] args) {int[] a = {0,2,4,1,3};for(int i = 0; i < a.length; i++){ a[i] = a[(a[i] + 3) % a.length];} for(int i=0;i<a.length;i++) { System.out.println(a[i]);}}}
```

Response:

 1 1 4 3 1

1 4 3 1 1

1 4 1 3 1

1 1 1 1 1

144 331

Score 1.00 of 1

Question:

what is the error in the following class definitions?
`abstract class xy{abstract sum (int x, int y) { }}`

Response:

- ☐ class cannot be abstract
- ☒ abstract method cannot have body
- ☐ method cannot be abstract
- ☐ we cannot have abstract method inside abstract class
- ☐ none of the above

Score 1.00 of 1

Question:

Which one of the following class definitions is a valid definition of a class that cannot be instantiated?

Response:

- ☒ `abstract class Ghost{void haunt() { }};`
- ☐ `class Ghost{abstract void haunt();}`
- ☐ `abstract class Ghost{void haunt();}`
- ☐ `abstract Ghost{abstract void haunt();}`
- ☐ `static class Ghost{abstract haunt();}`

Score 1.00 of 1

Question:

What is RESTful web service

Response:

- ☒ Representational state transfer an architectural style for creating a web service that includes client server architecture ,stateless ,cacheability,a layered system and a uniform interface
- ☐ Reactive enterprises status transfer is an architectural style for creating a web service that includes client server architecture ,stateless ,cacheability,a layered system and a uniform interface
- ☐ Redundant enumerative state transfer is an architectural style for creating a web service that includes client server architecture ,stateless ,cacheability,a layered system and a uniform interface
- ☐ Reactive enumerative state transfer is an architectural style for creating a web service that includes client server architecture ,stateless ,cacheability,a layered system and a uniform interface
- ☐ none of the above

Score 1.00 of 1

Question:

Look at the code below @Entitypublic class User { @Id
@GeneratedValue(strategy = GenerationType.AUTO) private Long id;
private String firstName; private String lastName; // TODO} what will
the Id annotation do

Response:

mark class as entity



mark id attribute as primary key

mark entire class as Embeddable

it is a mandatory annotation for class and can be kept over any attribute

It is an optional annotation

Score 0.00 of 1

Question:

String s1 = " yes" ;String s2 = " yes " ;String s3 = new String (s1);
as per above code ,which of the above statements are correct

Response:



s1==s2

s1!=s2

s1=s2

s1==s3

s2==s3

Score 0.00 of 1

Question:

What's true about the following @Entity association between House and
Window?@Entitypublic class Window { @Idprivate int
winNo;@ManyToOneprivate House aHouse;}@Entitypublic class House
{ @Idprivate int houseNo;@OneToMany(mappedBy="aHouse")private List
windows;

Response:

It's OneToMany unidirectional association

The association owner is the House class

The association owner is the Window class

The association owner is the Window class


none of the above

Score 1.00 of 1

Question:

What does ViewResolver do

Response:

-  It generates a view by mapping a logical view name returned by a controller method to a view technology
- It supports internationalization of web applications by detecting a user's locale
- It creates a unique view determined by the user's browser type ,supporting cross browser compatibility
- It maps custom parameter to SQL views in database
- none of the above


Score 1.00 of 1

Question:

Predict the output of below code

```
package samplequestions;
public class Sample {
    public static void main(String[] args) {
        // TODO Auto-generated method stub
        byte x = 127;
        x++;
        x++;
        System.out.print(x);
    }
}
```

Response:


- 127
-  -127
- 0
- 1
- compile time error

Score 1.00 of 1

Question:

Which of these field declarations are legal within the body of an interface?

Response:

- public int val=100
- int val=100
-  public static final int val=100
- public static int val=100
- none of the above


Score 1.00 of 1

Question:

Predict the output of below code

```
package samplequestions;
public class Sample {
    public static void main(String[] args) {
        String str = "abcde";
        System.out.println(str.substring(1, 3));
    }
}
```

Response:

- abc
-  bc
- abcd

bcd

cde

Score 1.00 of 1

Question:


How does Spring generate bean names for classes annotated with @Component that do not specify a name

Response:

It uses sort name of the classes

It uses short name of the class in upper case

It uses canonical name of the class in lower case

 It uses short name of the classes with first letter in lower case

A bean cannot be created for such a class

Score 1.00 of 1

Question:

Predict the output of below codepackage samplequestions;public class Sample {public static void main(String[] args) {// TODO Auto-generated method stubString str;int fname;str="Foolish boy";fname=str.indexOf("fool"); System.out.println(fname);}}

Response:

0

3

1

 -1

2

Question Results

Score 1.00 of 1


Question:

How to auto-inject in an attribute a bean by its name?

Response:

With the name attribute of the @Autowired annotation

Using the unique @Qualifier annotation

 Using the @Autowired and @Qualifier spring annotations


Score 1.00 of 1

Question:

Which of the following is correct output?

```
public class DemoFun {public
static void main(String[] args) { List<Integer> numbers =
Arrays.asList(2,3,4,5,2); Set<Integer> squareSet =
numbers.stream().map(x->x*x).collect(Collectors.toSet());
System.out.println(squareSet);}}
```

Response:

 a) [16, 4, 9, 25]

b) [16,4,9,25,4]

c) [4,9,16,25,4]

d) [4,4,16,25,9]

Score 0.00 of 1

Question:

Given below code snippet

```
For the Given Code snippet () -> 7 * 12.0;
```

Which of the following interfaces can provide the functional descriptor for the above lambda expression?

Response:

a) interface A { default double m() { return 4.5; }}

b) interface B { int m(int a,int b);}

 c) interface C { int m();}

d) interface D { double m(Integer... i);}

Score 1.00 of 1

Question:

What's true about the following @Entity association between House and Window?

```
public class Window { @Id private int winNo; @ManyToOne private
House aHouse;}@Entitypublic class House { @Id private int houseNo;
@OneToMany(mappedBy="aHouse") private List windows;}
```

Response:

It's OneToMany unidirectional association



It's OneToMany bidirectional association

The association owner is the House class

The association owner is the Window class

Score 1.00 of 1

Question:

Choose the output for following code snippet.

```
public class DemoFun
{public static void main(String[] args) { Stream.of("eeny ", "meeny ",
null).forEach(DemoFun::toUpper); } private static void toUpper(String
str) { Optional <String> string = Optional.ofNullable(str);
System.out.print(string.map(String::toUpperCase).orElse("dummy")); }}
```

Response:



A) This program prints: EENY MEENY dummy

B. This program prints: EENY MEENY DUMMY

C. This program prints: EENY MEENY null

D. This program prints: Optional[EENY] Optional[MEENY] Optional[dummy]

Score 1.00 of 1

Question:

Select the correct output of the execution of the below program:

```
public class Test {public static void main(String[] args) {Set s = new
HashSet();s.add(new Long(10));s.add(new Integer(10));for(Object object
: s) { System.out.println("test - "+object);}}}
```

Response:



a) test-10 test-10

b) test-10

c) RuntimeException

d) Compilation Failure

Score 1.00 of 1

Question:

Consider the following code:

```
public class MyClass { private boolean check(String arg) { System.out.println(arg); assert arg !=
null; // Line 1 return !arg.isBlank(); } String m1(String arg) { assert arg != null; // Line 2 // do
something assert check(arg); // Line 3 return arg.trim(); } public String m2(String arg) { assert arg
!= null; // Line 4 String output = m1(arg); assert output != null; // Line 5 return output; } }
```

On which three lines assertions are used properly?

Response:

Lines 1, 2 & 3

Lines 3, 4 & 5



Line 1, 2 & 5

Line 2, 3 & 5

Score 1.00 of 1

Question:

```
class Employee {
int id;
String name;
public Employee() { }
public Employee(int id, String name) {
this.id = id; this.name = name; } //setters and getters}
public class ComparableTest {
public static void main(String[] args) {
List list = new ArrayList<>();
list.add(new Employee(123, "Sugan"));
list.add(new Employee(101, "Kavita"));
list.add(new Employee(132, "Anju"));
Comparator comparator = (a, b) -> { return a.getName().compareTo(b.getName()); };
list.sort(comparator); list.forEach(e -> System.out.println(e.getName())); }}
```

Response:

SuganKavitaAnju

 AnjuKavitaSugan

KavitaSuganAnju

Compilation fails

Score 1.00 of 1


Question:

```
Predict the output. import java.util.ArrayList;public class
CollectionFramework { public static void main(String args[]) {
ArrayList al = new ArrayList(); al.add("X"); al.add("Y"); al.add("Z");
al.add(1, "B"); System.out.print(al); }}
```

Response:

[X, Y, B, Z]

[X, B, Z]

 [X, B, Y, Z]

[X, Z, Y, B]

Score 0.00 of 1


Question:

Which one of the following are not valid lambda expression?

Response:

() -> {}

() ->"Hello"

 {return "Hello"• ;}

(Integer i) -> return Hello"

Score 1.00 of 1

Question:

```
public class ForEachExample {  
    public static void main(String[] args) {  
        List gamesList = new ArrayList();  
        gamesList.add("Football"); gamesList.add("Cricket");  
        gamesList.add("Chess"); gamesList.add("Hockey");  
        gamesList.add("Cricket"); gamesList.add("Chess");  
        gamesList.add("Football"); gamesList.add("null");  
        gamesList.add(null);  
        Set set = gamesList.stream().collect(Collectors.toSet()); set.forEach(game ->  
        System.out.println(game)); }}
```

Response:

- ☒ ChessHockynullCricketnullFootball
- ☐ ChessHockynullCricketFootball
- ☐ FootballCricketChessHockyCricketChessFootballnull
- ☐ FootballCricketChessHockyCricketChessFootballnullnull

Score 1.00 of 1

Question:

Which is the new method introduced in java 8 to iterate over a collection?

Response:

- ☐ for (String i : StringList)
- ☐ foreach (String i : StringList)
- ☒ StringList.forEach()
- ☐ List.for()

Score 0.00 of 1

Question:

Suppose you have to get the names with course and age where age is neither 25 nor 26. Which of the following is the correct query for this?

Response:

- ☐ SELECT Names FROM Students WHERE Age NOT EXISTS (25, '26')
- ☒ SELECT Names FROM Students HAVING Age NOT EXISTS (25, '26')

Score 1.00 of 1

Question:

Which of the given option is correct for adding exception to the test method given below? `Public void divideByZeroTest(){calobj.divide(15,0);} Note: calobj is an object of Calculate class which contains divide(int x,int y) method.`

Response:

- ☒ @Test(expected = ArithmeticException.class)

@Test(ArithmeticException.class)

@Before(ArithmeticException.class)


@Before(expected = ArithmeticException.class)

Score 1.00 of 1

Question:

Suppose you have to get the Name, Age and Salary of the Employees with salaries in the range of 30000 to 50000. Which of the following queries would be correct for this?

Response:


-  SELECT * FROM Employees WHERE Salary BETWEEN 30000 AND 50000
SELECT * FROM Name HAVING Salary BETWEEN 30000 AND 50000

Score 1.00 of 1

Question:

In the Given Code Snippet (s) -> System.out.println("Welcome to Java 8, Hello !!! "+s); is an implementation of type

Response:


- a)java.util.function.Supplier
b)java.util.function.Function
 c)java.util.function.Consumer
d)java.util.function.Predicate

Score 1.00 of 1

Question:

Consider the tables :Item (id, iname), Market (id, number)The following queries were executed on these tables :1. SELECT I.id, M.number FROM ITEM I INNER JOIN MARKET M ON I.id = M.id;2. SELECT I.id, M.number FROM ITEM I LEFT OUTER JOIN MARKET M ON I.id = M.id;3. SELECT I.id, M.number FROM ITEM I RIGHT OUTER JOIN MARKET M ON I.id = M.id;4. SELECT I.id, M.number FROM ITEM I FULL OUTER JOIN MARKET M ON I.id = M.id;One of the above queries will have an output that will include the outputs of the other three queries. Identify it.

Response:

- Option 1
 Option 4

Score 1.00 of 1

Question:

A functional interface acts as target types for which of the following?Option 1: Lambda expressionOption 2: Method referenceOption 3: Constructor reference

Response:

Options 1 & 2 only

Options 1 & 3 only

Options 2 & 3 only

 Options 1, 2 & 3


Score 0.00 of 1

Question:

Which of the following statements are TRUE regarding the COUNT () function in SQL?

Response:

COUNT(Prod_id) returns the number of rows including rows with duplicate products Id and NULL value in the Prod_id column.

 COUNT (Distinct Prod_id) returns the number of rows excluding rows containing duplicates and NULL values in the Prod_id column.

Score 1.00 of 1

Question:

Choose the best option based on this program:

```
import java.util.function.BiFunction;import java.util.stream.Stream;public class DemoFun {public static void main(String[] args) {  
    // TODO Auto-generated method stub  
    BiFunction < String, String, Boolean > compareString = (x, y) ->x.equals(y);  
    System.out.println(compareString.apply("Java8", "Java8"));   
    // #1  
}}
```

Response:

A. This program results in a compiler error in the line marked with #1

 B. This program prints: true

C. This program prints: false

D. This program prints: (x, y) -> x.equals(y)

Score 1.00 of 1

Question:

Which of the following options can be added to line 4 for the code to compile and run correctly?

```
var list = new ArrayList<String>();  
list.add("one"); list.add("two");   
// line 4 - Add code here for (var s : list) System.out.print(s);
```

Response:

list.add(Integer.valueOf(3));orlist.add(3,"3");

list.add(3);orlist.add(Integer.valueOf(3));

 list.add(String.valueOf("3"));orlist.add(2,"two");

list.add(3,"3");orlist.add(3);

Score 1.00 of 1

Question:

Which Comparator is defined correctly for the given class?

```
class Painting {Integer width = 0;String name;Painting(String name, Integer
```

```
width) {this.name = name;this.width = width;}public Integer getWidth()  
{return width;}}
```

Response:

```
var c3 = new Comparator<Painting>() {public int compareTo(Paintings p1,  
Paintings p2){ return p1.getWidth() - p2.getWidth(); }  
};andComparator<Painting> c4 = (p1, p2) -> p1.getWidth - p2.getWidth;
```



```
Comparator<Painting> c1 = (p1, p2) -> p1.getWidth() -  
p2.getWidth();andComparator<Painting> c2 =  
Comparator.comparing(Paintings::getWidth);
```

```
var c3 = new Comparator<Painting>() {public int compareTo(Paintings p1,  
Paintings p2){ return p1.getWidth() - p2.getWidth(); }  
};andComparator<Painting> c5 = Comparator.comparing(Paintings::getWidth());
```

```
Comparator<Painting> c4 = (p1, p2) -> p1.getWidth -  
p2.getWidth;andComparator<Painting> c5 =  
Comparator.comparing(Paintings::getWidth());
```

Score 1.00 of 1

Question:

Given below are a few statements. Identify the correct ones.1. ORDER BY and GROUP BY clauses can not co-exist in query.2. HAVING and GROUP BY can not be present in a query together.3. It's necessary that a GROUP BY clause is present if the query has a HAVING clause.4. The SELECT clause must have all the attributes of the GROUP BY clause.

Response:



Options 3 & 4

Options 1 & 2

Score 0.00 of 1

Question:

```
What would be the output of the following codeclass exception_handling  
{ public static void main(String args[]) { try {  
System.out.print("A"); throw new NullPointerException ("Hello"); }  
catch(ArithmeticException e) { System.out.print("B"); } } }
```

Response:

A

B

Hello



a ,RuntimeException

Score 1.00 of 1

Question:

```
Consider the following code:import java.nio.file.*; import java.io.*;  
class NIO { public static void main(String [] args)throws IOException {  
Path path = Paths.get("data.txt"); File myfile = new  
File(path.toString()); myfile.createNewFile(); } }Given that the
```


current working directory is empty, which one of the given options are true?

Response:

Compilation fails

Compilation succeeds and a file called "data.txt" will be created in the root directory

As there is no file called "data.txt" the Paths class' "get()" method will cause a compile-time error

 Compilation succeeds and a file called "data.txt" will be created in the current working directory

Question Results

Score 1.00 of 1

Question:

Which one is a template for creating different objects

Response:

- ☐ Array
- ☒ Class
- ☐ Interface
- ☐ Method

Score 1.00 of 1

Question:

Which of the following are not Java modifiers?

Response:

- ☐ public
- ☐ private
- ☒ friendly
- ☐ protected

Score 1.00 of 1

Question:

Which of the following is a correct implementation of method overloading?

Response:

- ☐ void methodA(){} int methodA(){}
- ☒ void methodA(){} void methodA(int a){}
- ☐ void methodA(){} int methodB(int a){}
- ☐ int methodA(){} int methodAA(){}

Score 1.00 of 1

Question:

Which is correct about an instance variable of type String

Response:

- ☐ It defaults to an empty string.
- ☒ It defaults to null
- ☐ It does not have a default value
- ☐ It will not compile without initializing on the declaration line

Score 1.00 of 1

Question:

How many Primitive Data types are there in Java

Response:

7

 8

6

10

Score 1.00 of 1


Question:

Size of primitive int is.....bytes

Response:

1 bytes

3 bytes

 4 bytes

8 bytes

Score 1.00 of 1

Question:

Which provides runtime environment for java byte code to be executed?

Response:

JDK

 JVM

JRE


JAVAC

Score 1.00 of 1

Question:

What is the default return type of the class members in the class?

Response:

 default

private

protected

public

Score 1.00 of 1

Question:

What is garbage collection in the context of Java

Response:

Java deletes all unused java files on the system

✓ Memory used by the object with no reference is automatically reclaimed.

The JVM cleans output of Java program with error.

Any unused package in a program automatically gets deleted.

Score 1.00 of 1

Question:

Which of the following declarations does not compile

Response:

✓ `double num1, int num2 = 0;`

`int num1, num2;`

`int num1, num2 = 0;`

`int num1 = 0, num2 = 0;`

Score 1.00 of 1

Question:

Data type long literals are appended by

Response:

Uppercase L

Lowercase L

Long

✓ Both A and B

Score 1.00 of 1

Question:

Which of the following is true about primitives

Response:

You can call methods on a primitive

✓ You can convert a primitive to a wrapper class object simply by assigning it

You can convert a wrapper class object to a primitive by calling `valueOf()`

You can store a primitive directly into an `ArrayList`

Score 1.00 of 1

Question:

Java is a.....Language

Response:

weakly typed

✓ strongly typed

moderate typed

None of these

Score 1.00 of 1

Question:

Which statement transfer execution to different parts of your code based on the value of an expression

Response:

If

 Switch

Nested-if

if-else-if

Score 1.00 of 1

Question:

An interface with no fields or methods is known as a _____

Response:

Runnable Interface

 Marker Interface

Abstract Interface

CharSequence Interface

Score 1.00 of 1


Question:

Which of the following is not a Java features?

Response:

Dynamic

Architecture Neutral

 Use of pointers

Object-oriented

Score 1.00 of 1

Question:


Which one is true about a constructor ?

Response:

A constructor must have the same name as the class it is declared within

A constructor is used to create objects

A constructor may be declared private

 All of the above

Score 1.00 of 1

Question:

_____ is used to find and fix bugs in the Java programs.

Response:

JVM

JRE

JDK

 JDB

Score 1.00 of 1

Question:

Which of the following are not Java keywords ?

Response:

double

switch

 then

while

Score 1.00 of 1


Question:

Given that Student is a class, how many reference variables and objects are created by the following code?

Student studentName, studentId;

studentName = new Student(); Student stud_class = new Student();

Response:

 Three reference variables and two objects are created

Two reference variables and two objects are created

One reference variable and two objects are created.


Three reference variables and three objects are created.

Score 1.00 of 1

Question:

Which of the following option leads to the portability and security of Java?

Response:

 Bytecode is executed by JVM

The applet makes the Java code secure and portable

Use of exception handling

Dynamic binding between objects

Score 1.00 of 1

Question:

What is the return type of the hashCode() method in the Object class?

Response:

Object



int

long

void

Score 1.00 of 1

Question:

Which statement about a valid .java file is true

Response:

It can only contain one class declaration

It can contain one pulic class declaration and one public interface definition

It must define at least one public class



It may define at most one public class

Score 1.00 of 1

Question:

Which variables are created when an object is created with the use of the keyword 'new' and destroyed when the object is destroyed?

Response:

Local variables



Instance variables

Class Variables

Staic Variables

Score 1.00 of 1

Question:

On which platforms Java runs?

Response:

Windows

Unix

Mac



All of the above



Question Results

Score 1.00 of 1

Question:

Which of the following statements are 'True' related to interface?

Response:

-  Interface doesn't allow to create object .
-  Multiple inheritance can be possible in interface.
- ☐ Class can implement only one interface.
- ☐ Interface can't allow to declare a member variable.


Score 1.00 of 1

Question:

```
import java.util.*;
class Test {
public static void main(String[] args) {
// insert code here
obj.add("one");
obj.add("two");
obj.add("TWO");
System.out.println(x.poll());
}
}
```

Which, inserted at // insert code here, will compile?

Response:

- ☐ List<String> obj = new LinkedList<String> ();
- ☐ TreeSet<String> obj = new TreeSet<String> ();
- ☐ HashSet<String> obj = new HashSet<String> ();
-  Queue<String> obj= new PriorityQueue<String> ();

Score 1.00 of 1

Question:

Which of the following methods of the File class will delete a directory or file?

Response:

- ☐ The file class does not allow you to delete a file or directory
- ☐ remove()



delete()

deleteFile()

Score 1.00 of 1

Question:

```
class Demo{public static void main(String []args){Path javaHome =  
Paths.get("C:/Program Files/Java/jdk1.8.0_25");  
System.out.println(javaHome.getNameCount());}}
```

What will be the output of above code?

Response:

1

2



3

4

Score 1.00 of 1

Question:

A programmer has an algorithm that requires a `java.util.List` that provides an efficient implementation of `add(0,object)`, but does NOT need to support quick random access. What supports these requirements?

Response:

ArrayList

Queue

Linear List



LinkedList

Score 1.00 of 1

Question:

What will happen after the execution of below code?

```
public class HashSetTest { public static void main(String[] args) {  
Set haseSet = new HashSet<>(); haseSet.add("1"); haseSet.add(1);  
haseSet.add("null"); haseSet.add(null); System.out.println(haseSet);  
}}
```

Response:



[null, 1, 1, null]

[1,null]

[null,1,null]

[1,1,null]

Score 1.00 of 1

Question:


Predict the output of following Java program:

```
class Main {    public static void main(String args[]) {        try {  
throw 10;        }        catch(int e) {            System.out.println("Got  
the Exception " + e);        }    }}
```

Response:

Got the Exception 10

Got the Exception 0

 Compilation fails

None of the above

Score 1.00 of 1

Question:

What will be the output of the following Java code?

```
public class ThreadDemo { public static void main(String args[]) {  
Thread t = Thread.currentThread();  
System.out.println(t.getPriority()); }}
```

Response:

1

10

 5

undefined

Score 1.00 of 1

Question:

Which of the given method must be overridden by a class, after implementing Comparator?

Response:

int compare(Object obj);

int compareTo(Object obj);

int compareTo(Object obj1, Object obj2);

 int compare(Object obj1, Object obj2);

Score 1.00 of 1

Question:

_____ is raised if I do not provide the String array as the argument to the main method.

Response:

NullPointerException

IllegalAccessException

 NoSuchMethodError

None of the above

Score 1.00 of 1

Question:

Which among the following Sets maintains insertion order?

Response:

HashSet

TreeSet

 TreeSet

Both B & C

Score 1.00 of 1

Question:

When the JVM runs out of memory, which exception will be thrown?

Response:

MemoryBoundException

 OutOfMemoryError

OutOfMemoryException

OutOfRangeException

Score 1.00 of 1

Question:

`try { int number = Integer.parseInt("two"); }` Which could be used to create an appropriate catch block?

Response:

ClassCastException

IllegalStateException

 NumberFormatException

None of the above is 'True

Score 1.00 of 1

Question:

What will be the output of following program?

```
public class Foo {      public static void main(String[] args)      {
    try      {      return;      }      finally      {
System.out.println( "Finally" );      }      } }
```

Response:

 Finally

Compilation fails

No output

Runtime Exception

Score 1.00 of 1

Question:

Which of the following I/O classes helps you in persistence storage of Objects?

Response:

- ☒ ObjectOutputStream
- ☐ DataOutputStream
- ☐ FileWriter
- ☐ ObjectWriter

Score 1.00 of 1

Question:

A _____ is used to walk through a collection and can remove elements from the collection during the iteration.

Response:

- ☐ Enumeration
- ☒ Iterator
- ☐ ArrayList
- ☐ Vector

Score 1.00 of 1

Question:

Which of these exception is thrown in cases when the file specified for writing is not found?

Response:

- ☐ IOException
- ☐ FileNotFoundException
- ☒ FileNotFoundException
- ☐ FileInputException

Score 0.00 of 1

Question:

What will be the output of below code?

```
class Test{ public static void main(String[] args) { try { int a[]={1, 2, 3, 4}; for (int i = 1; i <= 4; i++) { System.out.println("a[" + i + "]= " + a[i] + "n"); } } catch (Exception e) { System.out.println ("error = " + e); } catch (ArrayIndexOutOfBoundsException e) { System.out.println ("ArrayIndexOutOfBoundsException"); } }}
```

Response:

- ☒ Compiler error

Run time error

ArrayIndexOutOfBoundsException

a[1]=2na[2]=3na[3]=4n

Score 1.00 of 1

Question:

Predict the output of the following program:

```
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(); }}
```

Response:

a = 10

a = 20



compilation error

runtime error

Score 0.00 of 1

Question:

Which of these is not a correct statement?

Response:

Every class containing abstract method must be declared abstract

Abstract class defines only the structure of the class not its implementation



Abstract class can be initiated by new operator

Abstract class can be inherited

Score 1.00 of 1

Question:

What will happen after the execution of below code?

```
class CreateObject{public static void main(String []args){Set set = new
TreeSet();set.add("Priya");set.add("Ritu");set.add(100);}}
```

Response:

All elements will be successfully added to set

last element 100 will not be added to set



ClassCastException

IllegalStateException

Score 1.00 of 1

Question:

What is the output of the following?

```
import java.util.*;public class Test {public static void main(String[] args) { Set set = new TreeSet(); set.add("anu"); set.add("anil"); set.add("sunil"); for(Object str:set){ System.out.print(str + " ");}}}
```

Response:

- ☒ anil anu sunil
- ☐ anu anil sunil
- ☐ Compilation error
- ☐ Exception

Score 1.00 of 1

Question:

Which of the following is 'False' about abstract classes in Java?

Response:

- ☐ we can use both static and non static variables in abstract classes
- ☐ Abstract classes can have constructors
- ☐ A class can be made abstract without any abstract method
- ☒ A class can inherit from multiple abstract classes

Score 0.00 of 1

Question:

What will be the output of the following Java program?

```
public class FileDemo { public static void main(String[] args) throws  
IOException {  InputStream obj = new  
FileInputStream("src/inputoutput.txt");  
System.out.print(obj.available()); }}
```

Note: inputoutput.txt is stored in the disk.

Response:

- ☐ 'True
- ☐ 'False
- ☒ prints number of bytes in file
- ☐ prints number of characters in the file

Score 1.00 of 1

Question:

Which of these values is returned by read() method is end of file (EOF) is encountered?

Response:

- ☐ 1
- ☒ -1
- ☐ Null

Score 1.00 of 1

Question:

What will be the output?

```
interface A{ public void method();}class One{ public void method(){
System.out.println("Class One method"); }}class Two extends One
implements A{ public void method(){ System.out.println("Class Two
method"); }}public class Test extends Two{ public static void
main(String[] args){ A a = new Two(); a.method(); }}
```

Response:

- ☐ will print Class One method
- ☒ will print Class Two method
- ☐ compiles fine but print nothing
- ☐ Compilation Error

Score 1.00 of 1

Question:

How can you ensure all threads that started from main must end in order in which they started and also main should end in last?

Response:

- ☒ join() method
- ☐ sleep() method
- ☐ wait() method
- ☐ run() method

Score 1.00 of 1

Question:

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

Response:

- ☐ java.util.HashSet
- ☐ java.util.Vector
- ☒ java.util.ArrayList
- ☐ java.util.List

Score 1.00 of 1

Question:

What is the output of the following program?

```
class Test {public static void main(String[] args) {try
{doMath(5);System.out.print("hi");}finally { System.out.println(" from
finally"); }}public static void doMath(int den) {int num = 7 / den;}}
```

Response:



hi from finally

hi from finally

prints hi from finally 2 times

None of the above

Score 1.00 of 1

Question:

What will happen after the execution of below code?

```

public class HashSetTest { public static void main(String[] args) {
Map map = new HashMap(); map.put(new String("a"), "Audi");
map.put(new String("a"), "Ferrari"); System.out.println(map); }}

```

Response:



{a=Ferrari}

{a=Audi}

{a=Audi,a=Ferrari}

{a=Ferrari,a=Audi}

compilation fails

Score 0.00 of 1

Question:

What state does Thread enter in when it has been created and started?

Response:

new

runnable



running

waiting

Score 1.00 of 1

Question:

Which of the following statements are 'True' related to exception handling in java?

Response:

UserDefined exception can be created by extending from RuntimeException class

Throwable is the base class of Error and Exception class

Checked Exception need to be handled either by try and catch block or by using throws keyword in a code before compilation.



All of the above


Score 1.00 of 1

Question:

Predict the output of following Java program:

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

Response:

 Got the Test ExceptionInside finally block

Got the Test Exception

Inside finally block

Compilation fails

Score 1.00 of 1

Question:

What will be the output of the following Java program?

```
public class FileDemo { public static void main(String[] args) {
String obj = "abcdef"; int length = obj.length(); char c[] = new
char[length]; obj.getChars(0, length, c, 0); CharArrayReader input1
= new CharArrayReader(c); CharArrayReader input2 = new
CharArrayReader(c, 0, 3); int i; try { while ((i = input2.read())
!= -1) { System.out.print((char) i); } } catch (IOException e) {
e.printStackTrace(); } }
```

Response:

 abc

abcd

abcde

Compilation fails


Score 1.00 of 1

Question:

```
class DemoCmp //line 1{int number;public DemoCmp(int
num){number=num;}//line 2}public class CreateDemo {public static void
main(String []args){TreeSet<DemoCmp>set = new
TreeSet<DemoCmp>();set.add(new Demo(8));set.add(new
Demo(2));set.add(new Demo(3));}}
```

Which code need to be inserted at line 1 and line 2for successful execution of above code?

Response:

 //line 1class DemoCmp implements Comparable//line
2public int compareTo(Object obj){return number-
obj.number;}

//line 1class DemoCmp implements Comparator//line
2public int compare(Object obj1,Object obj2){return
obj1.number-obj2.number;}

```
//line 1class DemoCmp implements Comparable//line
2public int compare(Object obj1,Object obj2){return
obj1.number-obj2.number;}
//line 1class DemoCmp implements Comparator//line
2public int compareTo(Object obj){return number-
obj1.number;}
```

Score 1.00 of 1

Question:


```
class GenericsDemo{ T data; public GenericsDemo(T data) { this.data =
data; }}
```

Which of the given statement is 'True about above code?

Response:

GenericsDemo object can be created by passing any type of parameter+B22:C24

GenericsDemo object can be created as given belowGenericsDemo<String>obj
= new GenericsDemo<String>();

 GenericsDemo object can be created as given belowGenericsDemo<String>obj
= new GenericsDemo<String>("xyz");


Can not create object of given class

Score 1.00 of 1

Question:

Which of the given statement will ensure that each resource is closed
at the end of statement?

Response:

 try with resource

call to close() function on the resource

try with resource and finally

try with catch

Score 1.00 of 1

Question:

Consider the following code:


```
interface MyInterface {// Method declaration code }
```

Which of the following code snippet shows the wrong way to declare
Method in interface?

Response:

public abstract boolean isValid();

public boolean isValid();

 protected boolean isValid();

boolean isValid();

Score 1.00 of 1

Question:

If a class inheriting an abstract class does not define all of its function then it will be known as _____.

Response:

- ☒ Abstract
- ☐ A simple class
- ☐ Static class
- ☐ interface

Score 1.00 of 1

Question:

What will be the output of the following Java code?

```
class ThreadDemo{           public static void main(String args[])
{
    Thread t = Thread.currentThread();
System.out.println(t);      }
}
```

Response:

- ☐ Thread[5,main]
- ☐ Thread[main,5]
- ☐ Thread[main,0]
- ☒ Thread[main,5,main]

Question Results

Score 1.00 of 1

Question:

`try { int number = Integer.parseInt("two"); }` Which could be used to create an appropriate catch block?

Response:

ClassCastException

IllegalStateException

 NumberFormatException

None of the above is 'True'

Score 1.00 of 1

Question:

Which of the following methods of the File class will delete a directory or file?

Response:

The file class does not allow you to delete a file or directory

remove()

 delete()

deleteFile()

Score 1.00 of 1

Question:


```
class GenericsDemo{ T data; public GenericsDemo(T data) { this.data = data; }}
```

Which of the given statement is 'True' about above code?

Response:

GenericsDemo object can be created by passing any type of parameter+B22:C24

GenericsDemo object can be created as given below
`GenericsDemo<String>obj = new GenericsDemo<String>();`

 GenericsDemo object can be created as given below
`GenericsDemo<String>obj = new GenericsDemo<String>("xyz");`

Can not create object of given class

Score 1.00 of 1

Question:

When the JVM runs out of memory, which exception will be thrown?

Response:

MemoryBoundException



OutOfMemoryError

OutOfMemoryException

OutOfRangeException

Score 1.00 of 1

Question:

What will be the output of the following Java program?

```
public class FileDemo { public static void main(String[] args) {
String obj = "abcdef"; int length = obj.length(); char c[] = new
char[length]; obj.getChars(0, length, c, 0); CharArrayReader input1
= new CharArrayReader(c); CharArrayReader input2 = new
CharArrayReader(c, 0, 3); int i; try { while ((i = input2.read())
!= -1) { System.out.print((char) i); } } catch (IOException e) {
e.printStackTrace(); } }}
```

Response:



abc

abcd

abcde

Compilation fails

Score 1.00 of 1

Question:

Which among the following Sets maintains insertion order?

Response:

HashSet

TreeSet



LinkedHashSet

Both B & C

Score 1.00 of 1

Question:

What will be the output of below code?

```
class Test{ public static void main(String[] args) { try { int a[]={
1, 2, 3, 4}; for (int i = 1; i <= 4; i++) { System.out.println
("a[" + i + "]= " + a[i] + "n"); } } catch (Exception e) {
System.out.println ("error = " + e); } catch
(ArrayIndexOutOfBoundsException e) { System.out.println
("ArrayIndexOutOfBoundsException"); } }}
```

Response:



Compiler error

Run time error

ArrayIndexOutOfBoundsException

$$a[1]=2na[2]=3na[3]=4n$$

Score 1.00 of 1

Question:

```
import java.util.*;
class Test {
public static void main(String[] args) {
// insert code here
obj.add("one");
obj.add("two");
obj.add("TWO");
System.out.println(x.poll());
}
}
```

Which, inserted at // insert code here, will compile?

Response:

List<String> obj = new LinkedList<String> ();

TreeSet<String> obj = new TreeSet<String> ();

HashSet<String> obj = new HashSet<String> ();

 Queue<String> obj= new PriorityQueue<String> ();

Score 1.00 of 1

Question:

A programmer has an algorithm that requires a java.util.List that provides an efficient implementation of add(0,object), but does NOT need to support quick random access. What supports these requirements?

Response:

ArrayList

Queue

Linear List


 LinkedList

Score 1.00 of 1

Question:

Which of the given statement will ensure that each resource is closed at the end of statement?

Response:

 try with resource

call to close() function on the resource

try with resource and finally

try with catch

Score 1.00 of 1


Question:

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

Response:

java.util.HashSet

java.util.Vector

 java.util.ArrayList

java.util.List

Score 1.00 of 1


Question:

Which of these is not a correct statement?

Response:

Every class containing abstract method must be declared abstract

Abstract class defines only the structure of the class not its implementation

 Abstract class can be initiated by new operator

Abstract class can be inherited

Score 1.00 of 1

Question:


Which of the given method must be overridden by a class, after implementing Comparator?

Response:

int compare(Object obj);

int compareTo(Object obj);

int compareTo(Object obj1, Object obj2);

 int compare(Object obj1, Object obj2);


Score 1.00 of 1

Question:

What will happen after the execution of below code?

```
public class HashSetTest { public static void main(String[] args) {  
Set haseSet = new HashSet<>(); haseSet.add("1"); haseSet.add(1);  
haseSet.add("null"); haseSet.add(null); System.out.println(haseSet);  
}}
```

Response:

 [null, 1, 1, null]

[1,null]

[null,1,null]



[1,1,null]

Score 1.00 of 1

Question:

Which of the following statements are 'True related to interface?

Response:

-  Interface doesn't allow to create object .
-  Multiple inheritance can be possible in interface.
- ☐ Class can implement only one interface.
- ☐ Interface can't allow to declare a member variable.


Score 1.00 of 1

Question:

```
class DemoCmp //line 1{int number;public DemoCmp(int
num){number=num;}//line 2}public class CreateDemo {public static void
main(String []args){TreeSet<DemoCmp>set = new
TreeSet<DemoCmp>();set.add(new Demo(8));set.add(new
Demo(2));set.add(new Demo(3));}}
```

Which code needs to be inserted at line 1 and line 2 for successful execution of above code?

Response:

- 

```
//line 1class DemoCmp implements Comparable//line
2public int compareTo(Object obj){return number-
obj.number;}
```
- ☐

```
//line 1class DemoCmp implements Comparator//line
2public int compare(Object obj1,Object obj2){return
obj1.number-obj2.number;}
```
- ☐

```
//line 1class DemoCmp implements Comparable//line
2public int compare(Object obj1,Object obj2){return
obj1.number-obj2.number;}
```
- ☐

```
//line 1class DemoCmp implements Comparator//line
2public int compareTo(Object obj){return number-
obj1.number;}
```

Score 1.00 of 1

Question:

Consider the following code:


```
interface MyInterface {// Method declaration code }
```

Which of the following code snippets shows the wrong way to declare Method in interface?

Response:

public abstract boolean isValid();

public boolean isValid();

 protected boolean isValid();

boolean isValid();


Score 1.00 of 1

Question:

What will happen after the execution of below code?

```
public class HashSetTest { public static void main(String[] args) {  
    Map map = new HashMap(); map.put(new String("a"), "Audi");  
    map.put(new String("a"), "Ferrari"); System.out.println(map); }}
```

Response:

 {a=Ferrari}

{a=Audi}

{a=Audi,a=Ferrari}

{a=Ferrari,a=Audi}

compilation fails

Score 1.00 of 1

Question:

Which of the following I/O classes helps you in persistence storage of Objects?

Response:

 ObjectOutputStream

DataOutputStream

FileWriter

ObjectWriter

Score 1.00 of 1

Question:

If a class inheriting an abstract class does not define all of its function then it will be known as _____.

Response:

 Abstract

A simple class

Static class

interface

Score 1.00 of 1

Question:

What is the output of the following program?

```
class Test {public static void main(String[] args) {try
{doMath(5);System.out.print("hi");}finally { System.out.println(" from
finally"); }}public static void doMath(int den) {int num = 7 / den;}}
```

Response:

- ☒ hi from finally
- ☐ hifrom finally
- ☐ prints hi from finally 2 times
- ☐ None of the above

Score 1.00 of 1

Question:

Which of these values is returned by read() method is end of file (EOF) is encountered?

Response:

- ☐ 1
- ☒ -1
- ☐ Null

Score 1.00 of 1

Question:

Predict the output of following Java program:

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

Response:

- ☒ Got the Test ExceptionInside finally block
- ☐ Got the Test Exception
- ☐ Inside finally block
- ☐ Compilation fails

Score 1.00 of 1


Question:

Which of the following statements are 'True related to exception handling in java?

Response:

- ☐ UserDefined exception can be created by extending from RuntimeException class
- ☐ Throwable is the base class of Error and Exception class

Checked Exception need to be handled either by try and catch block or by using throws keyword in a code before compilation.


 All of the above

Score 1.00 of 1

Question:

How can you ensure all threads that started from main must end in order in which they started and also main should end in last?

Response:

 join() method

sleep() method

wait() method

run() method

Score 1.00 of 1

Question:

What will be the output of following program?

```
public class Foo {      public static void main(String[] args)      {  
    try      {      return;      }      finally      {  
    System.out.println( "Finally" );      }      } }
```

Response:

 Finally

Compilation fails

No output

Runtime Exception


Score 1.00 of 1

Question:

What is the output of the following?

```
import java.util.*;public class Test {public static void main(String[]  
args) { Set set = new TreeSet(); set.add("anu"); set.add("anil");  
set.add("sunil"); for(Object str:set){ System.out.print(str + " ");}}}
```

Response:

 anil anu sunil

anu anil sunil

Compilation error

Exception

Score 1.00 of 1

Question:

_____ is raised if I do not provide the String array as the argument to the main method.

Response:

NullPointerException

IllegalAccessException

 NoSuchMethodError

None of the above

Score 1.00 of 1

Question:

```
class Demo{public static void main(String []args){Path javaHome =  
Paths.get("C:/Program Files/Java/jdk1.8.0_25");  
System.out.println(javaHome.getNameCount());}}
```

What will be the output of above code?

Response:

1

2

 3

4

Score 1.00 of 1

Question:

Predict the output of the following program:

```
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(); }}
```

Response:

a = 10

a = 20

 compilation error

runtime error

Score 1.00 of 1

Question:

What will be the output of the following Java code?

```
public class ThreadDemo { public static void main(String args[]) {  
Thread t = Thread.currentThread();  
System.out.println(t.getPriority()); }}
```

Response:

1

10

 5

undefined

Score 1.00 of 1

Question:

What will be the output of the following Java program?


```
public class FileDemo { public static void main(String[] args) throws  
IOException {   InputStream obj = new  
FileInputStream("src/inputoutput.txt");  
System.out.print(obj.available()); }}
```

Note: inputoutput.txt is stored in the disk.

Response:

'True

'False

 prints number of bytes in file

prints number of characters in the file

Score 1.00 of 1


Question:

What state does Thread enter in when it has been created and started?

Response:

new

runnable

 running

waiting

Score 1.00 of 1

Question:

Which of these exception is thrown in cases when the file specified for writing is not found?

Response:

IOException

FileNotFoundException

 FileNotFoundException

FileInputException

Score 1.00 of 1

Question:


Predict the output of following Java program:

```
class Main {    public static void main(String args[]) {        try {  
throw 10;        }        catch(int e) {            System.out.println("Got  
the Exception " + e);        }    }}
```

Response:

Got the Exception 10

Got the Exception 0

 Compilation fails

None of the above

Score 1.00 of 1

Question:

What will be the output of the following Java code?


```
class ThreadDemo{        public static void main(String args[])  
{            Thread t = Thread.currentThread();  
System.out.println(t);        }    }
```

Response:

Thread[5,main]

Thread[main,5]

Thread[main,0]

 Thread[main,5,main]

Score 1.00 of 1

Question:

Which of the following is 'False' about abstract classes in Java?

Response:

we can use both static and non static variables in abstract classes

Abstract classes can have constructors

A class can be made abstract without any abstract method

 A class can inherit from multiple abstract classes

Score 1.00 of 1

Question:

What will be the output?

```
interface A{ public void method();}class One{ public void method(){  
System.out.println("Class One method"); }}class Two extends One  
implements A{ public void method(){ System.out.println("Class Two  
method"); }}public class Test extends Two{ public static void  
main(String[] args){ A a = new Two(); a.method(); }}
```

Response:

will print Class One method

- ☒ will print Class Two method
- ☐ compiles fine but print nothing
- ☐ Compilation Error

Score 1.00 of 1

Question:

A _____ is used to walk through a collection and can remove elements from the collection during the iteration.

Response:

- ☐ Enumeration
- ☒ Iterator
- ☐ ArrayList
- ☐ Vector

Score 1.00 of 1

Question:

What will happen after the execution of below code?

```
class CreateObject{public static void main(String []args){Set set = new  
TreeSet();set.add("Priya");set.add("Ritu");set.add(100);}}
```

Response:

- ☐ All elements will be successfully added to set
- ☐ last element 100 will not be added to set
- ☒ ClassCastException
- ☐ IllegalStateException


Question Results

Score 1.00 of 1

Question:

Which method can be used to check null on an Optional variable in Java 8

Response:


-  isPresent()
- isNullable()
- isPresentable()
- isNotNull()

Score 1.00 of 1

Question:

How sorting speed has been improved significantly on multi-core machines by using -

Response:


-  Arrays.parallelSort
- Arrays.sort
- Collection.parallelSort
- Arrays.sortParallelly

Score 1.00 of 1

Question:

In java 8, R apply(T t) is a method of-

Response:


-  Function
- Process
- Predicate
- None

Score 1.00 of 1

Question:

How can we obtain source of objects in java 8?

Response:

-  Stream stream()
- Stream obtain()
- Stream obtain Source()
- All

Score 1.00 of 1

Question:


A pipeline is a sequence of what operations in java 8

Response:

multi-threading

concurrent

consequent

 stream

Score 1.00 of 1

Question:

Which class can be used Instead of System.currentTimeMillis() to get a date and time in Java 8 -

Response:

 Clock

Date

Time

Timer

Score 1.00 of 1

Question:

What is Predicate in Java 8 -

Response:

method

class

 Interface

Framework

Score 1.00 of 1

Question:

Lambda expressions are _____ scoped

Response:

 Lexically

Semantically

Binary

None

Score 1.00 of 1

Question:

Which package contains Date/Time (JSR 310) API in Java 8 -

Response:

- ☒ java.time
- ☐ java.util.time
- ☐ java.time.date
- ☐ java.util.calendar

Score 1.00 of 1

Question:

Which is aggregate operation in Java 8

Response:

- ☐ filter
- ☐ map
- ☐ forEach

☒ All

Score 1.00 of 1

Question:

Which of these does Streamfilter() operates on

Response:

- ☒ Predicate
- ☐ Interface
- ☐ Class
- ☐ Methods

Score 1.00 of 1

Question:

In Java 8 Interfaces, methods can be:

Response:

- ☐ default
- ☐ abstract
- ☒ all
- ☐ none

Score 1.00 of 1

Question:

code before Java 8 essentially used to be -

Response:

- ☐ Declarative
- ☒ Imperative
- ☐ Subjective

None

Score 1.00 of 1

Question:

PermGen space has been replaced with which of these in Java 8 -

Response:

PermSpace

PermSpaceGen

 Metaspace

MetaGenSpace

Score 1.00 of 1

Question:


We need to override which Predicate method in Java 8 -

Response:

predict(T t)

predictable(T t)

testable(T t)

 test(T t)

Score 1.00 of 1

Question:


Nashorn the new JavaScript engine is an implementation of -

Response:

javax.engine.Engine

javax.script.Engine

javax.javaScript.Engine

 javax.script.ScriptEngine

Score 1.00 of 1

Question:

Which of these does Streammap() operates on

Response:

Class

Interface

Predicate

 Function

Score 1.00 of 1

Question:

In java 8 Function is ?

Response:

Class



Interface

Lambda Expression

Object

Score 1.00 of 1

Question:

Stream operations in java 8 can be divided into

Response:

Terminal types

Intermediate types



All

None

Score 1.00 of 1

Question:

Which of these represents a process that accepts one argument and produces a result in Java 8

Response:



Function

Process

Method

JavaFunctions

Score 1.00 of 1

Question:

On which of these does annotations can be used on in Java 8

Response:

Local variables

Super classes

Generic types



All of these

Score 1.00 of 1

Question:

Which is new command line tool for the Nashhorn JavaScript engine in java 8 -

Response:

jcs

jfs

 jjs


jss

Score 1.00 of 1

Question:

`void accept(T t)` is method of -

Response:

 Consumer

Producer

Both

None

Score 1.00 of 1

Question:

What can help us in avoiding `NullPointerException` and null checks in java 8 -

Response:

 Optional

Required

NotNull

NotRequired

Score 1.00 of 1

Question:

Example of functional interfaces in Java 8 -

Response:

`java.util.concurrent.Callable`

`java.lang.Runnable`

 All

None

Score 1.00 of 1

Question:

Which of these does `forEach()` operates on

Response:

Methods

 Consumer

Producer

Predicate

Score 1.00 of 1

Question:

The Java 8 API with a sequence of elements which of these supports sequential and parallel aggregate operations -

Response:

Hadoop

 Streams

SequenceProgramming

Big-data

Score 1.00 of 1

Question:

Which of these should be used to show package-level and class-level dependencies of Class files in Java 8

Response:

dep

ideps

jdep

 jdeps


Score 1.00 of 1

Question:

Predicate is in which package in Java 8

Response:

java.util.predicate

 java.util.object

java.util.objects

java.util.predict

Question Results

Score 1.00 of 1

Question:

Which Spring Framework module is used to implement cross-cutting concerns in Spring based-applications?

Response:

ORM



AOP

JDBC

TXM

Score 1.00 of 1

Question:

What is the primary use of the Spring Security module?

Response:



To provide authentication and authorization for web applications

To provide data access and management

To provide Model-View-Controller architecture

To provide aspect-oriented programming functionality

Score 1.00 of 1

Question:

_____ is similar to 'any', but a safer alternative when uncertain about the type.

Response:

never

similar



unknown

Score 1.00 of 1

Question:

What is the main purpose of the Spring Framework?

Response:



To provide a comprehensive programming and configuration model for Java-based enterprise applications

To provide a comprehensive programming and configuration model for JavaScript-based web applications

To provide a comprehensive programming and configuration model for PHP-based web applications

To provide a comprehensive programming and configuration model for Python-based web applications

Score 1.00 of 1

Question:

_____ is a return type for when nothing is returned.

Response:

- ☒ void
- ☐ any
- ☐ any[]
- ☐ unknown

Score 1.00 of 1

Question:

Different ways to inject Spring beans in Spring-based applications?

Response:

- ☐ Constructor based
- ☐ Setter based
- ☐ Field-based
- ☒ All of the above

Score 1.00 of 1

Question:

What is the scope to create a new instance every time the bean is requested from the spring container?

Response:

- ☐ singleton
- ☒ prototype
- ☐ request
- ☐ session

Score 1.00 of 1

Question:

Which is the front controller in Spring MVC?

Response:

- ☐ FrontDispatcherServlet
- ☒ DispatcherServlet
- ☐ FrontControllerService
- ☐ None of the above

Score 1.00 of 1

Question:

Which interface represents the Spring IOC container?

Response:

- ☒ ApplicationContext
- ☐ ApplicationContentFactory
- ☐ SessionFactory
- ☐ DispatchServlet

Score 1.00 of 1

Question:

Definitely Typed is _____

Response:

- ☐ a superset of TypeScript
- ☐ the official name of TypeScript
- ☐ a project whose goal is to make types dynamic
- ☒ a project that provides a central repository of TypeScript definitions for NPM packages which do not have types

Score 1.00 of 1

Question:

Spring MVC Framework is designed based on which Design Pattern?

Response:

- ☒ Model-View-Controller (MVC)
- ☐ Layered pattern
- ☐ Client-server pattern
- ☐ None of the above

Score 1.00 of 1

Question:

What is the default scope of the Spring Bean?

Response:

- ☒ singleton
- ☐ prototype
- ☐ request
- ☐ session

Score 1.00 of 1

Question:

Extension of typescript is?

Response:

.d.tp

d.td

 .d.ts

.d.ty


Score 1.00 of 1

Question:

What are Spring stereotype annotations?

Response:

Using Getter and Setter methods

 Using Setter and Constructor

Using Getter and Constructor

Using Setter and Factory methods

Score 1.00 of 1

Question:

JdbcTemplate implements the below design pattern?

Response:

Strategy design pattern

 Template Design pattern

Singleton design pattern

Decorator design pattern

Score 1.00 of 1

Question:

You can disable implicit variable type assignment by enabling the compiler option:

Response:

 noImplicitAny

noAutoType

Implicit = FALSE

autoTypeAssignment = FALSE

Score 1.00 of 1

Question:

TypeScript supports Object Oriented Programming concepts like classes, interfaces, inheritance.

Response:

 TRUE

False

Can be true or false

None of the above

Score 1.00 of 1

Question:

What is the purpose of the Spring MVC module?

Response:

- ☒ To provide a web framework for building web applications
- ☐ To provide a data access framework for accessing databases
- ☐ To provide a caching framework for caching data
- ☐ To provide a security framework for securing web applications

Score 1.00 of 1

Question:

What is the purpose of the Spring JDBC module?

Response:

- ☒ To provide a data access framework for accessing databases
- ☐ To provide a web framework for building web applications
- ☐ To provide aspect-oriented programming functionality
- ☐ To provide caching functionality

Score 1.00 of 1

Question:

TypeScript is a ?

Response:

- ☐ strongly typed
- ☐ object oriented
- ☐ compiled language
- ☒ All of the above

Score 1.00 of 1

Question:

What is the purpose of the Spring IoC container?

Response:

- ☒ To manage the lifecycle of beans and their dependencies
- ☐ To handle the configuration of the application
- ☐ To provide a caching mechanism for the application
- ☐ To provide a security mechanism for the application

Score 1.00 of 1

Question:

A _____ in terms of OOP is a blueprint for creating objects.

Response:

method

function

constructor

 class

Score 1.00 of 1

Question:

In Spring MVC web applications, all the HTTP requests first come to which component?

Response:

 DispatcherServlet

Controller

HandlerMapper

None of the above

Score 1.00 of 1

Question:

Are singleton beans thread-safe?

Response:

Yes


 No

Score 1.00 of 1

Question:

What is the purpose of the Spring MVC module?

Response:

 To provide a web framework for building web applications

To provide a data access framework for accessing databases

To provide a caching framework for caching data

To provide a security framework for securing web applications

Score 1.00 of 1

Question:


Different ways to configure Spring-based applications?

Response:

XML based configuration

Java-based configuration

Annotation based configuration

 All of the above


Score 1.00 of 1

Question:

What is the type of the parameter: `'function ex(param1?: string){}'`?

Response:

string

 string | undefined

string | null

unknown

Score 1.00 of 1

Question:

In spring MVC, DispatcherServlet consults _____ to map the logical view name with the actual view implementation

Response:

 ViewResolver

Handler Mapper

Controller

Model

Score 1.00 of 1

Question:

Definitely Typed is _____

Response:

a superset of TypeScript

the official name of TypeScript

a project whose goal is to make types dynamic

 a project that provides a central repository of TypeScript definitions for NPM packages which do not have types


Question Results

Score 1.00 of 1

Question:

Select the correct statement to create ResultSet interface Object:

Response:


```
PreparedStatement stmt =  
connection.prepareStatement(String sql);ResultSet rs =  
new ResultSet();  
PreparedStatement stmt =  
 connection.prepareStatement(String sql);ResultSet rs =  
stmt.executeQuery();  
PreparedStatement stmt = new PreparedStatement(String  
sql);ResultSet rs = stmt.executeQuery();  
PreparedStatement stmt = new  
PreparedStatement();ResultSet rs =  
stmt.executeQuery(String sql);
```

Score 1.00 of 1

Question:

Which of the given is the correct implementation of Test suites?

Response:

```
import org.junit.runner.RunWith;  
import org.junit.runners.Suite;  
@RunWith  
@Suite.SuiteClasses({ TestCalAdd.class,  
TestCalSubtract.class,  
TestCalMultiply.class, TestCalDivide.class })  
public class CalSuite {  
  
}  
  
import org.junit.runner.RunWith;  
import org.junit.runners.Suite;  
@RunWith(Suite.class)  
@Suite.SuiteClasses({ TestCalAdd.class,  
TestCalSubtract.class,  
TestCalMultiply.class, TestCalDivide.class })  
 public class CalSuite {  
  
}
```

```
import org.junit.runner.RunWith;
import org.junit.runners.Suite;
@RunWith(Suite.class)
@Suite.SuiteClasses({ TestCalAdd.class,
TestCalSubtract.class,
TestCalMultiply.class, TestCalDivide.class })
public class CalSuite {
// the class remains completely empty,
// being used only as a holder for the above
annotations
}
```

```
import org.junit.runner.RunWith;
import org.junit.runners.Suite;




@Suite.SuiteClasses({ TestCalAdd.class,
TestCalSubtract.class,
TestCalMultiply.class, TestCalDivide.class })
public class CalSuite {
// the class remains completely empty,
// being used only as a holder for the above
annotations
}
```

Score 1.00 of 1

Question:

Choose the correct statements about parameterized test:

Response:

-  It allows to run the same test with different parameters
-  It can be specified as : @RunWith(Parameterized.class)
-  To use it, we need to add static method which returns collection of data.


It can be done with @RunWith(Suite.class)

Score 1.00 of 1

Question:

Which of the given options are mock frameworks?

Response:


-  DynaMock
-  Jmock
-  EasyMock
- StaticMock

Score 1.00 of 1

Question:

Which of the given method is used to create EasyMock?

Response:

- EasyMock.createMock();
-  EasyMock.createMock(Classname.class);
- EasyMock mock = new EasyMock();
- EasyMock mock = new EasyMock(Classname.class);


Score 1.00 of 1

Question:

What is the output of the given code?

```
public class MyClassTest { @Before public void setUp() {  
System.out.println("in setUp method"); } @After public void destroy() {  
System.out.println("in destroy method"); } @Test public void test1() {  
assert 'True('True); System.out.println("test case 1 executed"); }}
```

Response:


-  in setUp methodtest case 1 executedin destroy method
- test case 1 executed
- in setUp methodin destroy method
- Compilation fails

Score 1.00 of 1

Question:

Which of the following keyword is used with Data Control Language (DCL) statements?

Response:

- SELECT
- INSERT
- DELETE
-  GRANT

Score 1.00 of 1

Question:

Which of the SQL statements is correct?

Response:

SELECT Username AND Password FROM Users



SELECT Username, Password FROM Users

SELECT Username, Password WHERE Username = 'user1'

SELECT Username, Password FROM Users Username = 'user1'

Score 1.00 of 1

Question:

Which of the SQL statements is correct?

Response:

DELETE FROM employee WHERE first_name = 'Sneha', salary >= 40000;



DELETE FROM employee WHERE first_name = 'Sneha' AND salary >= 40000;

DELETE employee WHERE first_name = 'Sneha' AND salary >= 40000;

DELETE employee WHERE first_name = 'Sneha', salary >= 40000;

Score 1.00 of 1

Question:

Select the correct statement to create PreparedStatement interface Object:

Response:



PreparedStatement stmt = connection.prepareStatement(String sql);

PreparedStatement stmt = new preparedStatement(String sql);

PreparedStatement stmt = connection.prepareStatement();

PreparedStatement stmt = new preparedStatement();

Score 1.00 of 1

Question:

Which of the given statement is 'True about org.junit.runners.Suite class?

Response:



It runs group of test cases

It specifies runner class to run the annotated class

Both of the above

None of the above

Score 1.00 of 1

Question:


What is 'True about Connection Pooling?

Response:

It increase the performance system

It promotes reusability

Connection pool implementation not disconnect the link with the database even though client close the connection

 All of the above

Score 1.00 of 1

Question:

The scenario where you want to take data from user each time differently, this data you want to pass as an argument to the SQL query. Which of the following statement you will use to execute such query?

Response:

Statement

 PreparedStatement

CallableStatement

All of the above


Score 1.00 of 1

Question:

Which of the following methods is best suitable for executing a DML statement?

Response:

executeQuery()

 executeUpdate()

execute()

getResultSet()

Score 1.00 of 1

Question:

Which of the following are interfaces in JDBC API?

Response:

DriverManager

 PreparedStatement

 Connection

 ResultSet

 Statement

Score 1.00 of 1

Question:

Which of the following code snippet is most appropriate to roll back the transaction when an error occurs in the transaction?

Response:

```
conn.setAutoCommit('False');  
    // perform transactions  
    conn.commit();  
    conn.setAutoCommit('True');  
    conn.rollback();
```

```
try { conn.setAutoCommit('False'); // perform  
transactions conn.commit(); conn.setAutoCommit('True'); } catch (SQLException  
e) { conn.rollback(); }
```



```
try {  
    conn.setAutoCommit('True');  
    // perform transactions  
    conn.commit();  
    conn.setAutoCommit('False');  
} catch (SQLException e) {  
    conn.rollback();  
}
```

Transaction cannot be rolled back

Score 1.00 of 1

Question:

Which of the following methods of ResultSet interface helps in retrieving the type of each column in the resultSet?

Response:

getData()



getMetaData()

getType()

getColumnType()

Score 1.00 of 1

Question:

Pick up the valid statement to execute the following sql query:


```
PreparedStatement pstmt = con.prepareStatement("insert into student  
values(?,?)"); pstmt.setString(1, "Asha"); pstmt.setString(2, "Basha");
```


Response:

ResultSet rs = pstmt.executeQuery();

Pstmt.executeQuery();

ResultSet rs = pstmt.executeUpdate();

 None of the above

Score 1.00 of 1

Question:


ResultSet rs = stmt.executeQuery("SELECT name, rank, serialNo FROM employee");
Which of the following will get the value of 'name' from the above ResultSet rs?

Response:

rs.getString(0)

rs.getString(1)

rs.getString("name")


 None of the above

Score 1.00 of 1

Question:

Which driver is called as thin-driver in JDBC?

Response:

 Type-4 driver

Type-1 driver

Type-3 driver

Type-2 driver

Score 1.00 of 1

Question:

Select the output of the given code:

```
public class ForEachExample { public static void main(String[] args) {  
    List<String> gamesList = new ArrayList<String>();  
    gamesList.add("Football"); gamesList.add("Cricket");  
    gamesList.add("Chess"); gamesList.add("Hockey");  
    gamesList.add("Cricket"); gamesList.add("Chess");  
    gamesList.add("Football"); gamesList.add("null");  
    gamesList.add(null); Set<String> set =  
    gamesList.stream().collect(Collectors.toSet()); set.forEach(game ->  
    System.out.println(game)); }}
```

Response:

 ChessHockynullCricketnullFootball

ChessHockynullCricketFootball

FootballCricketChessHockyCricketChessFootballnull

FootballCricketChessHockyCricketChessFootballnullnull

Score 1.00 of 1

Question:

What will be the output of the given program?

```
class Test implements Runnable { public void run() {  
System.out.println("Run"); } } class Myclass { public static void  
main(String[] args) { Test t = new Test(); t.start();  
System.out.println("Main"); } }
```

Response:

Main Run

Run Main

 Compile time error

Depend upon JVM

Score 1.00 of 1

Question:

What will be the output of the given program?

```
class MyThread extends Thread { @Override public void run() {  
System.out.println("child thread"); }}public class ThreadDemo { public  
static void main(String args[]) { MyThread thread = new MyThread();  
thread.start(); thread.start(); }}
```

Response:

 child thread followed by RuntimeException

child threadchild thread

child thread


Compilation fails

Score 1.00 of 1

Question:

Select the correct 3 constants of Thread class:

Response:

 public static int MINIMUM_PRIORITYpublic static int
NORMAL_PRIORITYpublic static int MAXIMUM_PRIORITY
public static long MINIMUM_PRIORITYpublic static long
NORMAL_PRIORITYpublic static long MAXIMUM_PRIORITY
public static int MIN_PRIORITYpublic static int
NORM_PRIORITYpublic static int MAX_PRIORITY
public static long MIN_PRIORITYpublic static long
NORM_PRIORITYpublic static long MAX_PRIORITY

Score 1.00 of 1

Question:

What will be the output of the given program?

```
class Test implements Runnable { public void run() {  
System.out.println("Run"); } } class Myclass { public static void  
main(String[] args) { Thread t1 = new Thread(); t1.start();  
System.out.println("Main"); } }
```

Response:

Run

 Main

Compile time error

Run Main


Score 1.00 of 1

Question:

Select the correct statement to create a thread pool of 5 fixed thread:

Response:

ExecutorService executor = Executors.newThreadPool(5);

 ExecutorService executor =
Executors.newFixedThreadPool(5);

ExecutorService executor = new ExecutorService(5);

ExecutorService executor = new ThreadPoll(5);

Score 1.00 of 1

Question:

What are the two types of Streams offered by java 8?

Response:

 sequential and parallel

Sequential and random

parallel and random

random and synchronized

Score 1.00 of 1

Question:

What is Optional object used for?

Response:

Optional is used for optional runtime argument

Optional is used for optional spring profile

 Optional is used to represent null with absent value

Optional means it

Score 1.00 of 1

Question:


In Java 8 Interfaces, methods can be:

Response:

default

abstract

static


 All of the above

Score 1.00 of 1

Question:

Select the correct code snippet to display the output as 30:

Response:



```
'class Calculator { public static int add(int a, int b) { return a + b; }}public class MethodRefDemo {  
public static void main(String[] args) {  
BiFunction<Integer, Integer, Integer> adder =  
Calculator::add; int result = adder.apply(10, 20);  
System.out.println(result); }  
'class Calculator { public static int add(int a, int b) { return a + b; }}public class MethodRefDemo {  
public static void main(String[] args) {  
BiFunction<Integer, Integer, Integer> adder =  
Calculator.add(); int result = adder.apply(10, 20);  
System.out.println(result); }  
'class Calculator { public static int add(int a, int b) { return a + b; }}public class MethodRefDemo {  
public static void main(String[] args) {  
BiFunction<Integer, Integer, Integer> adder =  
Calculator::add(); int result = adder.apply(10, 20);  
System.out.println(result); }  
class Calculator { public static int add(int a, int b) { return a + b; }}public class MethodRefDemo { public  
static void main(String[] args) { BiFunction<Integer, Integer, Integer> adder = Calculator.add(); int  
result = adder.apply(10, 20);  
System.out.println(result); } }
```

Score 1.00 of 1

Question:

What will be the order of output of the program?


```
class Test extends Thread { public void run() {  
System.out.println("Run"); } } class Myclass { public static void  
main(String[] args) { Test t = new Test(); t.start();  
System.out.println("Main"); } }
```

Response:

Main Run

Run Main

Depend upon Program

 Depend upon JVM

Score 1.00 of 1

Question:

What is the output of the given code?

```
class Employee { int id; String name; public Employee() { } public
Employee(int id, String name) { this.id = id; this.name = name; }
//setters and getters}public class ComparableTest { public static void
main(String[] args) { List<Employee> list = new ArrayList<>();
list.add(new Employee(123, "Sugan")); list.add(new Employee(101,
"Kavita")); list.add(new Employee(132, "Anju")); Comparator<Employee>
comparator = (a, b) -> { return a.getName().compareTo(b.getName());
}; list.sort(comparator); list.forEach(e ->
System.out.println(e.getName())); }}
```

Response:

SuganKavitaAnju

 AnjuKavitaSugan

KavitaSuganAnju

Compilation fails

Score 1.00 of 1

Question:

What is the output of the givne code?

```
public class ForEachExample { public static void main(String[] args) {
List<String> trainers = new ArrayList<String>();
trainers.add("Soham"); trainers.add("Tina"); trainers.add("Anju");
trainers.add("Kavya"); trainers.add(null); trainers.add("null");
trainers.add("Soham"); trainers.add("Tina"); Set<String> list =
trainers.stream().filter(s ->
s.startsWith("S")).collect(Collectors.toSet());
System.out.println(list); }}
```


Response:

[Tina,Soham,null]

[Soham,Tina,Soham,Tina]

[Soham, Tina]

Compilation fails


 NullPointerException

Score 1.00 of 1

Question:

Select the correct code to display the message "Good Luck":

Response:



```
'interface MyLambda { public String test();}public
class LambdasTest { public static void main(String[]
args) { MyLambda my = () -> { return "Good Luck";
}; System.out.println(my.test()); }}
'interface MyLambda { public String test();}public
class LambdasTest { public static void main(String[]
args) { MyLambda my = (String s) -> { return "Good
Luck"; }; System.out.println(my.test()); }}
interface MyLambda { public String test();}public
class LambdasTest { public static void main(String[]
args) { MyLambda my = () -> { return "Good Luck";
} System.out.println(my.test()); }}
interface MyLambda { public String test();}public
class LambdasTest { public static void main(String[]
args) { MyLambda my = () -> { return "Good Luck";
}; my.test(); }}
```

Score 1.00 of 1

Question:

In java 8, void accept(T t) is a method of:

Response:

Predicate

Supplier

Function

 Consumer

Score 1.00 of 1

Question:

In java 8, R apply(T t) is a method of:

Response:

 Function

Process

Predicate

Consumer

Score 1.00 of 1


Question:

JUnit is used for _____ in Java Application.

Response:

Integration Testing

Code Review

 Unit Testing

Black Box Testing

Score 1.00 of 1

Question:

Which of the given annotation is used to do initialization of some task before each test run?

Response:

@Test

@After

@BeforeClass



@Before

Score 1.00 of 1

Question:

Which of the given option is correct for adding exception to the test method given below?

```
Public void divideByZeroTest(){calobj.divide(15,0);}
```

Note : calobj is an object of Calculate class which contains divide(int x,int y) method.

Response:



@Test(expected = ArithmeticException.class)

@Test(ArithmeticException.class)

@Before(ArithmeticException.class)

@Before(expected = ArithmeticException.class)

Score 1.00 of 1

Question:

Consider the following code snippet:

```
import static org.junit.Assert.assertEquals;import org.junit.Test;class Calculator { public long add(long number1, long number2) { return number1 + number2; }}public class CalculatorTest { @Test public void add() throws Exception { Calculator cal = new Calculator(); assertEquals(4, cal.add(1, 3)); }}
```

The above code returns compile time error. What change needs to be done in order to run the test successfully?

Response:

There is no error in the code above

The TestCase class has not been extended hence it not recognized as a Test class

Change the assertEquals method to assert"True(4,cal.add(1,3))



The assertEquals method should be written as assertEquals (4,cal.add(1,3))

Question Results

Score 1.00 of 1

Question:

What will be the value of sum after the while loop? `int j=9; int sum = 0; while (j<10) { sum += j ; j++; }`

Response:

0

 9

10


19

Score 0.00 of 1

Question:

Corrective maintenance activity in code construction comes after _____ activity

Response:

 System testing

Problem definition

Coding and debugging

System integration


Score 1.00 of 1

Question:

What will be optimized version of this loop?
`sum = 0; for (i=1; i<=N; i++) sum = sum + i * j / k + 10;`

Response:

`sum = 0; for (i=1; i<=N; i++) sum = sum + i * (j / k) + 10;`

 `sum = 0; m = j / k; for (i=1; i<=N; i++) sum = sum + i * m + 10;`

`sum = (j / k) + 10; for (i=1; i<=N; i++) sum = sum + i * m + 10;`

`sum = 0; m = j / k + 10; for (i=1; i<=N; i++) sum = sum + i * m;`

Score 0.00 of 1

Question:

Worst case scenario in sorting an array of 10 elements using Bubble sort would be ____ operations.

Response:

log 10

10

20

 100

Score 1.00 of 1


Question:

What type of loop would you use in these cases?
i. No. of times to loop is unknown initially
ii. No. of times to loop is known initially
iii. loop body needs to be executed at least once

Response:

i - while, ii - for, iii - for

i - while, ii - while, iii - for

 i - while, ii - for, iii - do..while

"for" loop for all

Score 1.00 of 1


Question:

Put these steps of building a program, in a correct sequence.
i. Check the design
ii. Check the code
iii. Code the program
iv. Design the program

Response:

i,ii, iii, iv

ii, iii, iv, i

 iv, i,iii, ii

iv, iii, i,ii

Score 0.00 of 1

Question:

It is better to use more number of global variables as they can be easily accessed from different routines.

Response:

TRUE


 FALSE

Score 1.00 of 1

Question:

Which among the following is a good code layout?

Response:

 float Calculate_Interest (double principal, float term_yrs, float rate_of_interest)

float Calculate_Interest (double principal, float term_yrs, float rate_of_interest)

float Calculate_Interest (double principal,float term_yrs,float rate_of_interest)

float Calculate_Interest (double p, float yrs, float r)

Score 1.00 of 1

Question:

What's wrong with this loop?
`i = 0; while (i < 10) {i--;}`

Response:

Variable i should be used only for 'for' loops



It's an infinite loop

It should be `i = i - 1` rather than `i--`;

Nothing wrong

Score 0.00 of 1

Question:

Checking for ranges of values (e.g. range of marks deciding the grade) is possible using 'case switch' statements.

Response:

TRUE



FALSE

Score 1.00 of 1

Question:

How can this loop be further optimized?
`sum = 0; for (i=1; i<=N; i++) sum = sum + i;`

Response:

`sum = 1; for (i=2; i<=N; i++) sum = sum + i;`

`sum = 0; for (i=1; i<N; i++) sum = sum + i; sum = sum + N;`

`sum = 0; for (i=0; i<=N; i++) sum = sum + i;`



`sum = N * (N+1)/2;`

Score 1.00 of 1

Question:

What will be 'unswitched loops' version for the following code?
`for (i=0; i<empcount; i++) {if (emptytype == 'P') sal[i] += sal[i] * 1.25; else sal[i] += sal[i] * 1.10;}`

Response:

`for (i=0; i<empcount; i++) {sal[i] += sal[i] * 1.10; if (emptytype == 'P') sal[i] += sal[i] * 1.25;}`

`sal[0] += sal[0] * 1.10; for (i=1; i<empcount; i++) {if (emptytype == 'P') sal[i] += sal[i] * 1.25;}`

`if (emptytype == 'P') for (i=0; i<empcount; i++) sal[i] += sal[i] * 1.25; else sal[i] += sal[i] * 1.10;}`



`if (emptytype == 'P') for (i=0; i<empcount; i++) sal[i] += sal[i] * 1.25; else for (i=0; i<empcount; i++) sal[i] += sal[i] * 1.10;}`

Score 1.00 of 1

Question:

Data of a program variable is stored in a file to be available even after program execution. This deals with the concept of:

Response:

Scope of variable



Persistence of variable

Binding time of variable

None of these

Score 1.00 of 1

Question:

Reducing the lines of code in a high-level language program may not improve the speed of the resulting machine code

Response:



TRUE

FALSE

Score 1.00 of 1

Question:

Which of these data structures can be used for sorting purpose?

Response:

Graph

Linked list



Tree

Circular queue

Score 0.00 of 1

Question:

Which program might run faster?

Response:

for (i=0; i<5; i++) strarr[i] = "NULL";

for (i=0; i<4; i++) strarr[i] = "NULL"; strarr[4] = "NULL";

strarr[0] = "NULL";for (i=1; i<5; i++) strarr[i] = "NULL";



strarr[0] = "NULL";strarr[1] = "NULL";strarr[2] = "NULL";strarr[3] = "NULL";strarr[4] = "NULL";

Score 1.00 of 1

Question:

How can this following search algorithm improved further?

```
for (i=0; i<count; i++) { if (a[i] == item) { found=true; } }
```

Response:

By reducing the value of count variable

By changing the data type of array a



By inserting a 'break' statement after 'found=true' within 'if'

By inserting a 'break' statement after 'found=true' after 'if'

Score 1.00 of 1

Question:

Data types of variables cannot determine

Response:

Type of data that can be stored

Amount of memory a variable occupies



Address where the variable can be stored in memory

The range of data that can be stored

Score 1.00 of 1

Question:

Ideal data type to indicate customer's gender i.e. either Male or Female is

Response:

Integer

Floating poing number

String array



Character

Score 1.00 of 1

Question:

Which of the following statements would fit in the blank space below in this searching loop?

```
for (i = 0; i < N; i++){ if (arr[i] == item){ found = true; _____ }}
```

Response:

continue

return

exit



break

Score 1.00 of 1

Question:

What's wrong with following program segment?

```
const int Pi = 3.14; float area = 0, rad = 5; Pi = 6.28; area = Pi * rad * rad;
```

Response:

'area' should be declared as 'int'



Value of 'Pi' cannot be changed

'Pi' should be assigned to 3.14 again

Area calculation method is wrong

Score 1.00 of 1

Question:

What is the equivalent 'jammed loop' version for the following code?
`for (i=0; i<10; i++) sum1 = sum1 + i; for (i=0; i<20; i++) sum2 = sum2 + i;`

Response:

`for (i=0; i<10; i++) { sum1 = sum1 + i; sum2 = sum2 + i;}`

`for (i=0; i<20; i++) { sum1 = sum1 + i; sum2 = sum2 + i;}`



`for (i=0; i<10; i++) { sum1 = sum1 + i; sum2 = sum2 + i; } for (i=10; i<20; i++) { sum2 = sum2 + i; }`

These loops cannot be jammed

Score 0.00 of 1

Question:

The OS maintains a _____ data structure to keep the processes that are to be executed next in line.

Response:

Linked list

Stack

Graph



Queue

Score 1.00 of 1

Question:

One has to think about efficiency of the program: i. While designing it. ii. While constructing it.

Response:

Only i.

Only ii.



Both i & ii

Neither i nor ii

Score 0.00 of 1


Question:

What is the output of following program segment?
`int option = 2; switch (option) { case 1: printf("One"); case 2: printf("Two"); case 3: printf("Three"); }`

Response:

One

Two

 TwoThree

Three

Score 1.00 of 1

Question:


Consider the array defined below:`int phoneno[5];` Which one of the following assignment is wrong?

Response:

`phoneno[1] = 1111;`

`phoneno[2] = 2222;`

`phoneno[2] = -2222;`

 `phoneno[5] = 5555;`

Score 1.00 of 1

Question:

Which is the best way to make the loop exit in the middle?

Response:

use goto statement

 use break statement

use return statement

use recursion

Score 1.00 of 1

Question:

How many times the loop will get executed?
`for (j=1; j>10; j++) sum = sum + i;`

Response:

 0

1

9


10

Score 1.00 of 1

Question:

Which among the following is an example of a program statement?
i. `a=0;` ii. `a + - b;` iii. `-b + a = a + b;`

Response:

 i only

ii only

ii & iii only

All are correct

Score 1.00 of 1

Question:

What will be printed if the value of x=20?if (x>10 AND x<20) print
HIGHelse print LOW

Response:

HIGH

 LOW

HIGHLOW

Nothing gets printed

Question Results

Score 0.00 of 1

Question:

Given:

```
public class Main { float result; public static void main(String[] args) { result = 5 / 2; System.out.println(result); }}
```

What will be the output?

Response:

2

2.0

2.5



Compile time error

Score 1.00 of 1

Question:

Analyze the following code and choose the correct answer:

```
int[] arr = new int[5];arr = new int[6];
```

Response:

The code has compile errors because the variable arr cannot be changed once it is assigned.

The code has runtime errors because the variable arr cannot be changed once it is assigned.



The code can compile and run fine. The second line assigns a new array to arr.

The code has compile errors because we cannot assign a different size array to arr.

Score 0.00 of 1

Question:

What is 'True about the following code?

```
enum EnumDemo { A }class Test { enum EnumD { B } void my_method() { enum EnumC { D } } }
```

Response:

The code compiles without any error

The code compiles if we remove line number 1



The code compiles if we remove line number 5

None of the above is correct

Score 1.00 of 1

Question:


Which of the following are Object class methods?

Response:

toString()

equals()

hashCode()

 All of the above

Score 1.00 of 1

Question:

What will happen when you attempt to compile and run the following class?

```
class Base { Base(int var) { System.out.println("Base"); }}class
Derived extends Base { public static void main(String argv[]) {
Derived obj = new Derived(); }}
```

Response:

Compiles without any problem

Compiles and produces output "Base"

 Generates Compile time error

None of the above

Score 1.00 of 1

Question:

```
public class Demos {                public static void main(String[] args)
{      String input = "Hello Welcome";      String pattern =
"\\sHello\\sWelcome\\s";      boolean flag = Pattern.matches(pattern,
input);      System.out.println(flag);}}
```

What will be the result?

Response:

'True

 'False

Compilation error

Exception

Score 0.00 of 1

Question:

```
class Employee{String name;int id;public Employee(String name,int
id){this.name = name;this.id=id;}}public class Manager extends
Employee{public static void main(String []args){Manager mgr = new
Manager();}}What will happen after execution of above code?
```

Response:

Manager class object will be successfully created



Compile time error as there is no default constructor in class Employee

Manager object will be successfully created after implementing default constructor in Manager class

Default constructor need to be implemented in both classes for successful creation of Manager class object

Score 1.00 of 1

Question:

What will be the output of the following code snippet?

```
String str1 = new String( "hello" );String str2 = "hello";           if
(str1==str2)                System.out.println( "Equals");           else
System.out.println( "Not Equal");
```

Response:

Equal



Not Equal

Compilation error

None of the above

Score 1.00 of 1

Question:

```
class Shape{final public double calArea(){} }public class Circle extends
Shape{int radius;public Circle(int radius){this.radius = radius;}public
double calArea(){return 3.142*radius*radius;}public static void
main(String []args){Shape obj = new
Circle(5);System.out.println(obj.calArea());}}
```

What will be the output of above code?

Response:

It will display area of circle with radius 5

no output



compilation error

runtime Exception

Score 1.00 of 1

Question:

Which of the following statements are 'True'?

Response:

No arg constructor is allways supplied by the Compiler

Constructors cannot be overloaded



Constructors cannot have return type.

Constructors can be static

Score 1.00 of 1

Question:

What will be the output after compiling and running following code?

```
public class Test{           public static void main(String[] args){
int a=5 , b=6, c=7;           System.out.println("Value is "+ b + c);
System.out.println(a + b + c);           System.out.println("String "
+ (b+c));           }}
```

Response:

- ☒ Value is 67 18 String 13
- ☐ Value is 13 18 String 13
- ☐ Value is 13 18 String
- ☐ Compilation fails

Score 1.00 of 1

Question:

What is the output of the given code?

```
public class Test {
    public static void main(String args[]) {
        final int i;
        i = 20;
        System.out.println(i);
    }
}
```

Response:

- ☒ 20
- ☐ compile time error
- ☐ runtime error
- ☐ 0

Score 1.00 of 1

Question:

Given :

```
public class Test {
    public static void main(String args[]) {
        int x = 12;
        while (x <10) {
            x--;
        }
        System.out.print(x); //line 7
    }
}
```

What is the result?

Response:

10

 12

Line 7 will never be reached.

0

Score 1.00 of 1

Question:

Given :

```
public class Test { public static void main(String args[]) { for (int
i = 0; i <= 10; i++) { if (i > 6) break; }
System.out.println(i); }}
```


What is the result?

Response:

6

7

10

 Compile time error

Score 1.00 of 1

Question:

What all gets printed when the following code is compiled and run?

```
public class test { public static void main(String args[]) {
for(int i = 0; i <2; i++) { for(int j = 2; j>= 0; j--) {
if(i == j) break; System.out.println("i=" + i + " j="+j);
} } }}
```

1. i=0 j=0 2. i=0 j=1 3. i=0 j=2 4. i=1 j=0 5. i=1 j=1 6. i=1 j=2

Response:

'1,3,5

'2,4,6

'1,2,5

 '3,2,6

Score 1.00 of 1

Question:

What is the output of the given code?

```
class SuperClass {
int b = 10;
}

class SubClass extends SuperClass {
int b = 20;
}
```

```
public class MainTest {  
    public static void main(String[] args) {  
        SuperClass object = new SubClass();  
        System.out.println(object.b);  
    }  
}
```

Response:



10

20

Compilation fails

0

Score 1.00 of 1

Question:

Given the following code fragment: `XXXX choice ; // variable choice is declared and initialized here`
`switch(choice) { case 100 :
System.out.println("One hundred");break ; case 20 :
System.out.println("Twenty");break ; case 30 :
System.out.println("Thirty");break ; }`
Choose the declarations of choice which will not cause a compiler error:

Response:

byte choice = 100 ;

short choice = 100 ;

int choice = 300 ;



All of the above

Score 1.00 of 1

Question:

Memory deallocation in java is done by:

Response:

Programmer

Operating system



Garbage collector

None of the above

Score 1.00 of 1


Question:

Automatic type conversion in Java takes place when:

Response:

Two type are compatible and size of destination type is shorter than source type.

Two type are compatible and size of destination type is equal of source type.

 Two type are compatible and size of destination type is larger than source type.

All of the above

Score 1.00 of 1

Question:


```
class Shape{Shape(){} }public class Triangle extends Shape{int
base,height;public Triangle(int base,int height){this.base =
base;this.height=height;}public double calArea(){return
o.5*base*height;}public static void main(String []args){Shape ref = new
Triangle(3,4);System.out.println(ref.calArea());}
Which change need to be done in the Shape class for successful
execution of program?
```

Response:

Declare Shape as abstract class

Remove default constructor from Shape class

declare abstract double calArea() in Shape class

 declare abstract double calArea() in Shape class and declare Shape class as abstract class

Score 1.00 of 1

Question:

Integer var1 = new Integer(2); Integer var2 = new Integer(2); What happens when you do if (var1==var2)?

Response:

'True

 'False

Compilation error

Runtime Exception

Score 1.00 of 1

Question:

```
public class RegexMatches{    private static String regex = "dog";
private static String input = "The dog says meow. " +"All dogs say
meow.";    private static String replace = "cat";    public static void
main(String[] args) {        //line no.1        Matcher m =
p.matcher(input);        INPUT = m.replaceAll(replace);
System.out.println(input);    }}
```

Which code need to be inserted at line no.1 to execute it successfully?

Response:

 Pattern p = Pattern.compile(regex);

Pattern p = Pattern.test(regex);

Pattern p = Pattern.matches(regex);

Pattern p = new Pattern(regex);

Score 1.00 of 1

Question:

Which of the given LocalDate class method is used to obtain current date?

Response:

- ☒ now()
- ☐ parse()
- ☐ format()
- ☐ newInstance()

Score 1.00 of 1

Question:

Which one of the following is a valid statement?

Response:

- ☐ char[] c = new char();
- ☒ char[] c = new char[5];
- ☐ char[] c = new char(4);
- ☐ char[] c = new char[];

Score 1.00 of 1

Question:

This always will points to:

Response:

- ☒ current class object
- ☐ super class object
- ☐ sub class object
- ☐ All of the above

Score 1.00 of 1

Question:

The Scanner class is found in _____ package.

Response:


- ☐ java.lang
- ☒ java.util
- ☐ java.io
- ☐ None of the above

Score 1.00 of 1

Question:

Which of the given syntax is correct to display date-time with the time zone in the ISO-8601 calendar system, such as 2007-12-03T10:15:30+01:00 Europe/Paris? (Assume the zone is Asia/kolkata.)

Response:

 `ZonedDateTime objt =
ZonedDateTime.of(LocalDate.now(),
ZoneId.of("Asia/Kolkata"));
LocalDate date =
LocalDate.now(ZoneId.of("Asia/Kolkata"));
ZonedDateTime time = new
ZonedDateTime("Asia/Kolkata");
ZonedDateTime time = new
ZonedDateTime.of("Asia/Kolkata");`

Score 1.00 of 1


Question:

What is the output of the given code?

```
class A { final void m1() { System.out.println("m1 called"); }}class B  
extends A { public void m2() { m1(); System.out.println("m2 called");  
}}public class Main { public static void main(String[] args) { B b =  
new B(); b.m1(); b.m2(); }}
```

Response:

m1 calledm2 called

 m1 calledm1 calledm2 called

Compilation fails

Runtime error

Score 1.00 of 1

Question:

State 'True or 'False:You can't use a Java keyword as an identifier.

Response:

 'True

'False

Score 1.00 of 1

Question:

When access modifier is omitted from the definition of the member of a class. The member has _____ access.

Response:

 default

public

private

protected

Score 1.00 of 1

Question:

Consider the following code:

```
interface Greek { } class Alpha implements Greek { } class Beta extends
Alpha {} class Delta extends Beta {      public static void main(
String[] args )      {      Beta obj = new Beta(); // insert code
here      } }
```

Which of the following code snippet when inserted individual at the commented line (// insert code here), will cause a java.lang.ClassCastException?

Response:

Greek objGrk = (Beta)(Alpha)obj;

Alpha objAlpha = obj;

Greek objGrk = (Alpha)obj;

Beta objBeta = (Beta)(Alpha)obj;

 Greek objGrk = (Delta)obj;

Score 1.00 of 1

Question:

What will be the output after compiling and running following code?

```
public class Test{      public static void main(String args[]){
int x =5;      x *= 3 + 7;      System.out.println(x); }}
```

Response:

22

 50

10

Compilation fails


Score 1.00 of 1

Question:

State 'True or 'False:We can use this in static methods.

Response:

'True

 'False

Score 1.00 of 1

Question:

```
public class test {
    static void methodA(short s) {
        System.out.println("methodA(short) called");
    }
    static void methodA(int i) {
        System.out.println("methodA(int) called");
    }
}
```

```


static void methodB(float f) {
System.out.println("methodB(float) called");
}
static void methodB(double d) {
System.out.println("methodB(double) called");
}

public static void main(String args[]) {
methodA(5);
methodB(5.2);
}
}

```

Response:

methodA(short) called methodB(float) called

 methodA(int) called methodB(double) called

methodA(int) called methodB(float) called

Compilation fails

Score 1.00 of 1


Question:

The concept of multiple inheritance is implemented in Java by:I.
Extending two or more classes.II. Extending one class and implementing
one or more interfaces.III. Implementing two or more interfaces.

Response:

Only (II)

(I) and (II)

 (II) and (III)

Only (I)

Only (III)

Score 1.00 of 1

Question:

Given:

```

public class Demo { //Line 1public static void main (String[] args) {
//Line 2byte var1 = 127; //Line 3byte var2 = 126; //Line 4 byte
result = var1 + var2; //Line 5}}
Which statement is 'True?

```

Response:

Compilation succeeds and d takes the value 253.

 Line 5 contains an error that prevents compilation.

Line 5 throws an exception indicating "Out of range"

Line 3 and 4 contain errors that prevent compilation.


Score 1.00 of 1

Question:

What will be the result of compiling and running the given code?

```
class SuperClass { int b = 10; private SuperClass() { this.b = 7; }  
int f() { return b; }}  
class SubClass extends SuperClass { int b;}  
public class MainTest { public static void main(String[] args) {  
SuperClass a = new SubClass(); System.out.println(a.f()); }}
```

Response:

 **Compilation Fails**

Prints 0

Prints 10

Prints 7

Score 1.00 of 1

Question:

```
class Demo{}  
public class SubDemo extends Demo{  
public static void main(String []args){  
Demo obj = new SubDemo();  
System.out.println(obj instanceof Demo);  
}}
```

What will be the output of above code?

Response:

False

 **True**

Demo

SubDemo

Score 1.00 of 1

Question:

What is the Regular Expression Matching Zero or More Specific Characters?

Response:

\

\$

 *****

^

Score 1.00 of 1

Question:


Which of the following are features of Java Programming Language?

Response:

Robust

Multithreaded

Interpreted

 All of the above

Question Results

Score 1.00 of 1

Question:

Which of the following creates a List of 3 visible items and multiple selections abled?

Response:

- ☐ new List(false, 3)
- ☒ new List(3, true)
- ☐ new List(true, 3)
- ☐ new List(3, false)

Score 1.00 of 1

Question:

What does the expression `float a = 35 / 0` return?

Response:

- ☐ 0
- ☐ Not a Number
- ☒ Infinity
- ☐ Run time exception

Score 1.00 of 1

Question:

Which of the following is a valid syntax to synchronize the HashMap?

Response:

- ☐ `Map m = hashMap.synchronizeMap();`
- ☐ `HashMap map =hashMap.synchronizeMap();`
- ☒ `Map m1 = Collections.synchronizedMap(hashMap);`
- ☐ `Map m2 = Collection.synchronizeMap(hashMap);`

Score 1.00 of 1

Question:

What is the default encoding for an `OutputStreamWriter`?

Response:

- ☐ UTF-8
- ☒ Default encoding of the host platform
- ☐ UTF-12
- ☐ None of the above

Score 1.00 of 1


Question:

What will be the output of the following program? `public class Test {
public static void main(String[] args) { int count = 1; while (count <= 15) { System.out.println(count
% 2 == 1 ? "***" : "++++"); ++count; } // end while } // end main }`

Response:

15 times ***

15 times +++++

 8 times *** and 7 times +++++

Both will print only once

Score 1.00 of 1

Question:


Which of the following is a valid long literal?

Response:

ABH8097

L990023

904423

 0xnf029L

Score 1.00 of 1


Question:

Which option is false about the final keyword?

Response:

A final method cannot be overridden in its subclasses.

A final class cannot be extended.

 A final class cannot extend other classes.

A final method can be inherited.

Score 1.00 of 1

Question:


What is the result of the following program? `public static synchronized
void main(String[] args) throws InterruptedException { Thread f = new
Thread(); f.start(); System.out.print("A"); f.wait(1000);
System.out.print("B"); }`

Response:

It prints A and B with a 1000 seconds delay between them

It only prints A and exits

It only prints B and exits

 A will be printed, and then an exception is thrown.

Score 1.00 of 1

Question:

Which of the following is a valid declaration of a char?

Response:

- ☒ char ch = '\utea';
- ☐ char ca = 'tea';
- ☐ char cr = \u0223;
- ☐ char cc = '\itea';

Score 1.00 of 1

Question:

In character stream I/O, a single read/write operation performs _____

Response:

- ☒ Two bytes read/write at a time.
- ☐ Eight bytes read/write at a time.
- ☐ One byte read/write at a time.
- ☐ Five bytes read/ write at a time.

Score 1.00 of 1

Question:

The \u0021 article referred to as a

Response:

- ☒ Unicode escape sequence
- ☐ Octal escape
- ☐ Hexadecimal
- ☐ Line feed

Score 1.00 of 1

Question:

```
int values[ ] = {1,2,3,4,5,6,7,8,9,10}; for(int i=0;i< Y; ++i)
System.out.println(values[i]); Find the value of value[i]?
```

Response:

- ☐ 10
- ☐ 11
- ☐ 15
- ☒ None of the above

Score 1.00 of 1

Question:

What will be the output of the following program? public class Test2 {
public static void main(String[] args) { StringBuffer s1 = new
StringBuffer("Complete"); s1.setCharAt(1,'i'); s1.setCharAt(7,'d'); System.out.println(s1); } }

Response:

Complete

lomplede

 Cimpletd

Coipletd

Score 1.00 of 1


Question:

Which of the given methods are of Object class?

Response:

notify(), wait(long msec), and synchronized()

wait(long msec), interrupt(), and notifyAll()

 notify(), notifyAll(), and wait()

sleep(long msec), wait(), and notify()

Score 1.00 of 1

Question:

What will be the output of the following program?


```
public class MyFirst {  
    public static void main(String[] args) { MyFirst obj = new MyFirst(n); }  
    static int a = 10; static int n; int b = 5; int c; public MyFirst(int m) {  
        System.out.println(a + ", " + b + ", " + c + ", " + n + ", " + m);  
    }  
    // Instance Block { b = 30; n = 20; }  
    // Static Block static { a = 60; } }
```

Response:

10, 5, 0, 20, 0

10, 30, 20

60, 5, 0, 20

 60, 30, 0, 20, 0

Score 1.00 of 1


Question:

What will be the output of the following program?

```
abstract class MyFirstClass  
{ abstract num (int a, int b) { } }
```

Response:

No error

 Method is not defined properly

Constructor is not defined properly

Extra parentheses

Score 1.00 of 1

Question:

What should be the execution order, if a class has a method, static block, instance block, and constructor, as shown below?

```
public class First_C {
```



```
public void myMethod() { System.out.println("Method"); }

{ System.out.println(" Instance Block"); }

public void First_C() { System.out.println("Constructor "); } static { System.out.println("static
block"); } public static void main(String[] args) { First_C c = new
First_C(); c.First_C(); c.myMethod(); } }
```

Response:

Instance block, method, static block, and constructor

Method, constructor, instance block, and static block

Static block, method, instance block, and constructor

 Static block, instance block, constructor, and method

Score 1.00 of 1


Question:

Which of the following code segment would execute the stored procedure "getPassword()" located in a database server?

Response:

CallableStatement cs =
connection.prepareCall("{ call.getPassword()}");cs.executeQuery();

CallabledStatement callable = conn.prepareCall("{ call
getPassword()}");callable.executeUpdate();

 CallableStatement cab = con.prepareCall("{ call
getPassword()}");cab.executeQuery();


Callablestatement cstate = connect.prepareCall("{ call
getpassword()}");cstate.executeQuery();

Score 1.00 of 1

Question:

Which of the following for loop declaration is not valid?

Response:

 for (int i = 99; i >= 0; i / 9)

for (int i = 7; i <= 77; i += 7)

for (int i = 20; i >= 2; - -i)

for (int i = 2; i <= 20; i = 2* i)

Score 1.00 of 1

Question:

Evaluate the following Java expression, if x=3, y=5, and z=10: ++z + y
- y + z + x++

Response:

24

23

20



25