1Z0-811 Q&As

Java Foundations

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QUESTION 1

Given the code fragment: What is the result?

```
String flavors[] = {"Vanilla", "Chocolate"};
int choice = 2;
switch(choice) {
     case 1:
          System.out.println("Selected " + flavors[1] + " flavor.");
          break;
     case 2:
          System.out.println("Selected " + flavors[2] + " flavor.");
          break;
     default:
          System.out.println("Thank you!");
}
```

A. Selected null flavor.

B. Selected Chocolate flavor.

C. An ArrayIndexOutofBoundsException is thrown at run time.

D. Selected Chocolate flavor. Thank you!

Correct Answer: C

```
13 public class App {
14   public static void main (String[] args) {
15     String flavors[] = {"Vanilla", "Chocolate"};
16     int choice = 2;
17     switch(choice) {
18         case 1:
19             System.out.println("Selected " + flavors[1] + " flavor. ");
20             break;
21         case 2:
22             System.out.println("Selected " + flavors[2] + " flavor. ");
23             break;
24         default:
25             System.out.println("Thank you!");
26     }
27   }
28
29 }
```

Execute Mode, Version, Inputs & Arguments

JDK 11.0.4

Interactive

Stdin Inputs

CommandLine Arguments

Execute

Result

CPU Time: 0.14 sec(s), Memory: 30980 kilobyte(s)

```
Exception in thread "main" java.lang.ArrayIndexOutOfBoundsException: Index 2 out of bounds for length 2
    at App.main(App.java:22)
```

QUESTION 2

```
13 public class App {
14   public static void main (String[] args) {
15     String s= "Hello Java";
16     System.out.println (s.length());
17     s.concat ("SE8");
18     System.out.println (s.length ());
19   }
20
21 }
```

Execute Mode, Version, Inputs & Arguments

JDK 11.0.4

CommandLine Arguments

Result

CPU Time: 0.14 sec(s), Memory: 30272 kilobyte(s)

```
10
10
```

Given the code fragment:

```
public static void main(String[] args) {
    int[] arr = {10, 0};
    int i = 0;
    try {
    int answer = arr[i] / arr[i + 1];
    } catch (Exception e) {
    System.out.println("Unknown issues.");
    } catch (ArithmeticException ae) {
        System.out.println("Invalid divisor.");
    }
}
```

What is the result?

A. Unknown issues. Invalid divisor.

B. Unknown issues.

C. Invalid divisor.

D. A compilation error occurs.

Correct Answer: D

```
public class App {
  public static void main (String[] args) {
    int[] arr = {10, 0};
    int i = 0;
    try {
        int answer = arr[i] / arr[i + 1];
    } catch (Exception e) {
        System.out.println("Unknown issues.");

    } catch (ArithmeticException ae) {
        System.out.println("Invalid divisor.");
    }
  }

}
```

Execute Mode, Version, Inputs & Arguments

JDK 11.0.4

Interacti

CommandLine Arguments

Execu

esult

PU Time: sec(s), Memory: kilobyte(s)

```
/App.java:22: error: exception ArithmeticException has already been caught
    } catch (ArithmeticException ae) {
      ^
1 error
```

QUESTION 3

Which statement is true about primitive variables?

A. They can be compared with the == operator.

B. They can be compared with the equals method only.

C. They cannot be compared.

D. They can be compared with the compareTo method only.

Correct Answer: B

Reference: https://stackoverflow.com/questions/9690981/compare-two-primitive-long-variables-in-java

QUESTION 4

```
14 public class calc {
15     public static void main (String[] args) {
16     String name = "Fred";
17     System.out.println("Hello" + //Saying hello
18                        name); // to Fred
19     System.out.println("Good /* and " +
20                        "greeting */ day!");
21     System.out //A welcome message
22                .println("Welcome " + name);
23     System.out.println("Goodbye /* Farewell + name"
24     }
25 }
```

Execute Mode, Version, Inputs & Arguments

JDK 11.0.4

CommandLine Arguments

Result

CPU Time: 0.19 sec(s), Memory: 31928 kilobyte(s)

```
HelloFred
Good /* and greeting */ day!
Welcome Fred
Goodbye /* Farewell + name
```

Identify two class variables.

A. private static int numberOfSquares = 20;

B. public static int counter = 0;

C. private Measure cm;

D. public int size = 10;

E. int scale = 35;

Correct Answer: AB

Reference: https://www.tutorialspoint.com/What-are-class-variables-instance-variables-and-local-variables-in-Java

QUESTION 5

You have been asked to develop a Java program that prints the elements of an array in reverse order.

Which looping statement cannot be used to meet the requirement?

A. enhanced for

B. standard for

C. while

D. do-while

Correct Answer: D

Reference: https://www.javatpoint.com/java-program-to-print-the-elements-of-an-array-in-reverse-order

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