

Vendor: Oracle

Exam Code: 1Z0-808

Exam Name: Java SE 8 Programmer I

Question 91—Question 100

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QUESTION 91

Given the code fragment:

```
int b = 3;
if ( !(b > 3)) {
    System.out.println("square");
} {
    System.out.println("circle");
}
System.out.println("...");
```

What is the result?

- A. square...
- B. circle...
- C. squarecircle...
- D. Compilation fails.

Answer: C

QUESTION 92

What is the proper way to defined a method that take two int values and returns their sum as an int value?

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- A. `int sum(int first, int second) { first + second; }`
- B. `int sum(int first, second) { return first + second; }`
- C. `sum(int first, int second) { return first + second; }`
- D. `int sum(int first, int second) { return first + second; }`
- E. `void sum (int first, int second) { return first + second; }`

Answer: D

Explanation:

Incorrect answers:

A: no return statement

QUESTION 93

Which two are Java Exception classes?

- A. `SecurityException`
- B. `DuplicatePathException`
- C. `IllegalArgumentException`
- D. `TooManyArgumentsException`

Answer: AC

QUESTION 94

Given the for loop construct:

```
for ( expr1 ; expr2 ; expr3 ) {  
    statement;  
}
```

Which two statements are true?

- A. This is not the only valid for loop construct; there exists another form of for loop constructor.
- B. The expression `expr1` is optional.
it initializes the loop and is evaluated once, as the loop begin.
- C. When `expr2` evaluates to false, the loop terminates.
It is evaluated only after each iteration through the loop.
- D. The expression `expr3` must be present.

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It is evaluated after each iteration through the loop.

Answer: AB

Explanation:

A is true because there are two types of for loop in Java. Classic and Enhanced.

B is true because we can run code like for(; expr2 ; expr3).

C is false because expr2 is evaluated BEFORE each iteration.

D is false because we can run code like for(expr1; expr2;).

<http://www.java-tips.org/java-se-tips-100019/24-java-lang/480-the-enhanced-for-loop.html>

QUESTION 95

What is the result?

```
public class StringReplace {  
    public static void main(String[] args) {  
        String message = "Hi everyone!";  
        System.out.println("message = " + message.replace("e", "X"));  
    }  
}
```

- A. message = Hi everyone!
- B. message = Hi XvXryonX!
- C. A compile time error is produced.
- D. A runtime error is produced.
- E. message =
- F. message = Hi Xveryone!

Answer: B

QUESTION 96

Which two statements are true for a two-dimensional array?

- A. It is implemented as an array of the specified element type.
- B. Using a row by column convention, each row of a two-dimensional array must be of the same size
- C. At declaration time, the number of elements of the array in each dimension must be specified
- D. All methods of the class Object may be invoked on the two-dimensional array.

Answer: AD

QUESTION 97

Which three statements are benefits of encapsulation?

- A. allows a class implementation to change without changing the clients
- B. protects confidential data from leaking out of the objects
- C. prevents code from causing exceptions
- D. enables the class implementation to protect its invariants
- E. permits classes to be combined into the same package
- F. enables multiple instances of the same class to be created safely

Answer: ABD

QUESTION 98

Given the code fragment:

```
1. ArrayList<Integer> list = new ArrayList<>(1);  
2. list.add(1001);  
3. list.add(1002);  
4. System.out.println(list.get(list.size()));
```

What is the result?

- A. Compilation fails due to an error on line 1.
- B. An exception is thrown at run time due to error on line 3
- C. An exception is thrown at run time due to error on line 4
- D. 1002

Answer: C

Explanation:

The code compiles fine.

At runtime an `IndexOutOfBoundsException` is thrown when the second list item is added.

QUESTION 99

Given the code fragment:

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```
String[] colors = {"red", "blue", "green", "yellow", "maroon", "cyan"};
```

Which code fragment prints blue, cyan, ?

```
C A) for (String c:colors){  
    if (c.length() != 4) {  
        continue;  
    }  
    System.out.print(c+", ");  
}  
  
C B) for (String c:colors[]) {  
    if (c.length() <= 4) {  
        continue;  
    }  
    System.out.print(c+", ");  
}  
  
C C) for (String c:String[] colors) {  
    if (c.length() >= 3) {  
        continue;  
    }  
    System.out.print(c+", ");  
}  
  
C D) for (String c:colors){  
    if (c.length() != 4) {  
        System.out.print(c+", ");  
        continue;  
    }  
}
```

- A. Option A
- B. Option B
- C. Option C
- D. Option D

Answer: A

QUESTION 100

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View the Exhibit.

```
public class Hat {  
    public int ID =0;  
    public String name = "hat";  
    public String size = "One Size Fit All";  
    public String color="";  
    public String getName() { return name; }  
    public void setName(String name) {  
        this.name = name;  
    }  
}
```

Given:

```
public class TestHat {  
    public static void main(String[] args) {  
        Hat blackCowboyHat = new Hat();  
    }  
}
```

Which statement sets the name of the Hat instance?

- A. blackCowboyHat.setName = "Cowboy Hat";
- B. setName("Cowboy Hat");
- C. Hat.setName("Cowboy Hat");
- D. blackCowboyHat.setName("Cowboy Hat");

Answer: D