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Java Foundations

Oracle 1z0-811

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QUESTION NO: 1

Which two Java reserved words are used to implement encapsulation?

- A. final
- B. static
- C. public
- D. extends
- E. private

ANSWER: C E

Explanation:

Reference: <https://learn.saylor.org/mod/page/view.php?id=22044>

QUESTION NO: 2

Identify three features of the Java programming language.

- A. distributed
- B. direct memory management
- C. multithreaded
- D. strongly typed
- E. dynamically typed

ANSWER: A C E

Explanation:

Reference: <https://www.tutorialspoint.com/What-are-the-major-features-of-Java-programming>

QUESTION NO: 3

Given the code fragment:

```
1. class App {  
2.  
3. }
```

Which two code fragments are valid at line 2?

- A. `for (int count = 0; count < 5; count++) {
System.out.print(count);
}`
- B. `package p1;`
- C. `import java.util.*; public void display() { List nums = new ArrayList<> ();
}`
- D. `{
private int num;
}`
- E. `private String name = "John";
public void display() { System.out.print(name);
}`

ANSWER: B E

QUESTION NO: 4

Given the code fragment:

```
String[] flowers = {"lotus", "lily", "rose", "jasmine"};  
for (String c : flowers) {  
    if (c.length() < 4) {  
        continue;  
    }  
    System.out.print(c + " ");  
    if (c.length() == 4) {  
        break;  
    }  
}
```

What is the result?

- A. lotus jasmine
- B. lotus
- C. A compilation error occurs.

D. lotus lily

ANSWER: D

Explanation:

```
15 public class Test {
16     public static void main (String[] args) {
17         String[] flowers = {"lotus", "lily", "rose", "Jasmine"};
18         for (String c : flowers) {
19             if (c.length () < 4) {
20                 continue;
21             }
22             System.out.print(c + " ");
23             if (c.length() == 4) {
24                 break;
25             }
26         }
27     }
28 }
29 }
```

Execute Mode, Version, Inputs & Arguments

JDK 11.0.4

In

CommandLine Arguments



Result

CPU Time: 0.20 sec(s), Memory: 34316 kilobyte(s)

lotus lily

QUESTION NO: 5

You have a microprocessor board, such as Raspberry PI, wired to control a drone.

Which edition of Java is geared towards use of simple, closed systems with constrained memory requirements, such as a microprocessor board?

A. Java Micro Edition

- B. Java Standard Edition with a Compact Profile
- C. Java Enterprise Edition
- D. Java SE Embedded

ANSWER: D

Explanation:

Reference: <https://www.oracle.com/technical-resources/articles/java/raspberrypi.html>

QUESTION NO: 6

Which statement is true about a mutator method?

- A. It replaces the default constructor.
- B. It returns mutated instance members.
- C. It must be declared private.
- D. It can be used to assign data to instance members.

ANSWER: B

Explanation:

Reference: <https://core.ac.uk/download/pdf/4824892.pdf>

QUESTION NO: 7

Which two statements are true about the Java Runtime Environment (JRE)?

- A. It is responsible for garbage collection.
- B. It interprets bytecode stored in a .class file.
- C. It contains the JDK and Java APIs.
- D. It is platform independent.
- E. You must install the JRE to compile a .java file.

ANSWER: B D

Explanation:

Reference: https://en.wikipedia.org/wiki/Java_virtual_machine

QUESTION NO: 8

Given the code fragment:

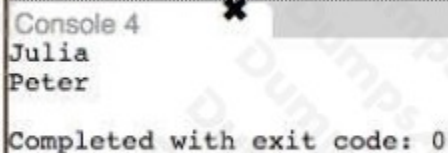
```
List<String> names = new ArrayList<> ();  
names.add("Julia");  
names.add("Peter");  
for (Iterator<String> itr = names.iterator (); itr.hasNext();) {  
    System.out.println(itr.next());  
}
```

What is the result?

- A. A compilation error occurs.
- B. A runtime exception is thrown.
- C. Julia
Peter
- D. Peter
Julia

ANSWER: C

Explanation:



```
Console 4  
Julia  
Peter  
Completed with exit code: 0
```

QUESTION NO: 9

Given the code fragment:

```
String a = "Java";  
String b = new String ("Java");  
System.out.println (a.equals(b));  
System.out.println (a==b);
```

What is the result?

- A. false false
- B. true true
- C. true false
- D. false true

ANSWER: A

Explanation:

```
14 public class Course {
15     public static void main (String[] args) {
16         String a = "java";
17         String b = new String ("Java");
18         System.out.println (a.equals(b));
19         System.out.println (a==b);
20     }
21 }
```

Execute Mode, Version, Inputs & Arguments

JDK 11.0.4

CommandLine Arguments

Result

CPU Time: 0.14 sec(s), Memory: 30316 kilobyte(s)

```
false
false
```

QUESTION NO: 10

Identify two valid data types for the operands of the addition (+) operator?

- A. string
- B. boolean

C. numeric

D. array

ANSWER: A D

Explanation:

Reference: <https://www.iitk.ac.in/esc101/05Aug/tutorial/java/nutsandbolts/arithmetic.html>