

Vendor: Oracle

Exam Code: 1Z0-808

Exam Name: Java SE 8 Programmer I

Question 121—Question 130

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QUESTION 121

Given:

```
public class TestLoop {  
    public static void main(String[] args) {  
        int array[] = {0, 1, 2, 3, 4};  
        int key = 3;  
        for (int pos = 0; pos < array.length; ++pos) {  
            if (array[pos] == key) {  
                break;  
            }  
        }  
        System.out.print("Found " + key + "at " + pos);  
    }  
}
```

What is the result?

- A. Found 3 at 2
- B. Found 3 at 3
- C. Compilation fails
- D. An exception is thrown at runtime

Answer: C

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Explanation:

The following line does not compile:

```
System.out.print("Found " + key + "at " + pos);
```

The variable pos is undefined at this line, as its scope is only valid in the for loop. Any variables created inside of a loop are LOCAL TO THE LOOP.

QUESTION 122

Given:

```
import java.util.*;
public class Ref {
    public static void main(String[] args) {
        StringBuilder s1 = new StringBuilder("Hello Java!");
        String s2 = s1.toString();
        List<String> lst = new ArrayList<String>();
        lst.add(s2);
        System.out.println(s1.getClass());
        System.out.println(s2.getClass());
        System.out.println(lst.getClass());
    }
}
```

What is the result?

- A. class java.lang.String
class java.lang.String
class java.util.ArrayList
- B. class java.lang.Object
class java.lang. Object
class java.util.Collection
- C. class java.lang.StringBuilder
class java.lang.String
class java.util.ArrayList
- D. class java.lang.StringBuilder
class java.lang.String
class java.util.List

Answer: C

Explanation:

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class java.lang.StringBuilder
class java.lang.String
class java.util.ArrayList

QUESTION 123

Given:

```
public class Case {  
    public static void main(String[] args) {  
        String product = "Pen";  
        product.toLowerCase();  
        product.concat(" BOX".toLowerCase());  
        System.out.print(product.substring(4, 6));  
    }  
}
```

What is the result?

- A. box
- B. nbo
- C. bo
- D. nb
- E. An exception is thrown at runtime

Answer: E

QUESTION 124

Given:

```
1. public class Whizlabs {  
2.     public static void main(String[] args) {  
3.         int sum = 0;  
4.  
5.         for(int x = 0;x<=10;x++)  
6.             sum += x;  
7.         System.out.print("Sum for 0 to " + x);  
8.         System.out.println(" = " + sum);  
9.     }  
10. }
```

Which is true?

- A. Sum for 0 to 0 = 55
- B. Sum for 0 to 10 = 55
- C. Compilation fails due to error on line 6.
- D. Compilation fails due to error on line 7.
- E. An Exception is thrown at the runtime.

Answer: D

Explanation:

Loop variables scope limited to that enclosing loop. So in this case, the scope of the loop variable x declared at line 5, limited to that for loop. Trying to access that variable at line 7, which is out of scope of the variable x, causes a compile time error. So compilation fails due to error at line 7. Hence option D is correct. Options A and B are incorrect, since code fails to compile. Reference: <https://docs.oracle.com/javase/tutorial/java/nutsandbolts/variables.html>

QUESTION 125

Given the code fragment:

```
System.out.println( 28 + 5 <= 4 + 29 );  
System.out.println( ( 28 + 5 ) <= ( 4 + 29 ) );
```

What is the result?

- A. 28false29
true

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- B. $285 < 429$
true
- C. true
true
- D. compilation fails

Answer: C

QUESTION 126

Given:

```
public class Equal {  
    public static void main(String[] args) {  
        String str1 = "Java";  
        String[] str2 = {"J", "a", "v", "a"};  
        String str3 = "";  
        for (String str : str2) {  
            str3 = str3+str;  
        }  
        boolean b1 = (str1 == str3);  
        boolean b2 = (str1.equals(str3));  
        System.out.print(b1+", "+b2);  
    }  
}
```

What is the result?

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

Answer: B

Explanation:

== strict equality.

equals compare state, not identity.

QUESTION 127

Given:

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```
public class Test {  
  
    static void dispResult(int[] num) {  
        try {  
            System.out.println(num[1] / (num[1] - num[2]));  
        } catch (ArithmeticException e) {  
            System.err.println("first exception");  
        }  
        System.out.println("Done");  
    }  
  
    public static void main(String[] args) {  
        try {  
            int[] arr = {100, 100};  
            dispResult(arr);  
        } catch (IllegalArgumentException e) {  
            System.err.println("second exception");  
        } catch (Exception e) {  
            System.err.println("third exception");  
        }  
    }  
}
```

What is the result?

- A. 0
Done
- B. First Exception
Done
- C. Second Exception
- D. Done
Third Exception
- E. Third Exception

Answer: E

QUESTION 128

Given:

```
public class Marklist {  
    int num;  
    public static void graceMarks(Marklist obj4) {  
        obj4.num += 10;  
    }  
    public static void main(String[] args) {  
        MarkList obj1 = new MarkList();  
    }  
}
```

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```
MarkList obj2 = obj1;  
MarkList obj1 = null;  
obj2.num = 60;  
graceMarks(obj2);  
}  
}
```

How many objects are created in the memory runtime?

- A. 1
- B. 2
- C. 3
- D. 4

Answer: A

QUESTION 129

Given:

```
public class X implements Z {  
    public String toString() {  
        return "X ";  
    }  
    public static void main(String[] args) {  
        Y myY = new Y();  
        X myX = myY;  
        Z myZ = myX;  
        System.out.print(myX);  
        System.out.print((Y)myX);  
        System.out.print(myZ);  
    }  
}  
  
class Y extends X {  
    public String toString() {  
        return "Y ";  
    }  
}
```

- A. X XX
- B. X Y X

- C. YYX
- D. YY

Answer: D

QUESTION 130

Given:

```
class Patient {  
    String name;  
    public Patient(String name) {  
        this.name = name;  
    }  
}  
  
And the code fragment:  
  
8. public class Test {  
9.     public static void main(String[] args) {  
10.         List ps = new ArrayList();  
11.         Patient p2 = new Patient("Mike");  
12.         ps.add(p2);  
13.           
14.         // insert code here  
15.           
16.         if (f >= 0 ) {  
17.             System.out.print("Mike Found");  
18.         }  
19.     }  
20. }
```

Which code fragment, when inserted at line 14, enables the code to print Mike Found?

- A. `int f = ps.indexOf {new patient ("Mike")};`
- B. `int f = ps.indexOf (patient("Mike"));`
- C. `patient p = new Patient ("Mike");`
`int f = pas.indexOf(P)`
- D. `int f = ps.indexOf(p2);`

Answer: D