

Java SE 7 Programmer (Exams 1Z0-803 & 1Z0-804)

QUESTION 1

Given:

```
public class ScopeTest {
    int z;
    public static void main(String[] args){
        ScopeTest myScope = new ScopeTest();
        int z = 6;
        System.out.println(z);
        myScope.doStuff();
        System.out.println(z);
        System.out.println(myScope.z);
    }
    void doStuff() {
        int z = 5;
        doStuff2();
        System.out.println(z);
    }
    void doStuff2() {
        z=4;
    }
}
```

What is the result?

- A. 6 5 6 4
- B. 6 5 5 4
- C. 6 5 6 6
- D. 6 5 6 5

Correct Answer:

QUESTION 2

Given:

```
public class Batman {
    int squares = 81;
    public static void main(String[] args) {
        new Batman().go();
    }
    void go() {
        incr(++squares);
        System.out.println(squares);
    }
    void incr(int squares) { squares += 10; }
}
```

What is the result?

- A. 81
- B. 82
- C. 91
- D. 92
- E. Compilation fails.
- F. An exception is thrown at runtime.

Correct Answer:

QUESTION 3

Given:

```
class StaticField {
    static int i = 7;
    public static void main(String[] args) {
        StaticFied obj = new StaticField();
        obj.i++;
        StaticField.i++;
        obj.i++;
        System.out.println(StaticField.i + " " + obj.i);
    }
}
```

What is the result?

- A. 10 10
- B. 8 9
- C. 9 8
- D. 7 10
- E. Compilation fails
- F. An exception is thrown

Correct Answer:

QUESTION 4

Given:

```
06. public class Icelandic {
07.     Long weight = 1200L;
08.     public void makeNoise() { System.out.println("vinny"); }
09.     public static void main(String[] args) {
10.         Icelandic i1 = new Icelandic();
11.         Icelandic i2 = new Icelandic();
12.         Icelandic i3 = new Icelandic();
13.         i3 = i1; i1 = i2; i2 = null; i3 = i1;
14.     }
15. }
```

When line 14 is reached, how many objects are eligible for the garbage collector?

- A. 0
- B. 1
- C. 2
- D. 3
- E. 4
- F. 6

Correct Answer:

QUESTION 5

Given:

```
04. public class Tahiti {
05.     Tahiti t;
06.
07.     public static void main(String[] args) {
08.         Tahiti t = new Tahiti();
09.         Tahiti t2 = t.go(t);
10.         t2 = null;
11.         // more code here
12.     }
13.
14.     Tahiti go(Tahiti t) {
15.         Tahiti t1 = new Tahiti();
16.         Tahiti t2 = new Tahiti();
17.         t1.t = t2;
18.         t2.t = t1;
19.         t.t = t2;
20.         return t1;
21.     }
22. }
```

When line 11 is reached, how many objects are eligible for garbage collection?

- A. 0
- B. 1
- C. 2
- D. 3
- E. Compilation fails.

Correct Answer: