

Total Questions: 15 Java-SE-3

Most Correct Answers: #11 Least Correct Answers: #7

1. finalize block is optional when try and catch block exists

True 15/25 False 10/25

2. Given: 11. public class Test { 12. public static void main(String [] args) { 13. int x = 5; 14. boolean b1 = true; 15. boolean b2 = false; 16. 17. if ((x == 4) && !b2)18. System.out.print("1"); 19. System.out.print("2"); 20. if ((b2 = true) && b1) 21. System.out.print("3"); 22.} 23.} What is the result?

7/25

1/25

0/25

23 9/25

123 0/25

Compilation fails. 6/25

An exception is thrown at runtime. 2/25

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3. Given:
 10. interface Foo {}
 11. class Alpha implements Foo {}
 12. class Beta extends Alpha {}
 13. class Delta extends Beta {
 14. public static void main( String[] args ) {
 15. Beta x = new Beta();
 16. //insert code here
 17.}
 18.}
 Which code, inserted at line 16, will cause a java.lang.ClassCastException?
             Alpha a = x;
3/25
             Foo f = (Delta)x;
7/25
             Foo f = (Alpha)x;
5/25
10/25
             Beta b = (Beta)(Alpha)x;
 4. Given:
 public void go() {
String o = "";
 for(int x = 0; x < 3; x++) {
 for(int y = 0; y < 2; y++) {
 if(x==1) break;
 if(x==2 \&\& y==1) break z;
 0 = 0 + x + y;
 System.out.println(o);
 What is the result when the go() method is invoked?
             00
0/25
             0001
0/25
             000120
14/25
             00012021
0/25
             Compilation fails.
11/25
             An exception is thrown at runtime.
0/25
```

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5. Given:
 public class Yippee {
 public static void main(String [] args) {
 for(int x = 1; x < args.length; x++) {
 System.out.print(args[x] + " ");
 and two separate command line invocations:
 java Yippee
 java Yippee 1 2 3 4
 What is the result?
2/25
            No output is produced.
             123
            No output is produced.
8/25
            No output is produced.
7/25
             1234
            An exception is thrown at runtime.
0/25
             123
            An exception is thrown at runtime.
8/25
             234
             An exception is thrown at runtime.
0/25
             1234
 6. Given:
 34. HashMap props = new HashMap();
 35. props.put("key45", "some value");
36. props.put("key12", "some other value");
37. props.put("key39", "yet another value");
 38. Set s = props.keySet();
 39. //insert code here
 What, inserted at line 39, will sort the keys in the props HashMap?
              Arrays.sort(s);
0/25
              s = new TreeSet(s);
7/25
              Collections.sort(s);
14/25
              s = new SortedSet(s);
4/25
     Which two scenarios are NOT safe to replace a StringBuffer object with a
 StringBuilder object? (Choose two.)
              When using versions of Java technology earlier than 5.0.
8/25
              When sharing a StringBuffer among multiple threads.
20/25
              When using the java.io class StringBufferInputStream.
6/25
              When you plan to reuse the StringBuffer to build more than one string.
9/25
```

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8. Given:
 public class NamedCounter {
 private final String name;
 private int count;
 public NamedCounter(String name) {
 this.name = name;
 public String getName() {
 return name;
 public void increment() {
 count++;
 public int getCount() {
 return count;
 public void reset() {
 count = 0;
 Which three changes should be made to adapt this class to be used safely by
 multiple threads? (Choose
 three.)
22/25
             declare reset() using the synchronized keyword
             declare getName() using the synchronized keyword
4/25
             declare getCount() using the synchronized keyword
13/25
             declare the constructor using the synchronized keyword
12/25
             declare increment() using the synchronized keyword
24/25
     Given:
 1. public class Threads3 implements Runnable {
 2. public void run() {
 System.out.print("running");
 4.}
 5. public static void main(String[] args) {
 6. Thread t = new Thread(new Threads3());
 7. t.run():
 8. t.run();
 9. t.start();
 10.}
 11.}
 What is the result?
             Compilation fails.
6/25
         В
             An exception is thrown at runtime.
2/25
             The code executes and prints "running".
0/25
             The code executes and prints "runningrunning".
1/25
             The code executes and prints "runningrunningrunning
16/25
```

```
10. Given:
 1. public class TestOne {
 2. public static void main (String[] args) throws Exception {
 3. Thread.sleep(3000);
 4. System.out.println("sleep");
 5.}
 6.}
 What is the result?
5/25
             Compilation fails.
             An exception is thrown at runtime
0/25
             The code executes normally and prints "sleep".
20/25
             The code executes normally, but nothing is printed.
0/25
 11.
      Given:
 class Alpha {
 public void foo() { System.out.print("Afoo "); }
 public class Beta extends Alpha {
 public void foo() { System.out.print("Bfoo "); }
 public static void main(String[] args) {
 Alpha a = new Beta();
 Beta b = (Beta)a;
 a.foo();
 b.foo();
 What is the result?
             Afoo Afoo
1/25
             Afoo Bfoo
2/25
             Bfoo Afoo
0/25
             Bfoo Bfoo
20/25
             Compilation fails.
1/25
             An exception is thrown at runtime.
1/25
```

```
12. Given:
 11. public interface A111 {
 12. String s = "yo";
 13. public void method1();
 14.}
 17. interface B { }
 20. interface C extends A111, B {
 21. public void method1();
 22. public void method1(int x);
 23.}
 What is the result?
          Α
             Compilation succeeds.
10/25
              Compilation fails due to multiple errors.
2/25
              Compilation fails due to an error only on line 20.
3/25
              Compilation fails due to an error only on line 21.
2/25
          Е
              Compilation fails due to an error only on line 22.
5/25
              Compilation fails due to an error only on line 12.
3/25
       Which two code fragments correctly create and initialize a static array of int
 elements? (Choose two.)
             static final int[] a = { 100,200 };
22/25
              static final int[] a; static { a=new int[2]; a[0]=100; a[1]=200; }
18/25
              static final int[] a = new int[2]{ 100,200 };
3/25
          D
              static final int[] a;
4/25
              static void init() { a = new int[3]; a[0]=100; a[1]=200; }
 14. Given:
 11. class Converter {
 12. public static void main(String[] args) {
 13. integer i = args[0];
 14. int i = 12;
 15. System.out.println("It is " + (j == i) + " that j==i.");
 16.}
 17.}
 What is the result when the programmer attempts to compile the code and run it
 with the command java
 Converter 12?
              It is true that j==i.
6/25
              It is false that j==i.
0/25
              An exception is thrown at runtime.
2/25
              Compilation fails because of an error in line 13.
17/25
```

15. Which three statements concerning the use of the java.io. Serializable interface are true? (Choose three.)

7/25 A Objects from classes that use aggregation cannot be serialized

18/25 B An object serialized on one JVM can be successfully deserialized on a different JVM.

5/25 C The values in fields with the volatile modifier will NOT survive serialization and deserialization

The values in fields with the transient modifier will NOT survive serialization and deserialization.

20/25 It is legal to serialize an object of a type that has a supertype that does NOT implement java.io.

Serializable.