

Q>

Given:

```
1. public class Breaker2 {
2.     static String o = "";
3.
4.     public static void main(String[] args) {
5.         z: for (int x = 2; x < 7; x++) {
6.             if (x == 3)
7.                 continue;
8.             if (x == 5)
9.                 break z;
10.            o = o + x;
11.        }
12.        System.out.println(o);
13.    }
14.}
15.
```

What is the result?

- A. 2
- B. 24
- C. 234
- D. 246
- E. 2346
- F. Compilation fails

```
x = 2 , 2<7(true)
      2==3(false)
      2==5(false)
      o = "2"
```

```
x = 3, 3<7(true)
      3==3(true)
```

```
x= 4, 4<7(true)
      4==3(false)
      4==5(false)
      o ="24"
```

```
x= 5, 5<7(true)
      5==3(false)
      5==5(true)
```

Answer:B("24")

Q>

Given:

```
1. public class GC {
2.     private Object o;
3.     private void doSomethingElse(Object obj) { o = obj; }
4.     public void doSomething() {
5.         Object o = new Object();
6.         doSomethingElse(o);
7.         o = new Object();
8.         doSomethingElse(null);
9.         o = null;
10.    }
11.}
```

When the doSomething method is called, after which line does the Object created in

line 5 become available for garbage collection?

- A. Line 5
- B. Line 6
- C. Line 7
- D. Line 8
- E. Line 9
- F. Line 10

Answer: D

Q>

Given:

```
1. interface DeclareStuff {
2.     public static final int EASY = 3;
3.
4.     void doStuff(int t);
5. }
6.
7. public class TestDeclare implements DeclareStuff {
8.     public static void main(String[] args) {
9.         int x = 5;
10.        new TestDeclare().doStuff(++x);
11.    }
12.
13.    void doStuff(int s) {
14.        s += EASY + ++s;
15.        System.out.println("s " + s);
16.    }
17.}
```

What is the result?

- A. s 14
- B. s 16
- C. s 10
- D. Compilation fails.
- E. An exception is thrown at runtime.

Answer: D

QUESTION

Given:

```
public class Spock {
    public static void main(String[] args) {
        Long tail = 2000L;
        Long distance = 1999L;
        Long story = 1000L;
        if ((tail > distance) ^ ((story * 2) == tail))// T ^ T = false
            System.out.print("1");
        if ((distance + 1 != tail) ^ ((story * 2) == distance))// F ^ F = false
            System.out.print("2");
    }
}
```

What is the result?

- A. 1
- B. 2
- C. 12
- D. Compilation fails.
- E. No output is produced.
- F. An exception is thrown at runtime.

Answer: E

```
Q>
interface DoStuff2 {
    float getRange(int low, int high);
}
interface DoMore {
    float getAvg(int a, int b, int c);
}
abstract class DoAbstract implements DoStuff2, DoMore {    }// line-7

class DoStuff implements DoStuff2 { //line-8
    public float getRange(int x, int y) {
        return 3.14f;
    }
} //line-12

interface DoAll extends DoMore { //line-13
    float getAvg(int a, int b, int c, int d);
}
```

What is the result?

- A. The file will compile without error.
- B. Compilation fails. Only line 7 contains an error.
- C. Compilation fails. Only line 12 contains an error.
- D. Compilation fails. Only line 13 contains an error.
- E. Compilation fails. Only lines 7 and 12 contain errors.
- F. Compilation fails. Only lines 7 and 13 contain errors.
- G. Compilation fails. Lines 7, 12, and 13 contain errors.

Answer: A

```
Q>
class TestException extends Exception { //Exception => Paritally checked Exception

    public TestException() {
        super();
    }

    public TestException(String s) {
        super(s);
    }
}
public class Test {
    public void m1() throws _____ {
        throw new TestException();
    }
}
```

For the above code, fill in the blank with one option.

- A. Exception
- B. Object
- C. RuntimeException
- D. Error

2.

```
public class Test {
    private static int [] arr; // arr =null
```

```

        public static void main(String [] args) {
            if(arr.length > 0 && arr != null) {
                System.out.println(arr[0]);
            }
        }
    }
}

```

Predict Output, if the above code is run with given command?

```

java Test
    |
    Test.main(new String[]{});

```

- A. CompilationError
- B. No Output is produced
- C. NullPointerException is thrown at runtime
- D. ArrayIndexOutOfBoundsException is thrown at runtime

Answer: C(arr.length -> gives NullPointerException)

3.

```

import java.io.FileNotFoundException;
import java.io.IOException;
abstract class Super {
    public abstract void m1() throws IOException;
}
class Sub extends Super {
    @Override
    public void m1() throws IOException {
        throw new FileNotFoundException();
    }
}
public class Test {
    public static void main(String[] args) {
        Super s = new Sub();
        try {
            s.m1();
        } catch (IOException e) {
            System.out.print("A");
        } catch (FileNotFoundException e) {
            System.out.print("B");
        } finally {
            System.out.print("C");
        }
    }
}

```

- A. AC
- B. BC
- C. class sub gives compilation error
- D. class Test gives compilation error

Answer: D

