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81) which two code fragments are most likely to cause a StackOverflowError? (Choose two.)

- 1) `for(int x = 0; x < 1000000000; x++)
doStuff(x);`
- 2) `void counter(int i) { counter(++i); }`
- 3) `void doOne(int x) { doTwo(x); }
void doTwo(int y) { doThree(y); }
void doThree(int z) { doTwo(z); }`
- 4) `for(int y = 10; y < 10; y++)
doStuff(y);`
- 5) `static int[] x = {7,6,5,4};
static { x[1] = 8;
x[4] = 3; }`
- 6) `int []x = {1,2,3,4,5};
for(int y = 0; y < 6; y++)
System.out.println(x[y]);`

Your Selected options :: none ❌

Correct Options :: 2, 3

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82) Given:

```
10. public class Foo {  
11. static int[] a;  
12. static { a[0]=2; }  
13. public static void main( String[] args ) {}  
14. }
```

Which exception or error will be thrown when a programmer attempts to run this code?

- 1) `java.lang.StackOverflowError`
- 2) `java.lang.IllegalStateException`
- 3) `java.lang.ExceptionInInitializerError`
- 4) `java.lang.ArrayIndexOutOfBoundsException`

Your Selected options :: none ❌

Correct Options :: 3

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83) which can appropriately be thrown by a programmer using Java SE technology to create a desktop application?

- 1) `ClassCastException`
- 2) `NullPointerException`
- 3) `NoClassDefFoundError`
- 4) `NumberFormatException`
- 5) `ArrayIndexOutOfBoundsException`

Your Selected options :: none ❌

Correct Options :: 4

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84) Given:

```

11. class A {
12. public void process() { System.out.print("A,"); }
13. class B extends A {
14. public void process() throws IOException {
15. super.process();
16. System.out.print("B,");
17. throw new IOException();
18. }
19. public static void main(String[] args) {
20. try { new B().process(); }
21. catch (IOException e) { System.out.println("Exception"); }}

```

What is the result?

- 1) Exception
- 2) A,B,Exception
- 3) Compilation fails because of an error in line 20.
- 4) Compilation fails because of an error in line 14.
- 5) A NullPointerException is thrown at runtime.

Your Selected options :: none ❌

Correct Options :: 4

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85) **Given:**

```

84. try {
85. ResourceConnection con = resourceFactory.getConnection();
86. Results r = con.query("GET INFO FROM CUSTOMER");
87. info = r.getData();
88. con.close();
89. } catch (ResourceException re) {
90. errorLog.write(re.getMessage());
91. }
92. return info;

```

Which statement is true if a ResourceException is thrown on line 86?

- 1) Line 92 will not execute.
- 2) The connection will not be retrieved in line 85.
- 3) The resource connection will not be closed on line 88.
- 4) The enclosing method will throw an exception to its caller.

Your Selected options :: none ❌

Correct Options :: 3

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86) **Given:**

```

33. try {
34. // some code here
35. } catch (NullPointerException e1) {
36. System.out.print("a");
37. } catch (RuntimeException e2) {
38. System.out.print("b");
39. } finally {
40. System.out.print("c");
41. }

```

What is the result if a NullPointerException occurs on line 34?

- 1) c
- 2) a
- 3) ab
- 4) ac
- 5) bc
- 6) abc

Your Selected options :: none ❌

Correct Options :: 4

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87) **Given:**

```

11. public void go(int x) {
12. assert (x > 0);
13. switch(x) {
14. case 2: ;
15. default: assert false;
16. }
17. }
18. private void go2(int x) { assert (x < 0); }

```

Which statement is true?

- 1) All of the assert statements are used appropriately.
- 2) Only the assert statement on line 12 is used appropriately.
- 3) Only the assert statement on line 15 is used appropriately.
- 4) Only the assert statement on line 18 is used appropriately.
- 5) Only the assert statements on lines 12 and 15 are used appropriately.
- 6) Only the assert statements on lines 12 and 18 are used appropriately.
- 7) Only the assert statements on lines 15 and 18 are used appropriately.

Your Selected options :: none ❌

Correct Options :: 7

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88) Given:

```

1. public class Mule {
2. public static void main(String[] args) {
3. boolean assert = true;
4. if(assert) {
5. System.out.println("assert is true");
6. }
7. }
8. }

```

Which command-line invocations will compile?

- 1) javac Mule.java
- 2) javac -source 1.3 Mule.java
- 3) javac -source 1.4 Mule.java
- 4) javac -source 1.5 Mule.java

Your Selected options :: none ❌

Correct Options :: 2

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89) Given a method that must ensure that its parameter is not null:

```

11. public void someMethod(Object value) {
12. // check for null value
...
20. System.out.println(value.getClass());
21. }

```

What, inserted at line 12, is the appropriate way to handle a null value?

- 1) assert value == null;
- 2) assert value != null, "value is null";
- 3) if (value == null) {
throw new AssertionError("value is null");
}
- 4) if (value == null) {
throw new IllegalArgumentException("value is null");
}

Your Selected options :: none ❌

Correct Options :: 4

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90) Given:

```

23. int z = 5;
24.
25. public void stuff1(int x) {
26. assert (x > 0);
27. switch(x) {
28. case 2: x = 3;

```

```
29. default: assert false; } }
30.
31. private void stuff2(int y) { assert (y < 0); }
32.
33. private void stuff3() { assert (stuff4()); }
34.
35. private boolean stuff4() { z = 6; return false; }
Which statement is true?
```

- 1) All of the assert statements are used appropriately.
- 2) Only the assert statement on line 31 is used appropriately.
- 3) The assert statements on lines 29 and 31 are used appropriately.
- 4) The assert statements on lines 26 and 29 are used appropriately.
- 5) The assert statements on lines 29 and 33 are used appropriately.
- 6) The assert statements on lines 29, 31, and 33 are used appropriately.
- 7) The assert statements on lines 26, 29, and 31 are used appropriately.

Your Selected options :: none ❌
Correct Options :: 3

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