

Started on	Wednesday, 6 April 2022, 3:13 PM
State	Finished
Completed on	Wednesday, 6 April 2022, 3:27 PM
Time taken	13 mins 8 secs
Marks	4.00/10.00
Grade	40.00 out of 100.00

Question 1

Complete

Mark 0.00 out of
1.00

```
Given:
class Emu {
    static String s = "-";
    public static void main(String[] args) {
        try {
            throw new Exception();
        } catch (Exception e) {
            try {
                try { throw new Exception(); }
                catch (Exception ex) { s += "ic "; }
                throw new Exception(); }
            catch (Exception x) { s += "mc "; }
            finally { s += "mf "; }
        } finally { s += "of "; }
        System.out.println(s);
    } }
What is the result?
```

Select one:

☐ a.

-ic mc of mf

☐ b.

-mf of

☐ c.

-ic mc of mf

☐ d.

-ic mf of

☐ **e.**

`-ic mc mf of`

☐ **f.**

`-ic of`

☒ **g.**

`Compilation fails`

☐ **h.**

`-mc mf`

Question 2

Complete

Mark 1.00 out of
1.00

What is the output of the following snippet, assuming a and b are both 0?

```
3: try {  
4: return a / b;  
5: } catch (RuntimeException e) {  
6: return -1;  
7: } catch (ArithmeticException e) {  
8: return 0;  
9: } finally {  
10: System.out.print("done");  
11: }
```

Select one:

☐ a. DONE0

☐ b. -1

☐ c.

An uncaught exception is thrown.

☐ d. 0

☐ e. DONE-1

☒ f.

The code does not compile

Question 3

Complete

Mark 0.00 out of
1.00

```
public class OverAndOver {  
4. static String s = "";  
5. public static void main(String[] args) {  
6. try {  
7. s += "1";  
8. throw new Exception();  
9. } catch (Exception e) { s += "2";  
10. } finally { s += "3"; doStuff(); s += "4";  
11. }  
12. System.out.println(s);  
13. }  
14. static void doStuff() { int x = 0; int y = 7/x; }  
15. }  
What is the result?
```

Select one:

☐ a.

Compilation fails

☐ b. 12

☐ c. 1234

☒ d.

1234 followed by an exception

☐ e.

An exception is thrown with no other output

☐ f.

123 followed by an exception

☐ g. 13

☐ h. 123

Question 4

Complete

Mark 0.00 out of
1.00

Given:

```
1. class Loopy {  
2. public static void main(String[] args) {  
3. int[] x = {7,6,5,4,3,2,1};  
4. // insert code here  
5. System.out.print(y + " ");  
6. }  
7. } }
```

Which, inserted independently at line 4, compiles? (Choose all that apply.)

Select one or more:

☐ a.

```
int y = 0; for(int z=0; z<x.length; z++) { y = x[z];
```

☒ b.

```
for(int y=0, z=0; z<x.length; z++) { y = x[z];
```

☐ c.

```
for(int y : x) {
```

☐ d.

```
for(x : int y) {
```

☐ e.

```
int y = 0; for(y : x) {
```

☐ **f.**

```
for(int y=0, int z=0; z<x.length; z++) { y = x[z];
```


Question 5

Complete

Mark 0.00 out of
1.00

Given:

```
try { int x = Integer.parseInt("two"); }
```

Which could be used to create an appropriate catch block? (Choose all that apply.)

Select one or more:

☒ a.

NumberFormatException

☐ b.

IllegalStateException

☐ c.

IllegalArgumentException

☐ d.

The stack trace for a NullPointerException

☐ e.

ArrayIndexOutOfBoundsException

☐ f.

ExceptionInInitializerError

☐ g.

ClassCastException

Question 6

Complete

Mark 0.00 out of
1.00

What is printed besides the stack trace caused by the `NullPointerException` from line 16?

```
1: public class DoSomething {
2:     public void go() {
3:         System.out.print("A");
4:         try {
5:             stop();
6:         } catch (ArithmeticException e) {
7:             System.out.print("B");
8:         } finally {
9:             System.out.print("C");
10:        }
11:        System.out.print("D");
12:    }
13:     public void stop() {
14:         System.out.print("E");
15:         Object x = null;
16:         x.toString();
17:         System.out.print("F");
18:    }
19:     public static void main(String[] args) {
20:         new DoSomething().go();
21:    }
22: }
```

Select one:

☐ a.

AEBCD

☐ b. AE

☒ c. AECD

☐ d.

Question 7

Complete

Mark 1.00 out of
1.00

No output appears other than the stack trace.

☐ e. AEC

Which exception will the following throw?

```
Object obj = new Integer(3);  
String str = (String) obj;  
System.out.println(str);
```

Select one:

☐ a.

NumberFormatException

☐ b. None of the above

☒ c.

ClassCastException

☐ d.

ArrayIndexOutOfBoundsException

☐ e.

IllegalArgumentException

Question 8

Complete

Mark 0.00 out of
1.00

What is printed by the following? (Choose all that apply)

```
1: public class Mouse {
2:     public String name;
3:     public void run() {
4:         System.out.print("1");
5:         try {
6:             System.out.print("2");
7:             name.toString();
8:             System.out.print("3");
9:         } catch (NullPointerException e) {
10:            System.out.print("4");
11:            throw e;
12:        }
13:        System.out.print("5");
14:    }
15:     public static void main(String[] args) {
16:         Mouse jerry = new Mouse();
17:         jerry.run();
18:         System.out.print("6");
19:     } }
```

Select one or more:

☐ a. 2

☐ b.

The stack trace for a NullPointerException

☐ c. 3

☒ d. 5

☐ e. 1

☐ f. 6

☐ g. 4

Question 9

Complete

Mark 1.00 out of
1.00

```
class Plane {
    static String s = "-";
    public static void main(String[] args) {
        new Plane().s1();
        System.out.println(s);
    }
    void s1() {
        try { s2(); }
        catch (Exception e) { s += "c"; }
    }
    void s2() throws Exception {
        s3(); s += "2";
        s3(); s += "2b";
    }
    void s3() throws Exception {
        throw new Exception();
    } }
What is the result?
```

Select one:

☐ a. -

☐ b. -2c

☐ c.

Compilation fails

☐ d.

-2c2b

☐ e.

-c22b

☐ f.

$-2c^2bc$

☐ g. $-c^2$

☒ h. $-c$

Question 10

Complete

Mark 1.00 out of
1.00

What is the output of the following program?

```
1: public class Laptop {  
2: public void start() {  
3: try {  
4: System.out.print("Starting up ");  
5: throw new Exception();  
6: } catch (Exception e) {  
7: System.out.print("Problem ");  
8: System.exit(0);  
9: } finally {  
10: System.out.print("Shutting down ");  
11: }  
12: }  
13: public static void main(String[] args) {  
14: new Laptop().start();  
15: } }
```

Select one:

☐ a.

Starting up Problem Shutting down

☐ b.

The code does not compile

☐ c.

An uncaught exception is thrown

☒ d.

Starting up problem



e.

Starting up Shutting down



f.

Starting up