

# M5: Quiz 5

**Due** Feb 15 at 11:59pm**Points** 30**Questions** 10**Time Limit** 12 Minutes

This quiz is no longer available as the course has been concluded.

## Attempt History

	Attempt	Time	Score
<b>LATEST</b>	<a href="#">Attempt 1</a>	12 minutes	12 out of 30

Score for this quiz: **12** out of 30

Submitted Feb 15 at 9:25pm

This attempt took 12 minutes.

### Question 1

**3 / 3 pts**

```
public void example(int x, int y) {  
    while (x < 5) {  
        if (x == y || x == 1) {  
            y++;  
        }  
        else if (x == y && y == 1) {  
            y += x;  
        }  
        else {  
            y--;  
        }  
        x++;  
    }  
    System.out.println(x + "--" + y);  
}
```

In the code above, how many times will the body of the `while` loop be executed when `example(0, 5)` is called?

☐ 0☐ 2☐ 4

Correct!

☒ 5☐ Infinite loop

## Question 2

3 / 3 pts

```
public void example(int x, int y) {  
    while (x < 5) {  
        if (x == y || x == 1) {  
            y++;  
        }  
        else if (x == y && y == 1) {  
            y += x;  
        }  
        else {  
            y--;  
        }  
        x++;  
    }  
    System.out.println(x + "--" + y);  
}
```

In the code above (repeated from the previous question), how many times will the body of the `while` loop be executed when `example(-1, -1)` is called?

**Correct!**

- ☐ 0
- ☐ 1
- ☐ 5
- ☒ 6
- ☐ Infinite loop

**Question 3****0 / 3 pts**

```
public void example(int x, int y) {  
    while (x < 5) {  
        if (x == y || x == 1) {  
            y++;  
        }  
        else if (x == y && y == 1) {  
            y += x;  
        }  
        else {  
            y--;  
        }  
        x++;  
    }  
    System.out.println(x + "--" + y);  
}
```

In the code above (repeated from the previous question), how many times will the body of the `while` loop be executed when `example(5, 5)` is called?

**Correct Answer**

- ☐ 0
- ☐ 1

You Answered

☐ 5☐ 6☒ Infinite loop

## Question 4

0 / 3 pts

```
public void example(int x, int y) {  
    while (x < 5) {  
        if (x == y || x == 1) {  
            y++;  
        }  
        else if (x == y && y == 1) {  
            y += x;  
        }  
        else {  
            y--;  
        }  
        x++;  
    }  
    System.out.println(x + "--" + y);  
}
```

In the code above (repeated from the previous question), what is printed after the `while` loop terminates when `example(0, 4)` is called?

Correct Answer

☐ 5--5☐ 4--4☐ 4--0

You Answered

☐ 0--0☒ Nothing (Infinite loop)**Question 5****3 / 3 pts**

The \_\_\_\_\_ statement will skip the remainder of the code in the loop and exit the loop.

☐ continue☐ exit☐ next☐ skip☒ break**Correct!****Question 6****3 / 3 pts**

The \_\_\_\_\_ statement will skip the remainder of the code in the loop and attempt the next iteration of the loop.

☒ continue☐ exit☐ next☐ skip**Correct!**

☐ break

### Question 7

0 / 3 pts

```
public int compare() {  
    String firstShape = "Circle";  
    String secondShape = "Square";  
    return firstShape.compareTo(secondShape);  
}
```

In the code above, does the method `compare()` return?

You Answered

☒ a positive number greater than 1

Correct Answer

☐ a negative number less than -1

☐ 1

☐ -1

☐ 0

### Question 8

0 / 3 pts

```
ArrayList<String> shapes = new ArrayList<String>();

shapes.add("Circle");
shapes.add("Square");
shapes.add("Triangle");
int before = shapes.indexOf("Square");
shapes.remove(1);
int allShapes = shapes.size();
int after = shapes.indexOf("Circle");
```

In the code above (repeated from the previous question), what is the value of `before`? Assume all proper imports have been made.

☐ 0

Correct Answer

☐ 1

☐ 2

☐ 3

You Answered

☒ none of the above

## Question 9

0 / 3 pts

```
ArrayList<String> shapes = new ArrayList<String>();

shapes.add("Circle");
shapes.add("Square");
shapes.add("Triangle");
int before = shapes.indexOf("Square");
shapes.remove(1);
int allShapes = shapes.size();
int after = shapes.indexOf("Circle");
```

In the code above (repeated from the previous question), what is the value of `allShapes`? Assume all proper imports have been made.

Incorrect Answer

You Answered

☐ 0☐ 1☐ 2☐ 3☒ none of the above**Question 10****0 / 3 pts**

```
ArrayList<String> shapes = new ArrayList<String>();  
  
shapes.add("Circle");  
shapes.add("Square");  
shapes.add("Triangle");  
int before = shapes.indexOf("Square");  
shapes.remove(1);  
int allShapes = shapes.size();  
int after = shapes.indexOf("Circle");
```

In the code above (repeated from the previous question), what is the value of `after`? Assume all proper imports have been made.

Incorrect Answer

You Answered

☐ 0☐ 1☐ 2☐ 3☒ none of the above**Quiz Score: 12 out of 30**



