

# M6: Quiz 6

**Due** Feb 22 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	9 out of 30

Score for this quiz: **9** out of 30

Submitted Feb 22 at 9:58pm

This attempt took 12 minutes.

### Question 1

**0 / 3 pts**

Use the code below for questions 1 – 3.

```
int x = 0;
for(int i = 0; i < 3; i++) {
    switch (x) {
        case 0:
            x++;
            break;
        case 1:
            x = x * 2;
            break;
        default:
            x += i;
    }
}
System.out.println(x);
```

How many times will the body of the `for` loop be executed?

You Answered

☒ 2

Incorrect Answer

- ☐ 3
- ☐ 4
- ☐ 5
- ☐ Infinite loop

## Question 2

0 / 3 pts

Use the code below for questions 1 – 3.

```
int x = 0;
for(int i = 0; i < 3; i++) {
    switch (x) {
        case 0:
            x++;
            break;
        case 1:
            x = x * 2;
            break;
        default:
            x += i;
    }
}
System.out.println(x);
```

What is printed after the loop terminates? (**Note that the code in the image is the same as the previous question**)

Incorrect Answer

- ☐ 4
- ☐ 7
- ☐ 9
- ☐ 17

You Answered

- ☒ None of the above

## Question 3

0 / 3 pts

Use the code below for questions 1 – 3.

```
int x = 0;
for(int i = 0; i < 3; i++) {
    switch (x) {
        case 0:
            x++;
            break;
        case 1:
            x = x * 2;
            break;
        default:
            x += i;
    }
}
System.out.println(x);
```

How many times is the variable `i` checked? (*Note that the code in the image is the same as the previous question*)

☐ 0☐ 1☒ 2☐ 3☐ 4

You Answered

Correct Answer

## Question 4

3 / 3 pts

Use the code below for questions 4 and 5.

```
String shape1 = "Circle";
String shape2 = "Square";
String shape3 = "Triangle";

String q4 = shape1.indexOf('i') == 2 || shape3.contains("i") ? "Yes" : "No";
String q5 = shape2.substring(5).equals("e") && shape2.indexOf('q') == 1 ? "Yes" : "No";
```

What is the value of q4?

Correct!

☒ Yes

☐ No

## Question 5

3 / 3 pts

Use the code below for questions 4 and 5.

```
String shape1 = "Circle";
String shape2 = "Square";
String shape3 = "Triangle";

String q4 = shape1.indexOf('i') == 2 || shape3.contains("i") ? "Yes" : "No";
String q5 = shape2.substring(5).equals("e") && shape2.indexOf('q') == 1 ? "Yes" : "No";
```

What is the value of q5? *(Note that the code in the image is the same as the previous question)*

Correct!

☒ Yes

☐ No

## Question 6

0 / 3 pts

Use the code below for questions 6 – 10. Note that there are no break statements in the switch statement.

```
int i = 0, x = 0, y = 0;
do {
    switch(y) {
        case 1:
            y++;
        case 2:
            x++;
        default:
            x += 2;
            y++;
    }
    i++;
} while (i < 3);
```

What is the value of `i` after the loop terminates?

☐ 0

☐ 1

You Answered

☒ 2

Correct Answer

☐ 3

☐ 4

### Question 7

0 / 3 pts

Use the code below for questions 6 – 10. Note that there are no break statements in the switch statement.

```
int i = 0, x = 0, y = 0;
do {
    switch(y) {
        case 1:
            y++;
        case 2:
            x++;
        default:
            x += 2;
            y++;
    }
    i++;
} while (i < 3);
```

What is the value of `x` after the loop terminates? (**Note that the code in the image is the same as the previous question**)

☐ 3

You Answered

☒ 4

☐ 6

Incorrect Answer

☐ 7☐ None of the above

## Question 8

0 / 3 pts

Use the code below for questions 6 – 10. Note that there are no break statements in the switch statement.

```
int i = 0, x = 0, y = 0;
do {
    switch(y) {
        case 1:
            y++;
        case 2:
            x++;
        default:
            x += 2;
            y++;
    }
    i++;
} while (i < 3);
```

What is the value of `y` after the loop terminates? (**Note that the code in the image is the same as the previous question**)

You Answered

☒ 3

Incorrect Answer

☐ 4☐ 5☐ 6☐ None of the above

## Question 9

0 / 3 pts

Use the code below for questions 6 – 10. Note that there are no break statements in the switch statement.

```
int i = 0, x = 0, y = 0;
do {
    switch(y) {
        case 1:
            y++;
        case 2:
            x++;
        default:
            x += 2;
            y++;
    }
    i++;
} while (i < 3);
```

How many times does the body of the loop execute? (**Note that the code in the image is the same as the previous question**)

You Answered

☒ 2

Correct Answer

☐ 3

☐ 4

☐ 5

☐ None of the above

## Question 10

3 / 3 pts

Use the code below for questions 6 – 10. Note that there are no break statements in the switch statement.

```
int i = 0, x = 0, y = 0;
do {
    switch(y) {
        case 1:
            y++;
        case 2:
            x++;
        default:
            x += 2;
            y++;
    }
    i++;
} while (i < 3);
```

How many times is the variable `i` checked? (**Note that the code in the image is the same as the previous question**)

☐ 2

☒ 3

☐ 4

☐ 5

☐ None of the above

Correct!

Quiz Score: **9** out of 30