

# Q7

**Due** Feb 13 at 3:15pm**Points** 100**Questions** 16**Available** Feb 13 at 2pm - Feb 13 at 3:15pm about 1 hour**Time Limit** 75 Minutes**Allowed Attempts** 2[Take the Quiz Again](#)

## Attempt History

	Attempt	Time	Score
LATEST	<a href="#">Attempt 1</a>	4 minutes	30 out of 100 *

\* Some questions not yet graded

⚠️ Answers will be shown after your last attempt

Score for this attempt: **30** out of 100 \*

Submitted Feb 13 at 2:11pm

This attempt took 4 minutes.

### Question 1

2 / 2 pts

Assume the user enters "X" at the first console prompt when the following code is executed. The numOfEntries will be

```
String option = "";
int numOfEntries = 0;
do
{
    numOfEntries++;
    System.out.print("Enter 'C' to continue.");
    option = sc.next();
}
while (choice.equalsIgnoreCase("C"));
```

☒ equal to one

- ☐ equal to zero
- ☐ greater than one
- ☐ less than zero

**Question 2****2 / 2 pts**

```
int limit = 0;
for (int i = 10; i >= limit; i -= 2)
{
    for (int j = i; j <= 1; j++)
    {
        System.out.println("In inner for loop");
    }
    System.out.println("In outer for loop");
}
```

How many times does “In inner for loop” print to the console?

- ☐ 0
- ☐ 1
- ☒ 2
- ☐ 5
- ☐ 7

**Question 3****2 / 2 pts**

```
int limit = 0;

for (int i = 10; i >= limit; i -= 2)
{
    for (int j = i; j <= 1; j++)
    {
        System.out.println("In inner for loop");
    }
    System.out.println("In outer for loop");
}
```

How many times does “In outer for loop” print to the console?

☒ 6

☐ 8

☐ 10

☐ 11

#### Question 4

2 / 2 pts

Consider the following condition. It will be true when

```
(!endProgram.equalsIgnoreCase("n"))
```

☐ the value of endProgram equals “n”

☐ the value of end Program equals “n” or “N”

☐ the value of endProgram doesn’t equal “n”

☒ the value of endProgram doesn’t equal “n” or “N”

**Question 5****2 / 2 pts**

How many lines are printed on the console when the following for loop is executed?

```
for (int i = 2; i < 10; i++)  
{  
    System.out.println(i);  
}
```

☒ 8☐ 9☐ 10☐ 7**Question 6****2 / 2 pts**

How many lines are printed on the console when the following for loop is executed?

```
for (int j = 10; j < 40; j *= 2)  
{  
    System.out.println(j);  
}
```

☐ 1☒ 2☐ 3☐ 4

**Question 7****2 / 2 pts**

How many lines are printed on the console when the following for loops are executed?

```
for (int i = 1; i < 5; i += 2)
{
    for (int j = 0; j < i; j++)
    {
        System.out.println(j);
    }
}
```

☐ 2☒ 4☐ 5☐ 20**Question 8****2 / 2 pts**

If the variables named price and rate are doubles and qty is an int, what is a possible declaration for the getTax method that's called by the statement that follows?

```
double tax = TaxCalculator.getTax(price, rate, qty);
```

☐ `static void getTax(double price, double rate, int qty)`☒ `static double getTax(double x, double y, int z)`☐ `static double getTax(price, rate, qty)`☐ `static double getTax(double price, int qty, double rate)`

**Question 9****2 / 2 pts**

If you use a short-circuit operator to combine two expressions

- ☐ both expressions are always evaluated
- ☒ the second expression is evaluated only if it can affect the result
- ☐ the first expression is evaluated only if it can affect the result
- ☐ the result of the expressions are reversed

**Question 10****2 / 2 pts**

In a do-while loop, the Boolean expression is tested

- ☐ before the loop is executed
- ☒ after the loop is executed
- ☐ both before and after the loop is executed
- ☐ none of these answers

**Question 11****2 / 2 pts**

In a while loop, the Boolean expression is tested

- ☒ before the loop is executed

- ☐ after the loop is executed
- ☐ both before and after the loop is executed
- ☐ none of these answers

**Question 12****2 / 2 pts**

In the statement that follows, x can NOT be what data type?

```
switch(x) {statements}
```

- ☐ int
- ☐ string
- ☒ long
- ☐ byte

**Question 13****2 / 2 pts**

Unlike a data type, a reference type

- ☐ contains data
- ☐ points to the data in another variable
- ☒ points to the data in another area of internal storage
- ☐ none of the above

**Question 14****2 / 2 pts**

Assume that the variable named `entry` has a starting value of 9 and `number` has a value of 3. What is the value of `entry` after the following statements are executed?

```
if ((entry > 9) || (entry/number == 3))
    entry--;
else if (entry == 9)
    entry++;
else
    entry = 3;
```

☐ 3☒ 8☐ 9☐ 10**Question 15****2 / 2 pts**

If `number` is 20, what is printed to the console after this code is executed?

```
for (int i = 3; i <= number; i += 2)
{
    if (number % i == 0)
    {
        System.out.println(i);
        if (i == number)
            System.out.println("special");
        break;
    }
}
```



☒ 5

☐ 5  
☐ special

☐ 2

☐ 20  
☐ special

☐ 5  
☐ 5  
☐ special

**Question 16****Not yet graded / 70 pts****Skill Set 7. Java: Measurement Conversion**

Your Answer:

Quiz Score: **30** out of 100