

## Module 4 quiz on FOR loops

Quiz, 8 questions

**8/8 points (100.00%)**

### Congratulations! You passed!

[Next Item](#)1 / 1  
point

1.

Given the following loop:

```
1  for (int i = 1; i < 5; i = i+1) {  
2      out.println("Hello world!");  
3  }
```

How many lines of output will be printed?

☐ 0☒ 4**Correct**☐ 5☐ 6☐ infinitely many1 / 1  
point

2.

Given the following loop:

```
1  for (int i = 5; i >= 0; i--) {  
2      out.println("Hello world!");  
3  }
```

How many lines of output will be printed?



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☐ 5☒ 6**Correct**☐ infinitely many1 / 1  
point

3.

Given the following loop:

```
1  for (int i = 1; i <= 5; i++) {  
2      for (i = 1; i <= 3; i++) {  
3          out.println("Hello world!");  
4      }  
5  }
```

How many lines of output will be printed?

☐ 0☐ 4☐ 5☐ 6☒ infinitely many**Correct**1 / 1  
point

4.

Given the following loop:

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```
1 for (int i = 1; i <= 5; i++) {  
2     for (int j = 1; j < i; j++) {  
3         out.println("Hello world!");  
4     }  
5 }
```

How many lines of output will be printed?

☐ 0

☐ 5

☒ 10

Correct

☐ 15

☐ infinitely many



1 / 1  
point

5.

Fill in the blank of the following loop so that 10 lines of output are printed:

```
1 for (int i = _____ ; i <= 15; i++) {  
2     out.println("Hello world!");  
3 }
```

Preview

6

6

Correct Response

Your answer, 6, is equivalent to the instructor's answer 6.



1 / 1  
point

6.

Given the following loop:

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```
1 for (int i = 1; i <= 5; i++) {  
2     for (int j = 1; j > i; j++) {  
3         out.print("*");  
4     }  
5     out.println();  
6 }
```

How many stars will be printed in total?

☒ 0**Correct**☐ 5☐ 10☐ 15☐ infinitely many

1 / 1  
point

7.

Given the following loop:

```
1 for (int i = 1; i <= 8; i++) {  
2     out.print(_____ + " ");  
3 }
```

What expression would you put in the print statement to produce the following sequence as output:

```
1  5 13 21 29 37 45 53 61
```

**Please specify your answer in the form:  $a*i+b$  or  $a*i-b$ , where  $a$  &  $b$  are replaced by integer constants. For example, a correctly specified answer would look like this:  $5*i-8$  or this:  $-4*i+6$**

**Do not use parentheses or spaces in your answer.**

**Correct Response**

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8/8 points (100.00%)

8.

Fill in the blank of the following loops so that the following pattern is printed:

```
1  *****
2  *****
3  *****
4  ***
5  *
6
```

```
1  for (int i = 1; i <= 5; i++) {
2      for (int j = 1; j <= i-1; j++) {
3          out.print(" ");
4      }
5      for (int j = 1; j <= _____; j++) {
6          out.print("*");
7      }
8      out.println();
9  }
```

Please specify your answer in the form:  $a*i+b$  or  $a*i-b$ , where  $a$  &  $b$  are replaced by integer constants. For example, a correctly specified answer would look like this:  $5*i-8$  or this:  $-4*i+6$

Do not use parentheses or spaces in your answer.

-2\*i+11

Correct Response

