Module 4 quiz on FOR loops

LATEST SUBMISSION GRADE

100%

1. Given the following loop: **1 / 1 point**

```
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

- ○ 5

- ○ 6

- ○ infinitely many

✓ **Correct**

2. Given the following loop: **1 / 1 point**

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

How many lines of output will be printed?

- ○ 0

- ○ 4

- ○ 5

- ● 6

- ○ infinitely many

✓ **Correct**

3. Given the following loop: **1 / 1 point**

```
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**

4. Given the following loop: **1 / 1 point**

```
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

○ 15

○ infinitely many

✓ **Correct**

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

1 / 1 point

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

Preview
6

6

✓ **Correct**

6. Given the following loop:

1 / 1 point

```
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
- ◯ 5
- ◯ 10
- ◯ 15
- ◯ infinitely many

✓ **Correct**

7. Given the following loop:

1 / 1 point

```
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    12 13 14 15 16 17 18 19
```

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.

1*i+11

✓ **Correct**

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

                                                             1 / 1 point

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

```java
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**