



Module 4 quiz on FOR loops

Graded Quiz • 30 min

Due Mar 22, 12:29 PM IST

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



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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



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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



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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



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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 }
```

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 }
```



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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



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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



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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      *****
```

```
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 }
```



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```
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