#### BJP5 Self-Check 5.2: forToWhile

Language/Type: 

Java basics for loops while loops

Author: 

Marty Stepp (on 2019/09/19)

Convert each of the following for loops into an equ compile, since all four parts a-d are in the same scope.)

```
System.out.println("1.");
int max = 5:
       t max = 5;
t n = 1;
lle (n <= max) {
    System.out.println(n);
n++;</pre>
}
System.out.println();
// 2.
System.out.println("2.");
int total = 25;
int number = 1;
while (number c= (total / 2)){
    total = total - number;
    System.out.println(total + " " + number);
    number+*
System.out.println():
j++;
System.out.print("!");
        System.out.println();
i++;
System.out.println();
// 4.
System.out.println("4.");
int num = 4;
int count = 1;
while (count <= num){
   System.out.println(num);
   num = num / 2;
   count++;</pre>
```

This problem asks for bare code. Submit a fragment of Java code as described. Do not write any class or method heading around you just write the lines of code that will produce the result described.

Submit

#### You passed 1 of 1 tests.

Go to the next problem: whileLoopMystery1

test #1: test1

### BJP5 Exercise 2.10: numbersOutput60

4 Java for loops nested loops Language/Type: Whitaker Brand (on 2019/09/19)

It's common to print a rotating, increasing list of single-digit numbers at the start of a program's output as a visual guithe columns of the output to follow. With this in mind, write nested for loops to produce the following output, with ea characters wide:

#### Type your solution here:

```
1 for (int i = 0; i < 6; i++){
         for (int k = 0; k < 9; k ++)
    System.out.print(" ");</pre>
         System.out.print("|");
 6 System.out.println();
 8 for (int a = 0; a < 6; a++){
for(int b = 1; b < 10; b++){
10
              System.out.print(b);
         System.out.print("0");
```

This problem asks for bare code. Submit a fragment of Java code as described. Do not write any class or method heading around your code: just write the lines of code that will produce the result described.

Submit

#### You passed 1 of 1 tests.

Go to the next problem: numbersOutputConstant

```
test #1: output
console output:
               123456789012345678901234567890123456789012345678901234567890
        result:
```

### ○ BJP5 Exercise 2.12: nestedNumbers

Language/Type: & Java for loops nested loops Roy McElmurry (on 2019/09/19)

Write nested for loops that produce the following output:

000111222333444555666777888999 000111222333444555666777888999 000111222333444555666777888999

### Type your solution here:

```
for (int lines = 0; lines < 3; lines++){</pre>
      for (int inside = 0; inside < 10; inside++){</pre>
4
           for (int num = 0; num < 3; num++)</pre>
5
               System.out.print(inside);
6
      System.out.println();
8 }
```

This problem asks for bare code. Submit a fragment of Java code as described. Do not write any class or method I' just write the lines of code that will produce the result described.

Submit

# You passed 1 of 1 tests.

Go to the next problem: nestedNumbers2

```
test #1: test1
console output: 000111222333444555666777888999
```

### BJP5 Exercise 2.15: printDesign

Language/Type: 

Java for loops method basics nested loops

Marty Stepp (on 2019/09/19) Author:

Write a method called printDesign that produces the following output. Use n

```
----333----
---55555-
--7777777--
-999999999-
```

#### Type your solution here:

```
8
  System.out.println();
10
13 }
```

This is a method problem. Write a Java method as described. Do not write a complete program or c

Submit

### You passed 1 of 1 tests.

Go to the next problem: SlashFigure

```
test #1: output
```

# O BJP5 Exercise 2.21: StarFigure2

Language/Type: 

Java class constants escape sequences for loops ne

Author: Kimberly Todd (on 2019/09/19)

Modify your StarFigure code from the previous problem to use a c (left) and 6 (right):

size 3	size 6
//////\\\\\ ////***********************	//////////////////////////////////////

(You must solve this problem using only ONE public static fina the way described in this problem.)

```
Type your solution here:
```

```
1 public class StarFigure2{
              public static final int size;
         public static void main(String[]args){
              for (int row = 1; row <= size; row++){
    for (int fslash = 1; fslash <= (4*)</pre>
                        System.out.print('/');
 8
                      for (int star = 0; star <((row-1)*)</pre>
 9
                           System.out.print('*');
10
                      for (int bslash = 1; bslash <= (4*
    System.out.print('\\');</pre>
14
                   System.out.println();
15
17 }
```

This problem asks for a complete program. Write a complete Java program as a class



#### You passed 4 of 4 tests.

# O BJP5 Self-Check 2.23: completeLoop

Language/Type: 4 Java basics for loops Author: Marty Stepp (on 2019/09/19)

Complete the following for loop to produce the following output:

```
-4
14
32
50
68
86
```

#### Type your solution here:

```
1 for (int i = 1; i \le 6; i++) {
      System.out.println(18 * i - 22);
3 }
```

This problem asks for bare code. Submit a fragment of Java code as described. Do not write just write the lines of code that will produce the result described.

Submit

# You passed 1 of 1 tests.

Go to the next problem: oddStuff

```
test #1: output
console output:
```

#### ○ BJP5 Exercise 2.22: DollarFigure

Language/Type: 

Java classes for loops nested loops
Author: Marty Stepp (on 2019/09/19)

Write a Java program called DollarFigure that produces the following output. Use nes figure.

```
$$$$$$$***********
**$$$$$$**********
****$$$$$********$$$$$****
******$$$$*******$$$******
**********
```

### Type your solution here:

```
1 public class DollarFigure(
        public static void main(String[]args){
  int num = 7;
  for (int row = 1; row <= 7; row++){
    for (int star = 2; star < 2 * row; star ++){
        System.out.print("*");
}</pre>
                      for (int dollar = 1: dollar <= num: dollar++){
                             System.out.print("$");
                      for (int star2 = num * 2; star2 > 0; star2--){
    System.out.print("*");
                      for (int dollar2 = 1; dollar2 <= num; dollar2++){
    System.out.print("$");</pre>
                      for (int star3 = 2; star3 < 2 * row; star3 ++){
    System.out.print("*");</pre>
                       System.out.println();
```

This problem asks for a **complete program**. Write a complete Java program as a class with a nain method. (Yo inport statements.)

Submit

### You passed 1 of 1 tests.

Go to the next problem: DollarFigure2

```
test #1: output
console output: $$$$$$$************
```