# Lab 03:    Nested Loops

In this lab you will be using nested loop.

## Exercises

1) Ask the user for a positive integer.  Then using nested loops, print out a block of "!" with those dimensions.

```
Enter a positive integer: 4
!!!!
!!!!
!!!!
!!!!
```

2) Ask the user for a number less than **100**, then print out a times table up to the input.  For the test case to work, each "cell" below should use 4 spaces and be right justified.

```
Enter a number less than 100: 4
   1    2    3    4
   2    4    6    8
   3    6    9   12
   4    8   12   16
```

3) Using Nested Loops, print a checker board like the one below.

```
 @ @ @ @
@ @ @ @
 @ @ @ @
@ @ @ @
 @ @ @ @
@ @ @ @
 @ @ @ @
@ @ @ @
```

You may ONLY use these 3 print statements.

```
System.out.print("@ ");
System.out.print(" ");
System.out.println();
```

4) Ask the user for a letter, then a positive integer.  Then using nested loops, print a pyramid made of those letters with the given number of rows.

```
Enter a letter: G
Enter a positive integer: 4
   G
  GGG
 GGGGG
GGGGGGG
```

Other than getting input, you may only print one of 3 things:
a space, the letter, or move to the next line