

For Loop Exercises

Use **LoopingExercises.java** as the base program for these exercises.

Only insert code only where the comments say to insert code.

Hints:

```
System.out.println("# "); //prints a new line
System.out.print("# "); //prints without going to a new line
System.out.print(" "); //prints a space without a new line
```

Use **r** and **c** as the variables in the nested for-loops for the rows and columns.

The output should look like the below:

```
*****
                          For-Loop Exercises
*****

--- 10X10 Shape 1 ---
# # # # # # # # # #
# # # # # # # # # #
# # # # # # # # # #
# # # # # # # # # #
# # # # # # # # # #
# # # # # # # # # #
# # # # # # # # # #
# # # # # # # # # #
# # # # # # # # # #
# # # # # # # # # #
# # # # # # # # # #

--- 10X10 Shape 2 ---
# # # # # # # # # #
#
#
#
#
#
#
#
#
#
# # # # # # # # # #
```

--- 10X10 Shape 3 ---

```
#
# #
# # #
# # # #
# # # # #
# # # # # #
# # # # # # #
# # # # # # # #
# # # # # # # # #
# # # # # # # # # #
# # # # # # # # # # #
```

--- 10X10 Shape 4 ---

```
# # # # # # # # # #
# # # # # # # # #
# # # # # # # #
# # # # # # #
# # # # # #
# # # # #
# # # #
# # #
# #
#
```

--- Multiplication Table ---

```
* | 1 2 3 4 5 6 7 8 9
-----
1 | 1 2 3 4 5 6 7 8 9
2 | 2 4 6 8 10 12 14 16 18
3 | 3 6 9 12 15 18 21 24 27
4 | 4 8 12 16 20 24 28 32 36
5 | 5 10 15 20 25 30 35 40 45
6 | 6 12 18 24 30 36 42 48 54
7 | 7 14 21 28 35 42 49 56 63
8 | 8 16 24 32 40 48 56 64 72
9 | 9 18 27 36 45 54 63 72 81
```

----- Program Complete -----

Notice the single digit numbers are right justified.