Nested Loops

Mr. Poole Java

Starting with a normal loop

```
for(int j = 0; j < 5; j++){
    System.out.print("* ");
}</pre>
```

This loop prints out 5 asterisks

```
* * * * *
```

Starting with a normal loop

```
for(int j = 0; j < 5; j++){
    System.out.print("* ");
}</pre>
```

Below is the step by step process of how the loop prints

i	value	Output
0	Print out "* "	*
1	Print out "* "	* *
2	Print out "* "	* * *
3	Print out "* "	* * * *
4	Print out "* "	* * * * *

Now we can loop the loop to get a box of asterisks!

```
for(int j = 0; j < 5; j++){
    System.out.print("* ");
}</pre>
```

This loop prints out 5 asterisks

```
* * * * *
```

Our goal is to create this box below!



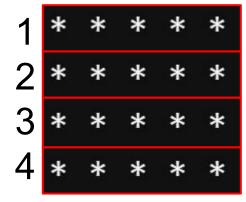
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```
for(int j = 0; j < 5; j++){
    System.out.print("* ");
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```

This loop prints out 5 asterisks

```
* * * * *
```

Take the code on the left and loop it 4 times



Lab: Nested Loops

- 1. Have the user input the width and height of a box.
- 2. Have the user input a character to print out in the shape of a box.
- 3. Take the width and height and output a box of choice.

Example Output:

88888