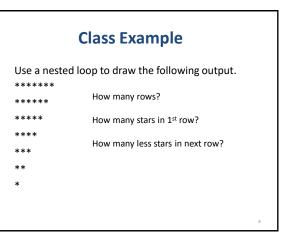


**Practice from Last Time** 

31 37 41 43 47 53 59 61 67 71 73 79 83 89 97 101 103 107 109 113 127 131 137 139 149 151 157 163 167 173 179 181 191 193 197 199 211 223 227 229

Hint: format(i, '4d') allows you to format i (an integer value) to use exactly 4 digits



4

3

<b>Practice</b> Work in groups of 2-3 people to write code that will	
Hints: -You will need a nested loop.	* * *
-Count the number of <b>stars</b> and	* * * * *
the number of <b>blank spaces</b> in	******
each line and see how they change.	******
-The trunk of the tree is drawn	***
after the loops complete.	* * *

## 5

## **Saving Previous Value in Loop**

You may need to hold onto a previous input for a calculation later in a loop.

## import random

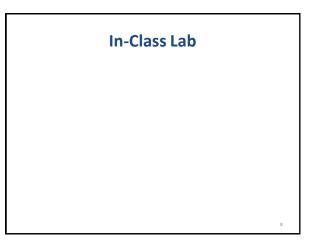
```
prev_roll = random.randint(1, 6)
curr_roll = random.randint(1, 6)
print("Previous = ", prev_roll, "current = ", curr_roll)
while not(prev_roll == 1 and curr_roll == 1):
    prev_roll = curr_roll
    curr_roll = random.randint(1, 6)
    print("Previous = ", prev_roll, "current = ", curr_roll)
```

6

## Saving Previous Value in Loop

```
Input: 29 23 19 17 7 1 1
```

```
prev = int(input("Number? "))
curr = int(input("Number? "))
diff = prev - curr
while diff != 0:
    print("Difference = ", diff)
    prev = curr
    curr = int(input("Number? "))
    diff = prev - curr
print("Done")
```



8

7