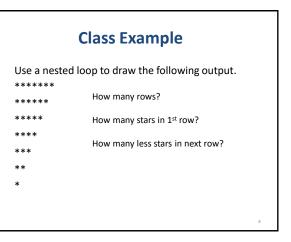


Practice from Last Time

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

Practice Work in groups of 2-3 people to write code that will	
Hints: -You will need a nested loop.	* * *
-Count the number of stars and	* * * * *
the number of blank spaces 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

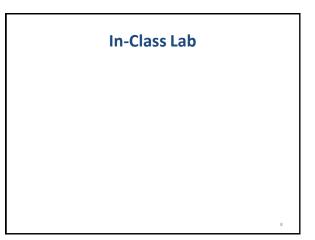
```
prev_roll = random.randint(1, 6)
curr_roll = random.randint(1, 6)
print("Previous = ", prev_roll, "current = ", curr_roll)
while not(prev_roll == 1 and curr_roll == 1):
    prev_roll = curr_roll
    curr_roll = random.randint(1, 6)
    print("Previous = ", prev_roll, "current = ", curr_roll)
```

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