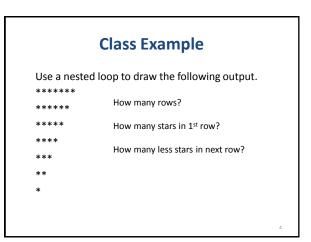
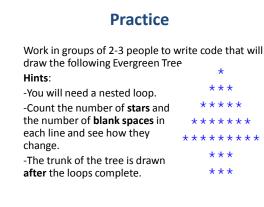


<pre>i = 2 while i &lt; 100: prime = True for j in range(2, i): if i % j == 0: prime = False break if prime: print(i, "is prime") i = i + 1</pre>									rime ust s ke	
2	3	5	7	11	13	17	19	23	29	
31	37	41	43	47	53	59	61	67	71	
73	79	83	89	97	101	103	107	109	113	
127	131	137	139	149	151	157	163	167	173	
179	181	191	193	197	199	211	223	227	229	
See drawStars.py and nestedLoopGraphics.py for solutions to the other Nested Loop Lab problems.										





## **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)
```

## **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")
```

