CS 160
CS Orientation

Review & Programming w/ Turtle
Chap. 3, 5, and 6.2
Python Sequential Logic

```python
print("\*\"")
print("***\")
print("*****\")
print("*******")
```

*print w/ loop*
Print Triangle w/ a loop

Get into 4.5 group
For loop

```python
layers = 4
spaces = layers - 1;
stars = 1;
for layer in range(layers):
    for x in range(spaces):
        print(" ", end = ")
    for x in range(stars):
        print("*", end = ")
    print("\n", end = ")
spaces -= 1;
stars += 2;
```
While Loop equivalent

```python
layers = 4
spaces = layers-1;
ostars = 1;
while(layers > 0):
x = spaces;
while(x > 0):
    print(" ",end = "");
x -= 1;
x = stars;
while(x > 0):
    print("*",end = "");
x -= 1;
print("\n", end = "");
spaces -= 1;
ostars += 2;
layers -= 1;
```

"triangle1.py" 16L, 278C
While loop
(using cool things in Python)

```python
x = 0;
num_rows = int(input("Enter the number of rows to be printed\n"));
while x < num_rows:
    string = (" " * (num_rows - x) + ("*" * (2 * x + 1)));
    print(string);
    x += 1;
```