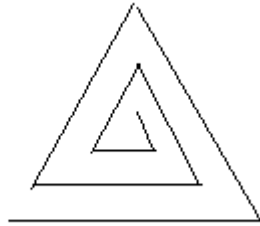


SIUCF Turtle Assignment #3

Note: Please go to <http://docs.python.org/library/turtle.html> to see a full description of turtle functions.

Part A:

For this part of the assignment, write a program that prints out a spiraling triangle, similar to the one shown below. (**Note: This is the output for the sample run at the bottom of the page.**)



Prompt the user to enter the maximum length of the side of the triangle and draw the corresponding triangle where each side length is 10 pixels more than the previous side drawn. (Technically, in this drawing, the last side should be extended by 10 pixels. To make the figure look better, you can make the last two sides the same length, if you like as in the figure above.)

Note: It's okay if your triangle prints in a different orientation with the horizontal side being on the top instead of the bottom.

Sample 1: Input and Output

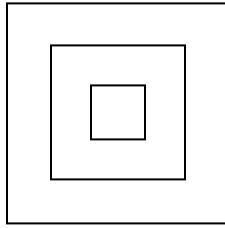
What is the maximum side length of your triangle?

80

(Output shown above)

Part B:

For this part of the assignment, write a program that prints out nested squares, similar to the one shown below.



Prompt the user to enter the number of squares and draw the corresponding squares, where the inner square is 5x5 pixels, and each outer square is 10 pixels wider and shifted up and to the left by 5 pixels.

Sample 1: Input and Output

How many squares would you like to draw?

3

(Output shown above)

Part C:

Draw any design you want, with the following conditions: use colors, make it interesting, have fun with it!