

Junior Knights Week 12 Practice Problems

Part A: Spiral Triangle

Write a program using the turtle that draws a spiral triangle design, similar to the spiral square.

Part B: Star

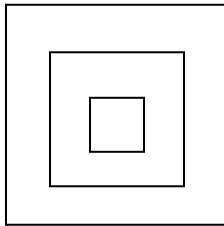
Write a program using the turtle that asks the user if they want a 5-pointed or 6-pointed star and draw the star. to extend the program, allow the user to enter any number 5 or greater and draw the corresponding star.

Part C: Night Sky

Write a program that mimics a night sky with a user-defined number of stars randomly scattered across the screen.

Part D: Nested Squares

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. Feel free to edit this to be any nested shape, such as nested dolls!

Sample 1: Input and Output

How many squares would you like to draw?

3

(Output shown above)

Part E: Any Design

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