CIS 122 Fall 2015 Project 1
Due Monday, October 5, 7 PM

After you complete these 4 programs and tested them to make sure they work right, submit them via Canvas, uploading all 4 program files.

Briefly

Submit four Python 3 programs
Your programs are worth a total of 25 points
Test your programs -- did they work right? -- before uploading to Canvas.

Project1-names.py 5 points:

a) 2 points
Assign '**Barbara**' to a variable **name**
Use variable **name** to print **Hello Barbara**

b) 3 points
Assign **7** to a variable number
Using the variables **name** and **number**,
print Hello Barbara 7 times, each on a new line

Project1-majors.py 10 points

a) 2 points
Create a list called **majors** with names or abbreviations for 4 possible majors. Use 'CIS' for one of the majors; you pick the other 3 majors.

b) 3 points
Print each major on a separate line using a **for** statement.

b) 5 points for taking special action for CIS major:
if one of the majors is 'CIS'
print **CIS - in great demand** instead of just CIS

Project1-spiral.py 5 points

Draw a spiral sort of pattern using a turn and longer lines to form a 6 sided spiral using a vivid pen color.
Draw about 120 sides in your figure.

a) 1 point for import turtle as first non-comment in program

b) 1 point for setting the pen color to a vivid color (not black, not white, not gray).

b) 3 points for create a loop that turns the right amount to form a 6 sided figure and lengthens the line drawn each time through the indented body of the loop.

Project1-my-sketch.py 5 points
Create your own sketch, using at least **3 colors**

Some ideas
Draw a triangle, square and circle each with a different color. Use pen up and down commands to put the figures in different places without a line showing between them.

Draw a spiral like project1-spiral, but use one color for the first 40 lines, then another color for lines 41 and up, and a final color for lines 81 and up.

Draw a bunch of zig-zag lines like ***WWWW*** going in different directions and using different colors.

Early submission
+ 2 points Submit by Wed at 5 PM