

CS160 Computer Science I

Program 1

Objective

Work with SimpleGraphics

Work with comments

Assignment

Create the following programs in separate files. Make sure to comment both files, using multiline comments to document the file *and* single line comments to document the various “sections” of code within the file. The multiline comments should include your name, email address, assignment info, such as Lab 1a, and a brief description of the program. You should have single line comments identifying the start of each “major” part, such as the house, door, roof, tree, and such in part 2. Blank lines between the set of commands for each major part can make it easier to read your code. I’ve demonstrated comments and blank line between parts in the example posted to Bb. And remember, too many comments are as bad (and sometimes worse) than no comments at all.

Part 1:

Use SimpleGraphics to write a program to draw a simple face. Choose whatever colors and sizes you wish, but it should include at least two eyes, one nose and a mouth.

Hints: Sometimes a graphics library does not have the exact shape that you will need. Using a combinations of shapes that overlap will get you the effect you need. There are also additional graphics commands available other than those mentioned in class, such as `blob`, that might be useful.

Name this file `Lab1aABC.py`, where ABC are your initials. My file would be called `Lab1aTLS.py`.

Part 2

Use SimpleGraphics to draw a house. Draw a simple house with a door, a window or two, and a tree. Set the background color and add the “ground.” And put a sun in one corner, we’ll revisit that later.

You won’t be graded on artistic content, but try. ☺ Don’t be afraid to use colors, it’s expected that you will use a variety of colors in both parts of the lab.

Name this file `Lab1bABC.py`, where ABC are your initials. My file would be called `Lab1bTLS.py`.

Finished?

Upload your files into Blackboard. You do not need to upload SimpleGraphics.

Questions?

Ask, sooner rather than later.