Lab 8

CST 205

Pick a task (or two) that interests you. You don't need to do them all.

Task 1 – Background color

Take a look at the code titled background.py. Understand how it works.

Create a window with a different background color.

Take a screenshot of your result.

Task 2 – Nested layouts

Take a look at the code titled lab_layout_nested1.py. Understand how it works.

Create a different nested layout based on the example code.

Take a screenshot of your result.

Task 3 – Buttons

Based on the example shown in class, create a GUI with two buttons that displays a different message based on which button is pushed.
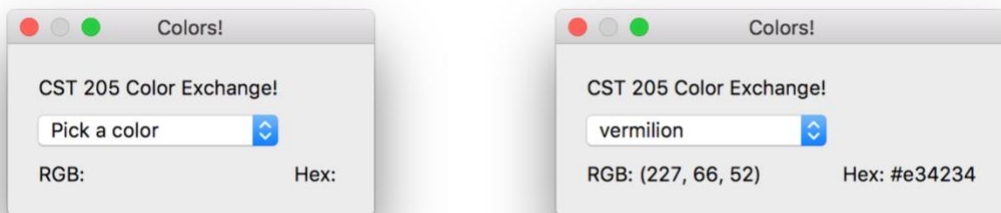
Take a screenshot of your result.

Task 4 – Show the color

Add a button to the GUI which, when pressed, opens a new window showing the selected color. Take a few screenshots of your program in action

Extra – CST 205 Color Exchange

Create a GUI using Qt to convert a color to its RGB and hex values. More specifically, use a QComboBox widget to allow the user to select a color (as a string.) Once a color has been selected, the GUI will then display the RGB and Hex values.

Use a Python dictionary to store the colors and their RGB/Hex values. Here is an example:

Take a few screenshots of your program in action

Deliverable

Submit all code, text files, and screenshots and provide necessary comments to explain your process.