Python/Tkinter/PAGE Setup and Practice – 20 Points for this assignment
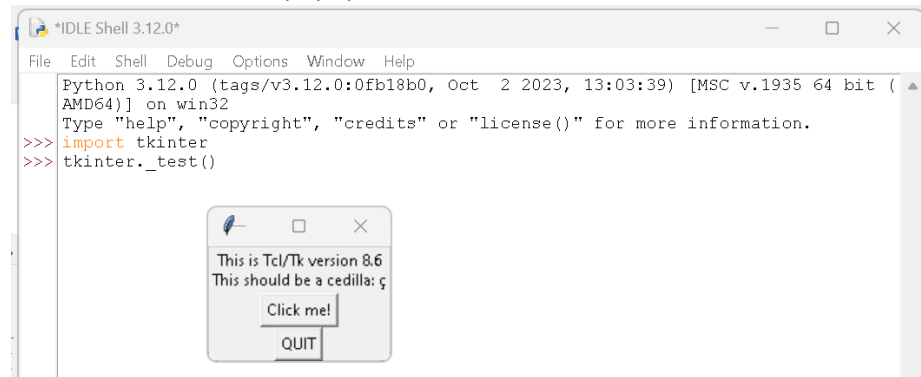
Due: Monday 2/5

For this class as an alternative environment we'll be using the current versions of open source Python, Tkinter, and the PAGE GUI builder. I will review some parts of this installation in lecture.

Tasks for this assignment:

- Step 1. Install current Python and IDLE (if needed)
    - Follow instructions for downloading and installing Python and IDLE from
      https://www.python.org/
    - Tkinter should install automatically
        - You can verify Tkinter by running the following at a Python prompt
          >>> import tkinter
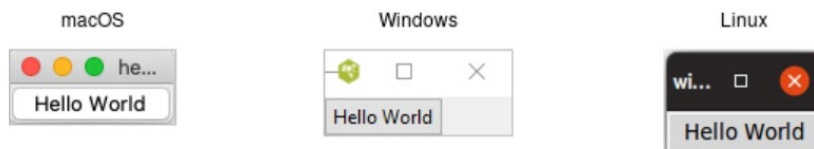   >>> tkinter._test()
          You should see a small popup window with the tkinter version, similar to this:

- Step 2. Create a "hello world" Tkinter project. Save the following Python code to a python source file called "hello.py" – it can be run from IDLE or the command line.

```python
from tkinter import *
from tkinter import ttk
root = Tk()
ttk.Button(root, text="Hello World").grid()
root.mainloop()
```

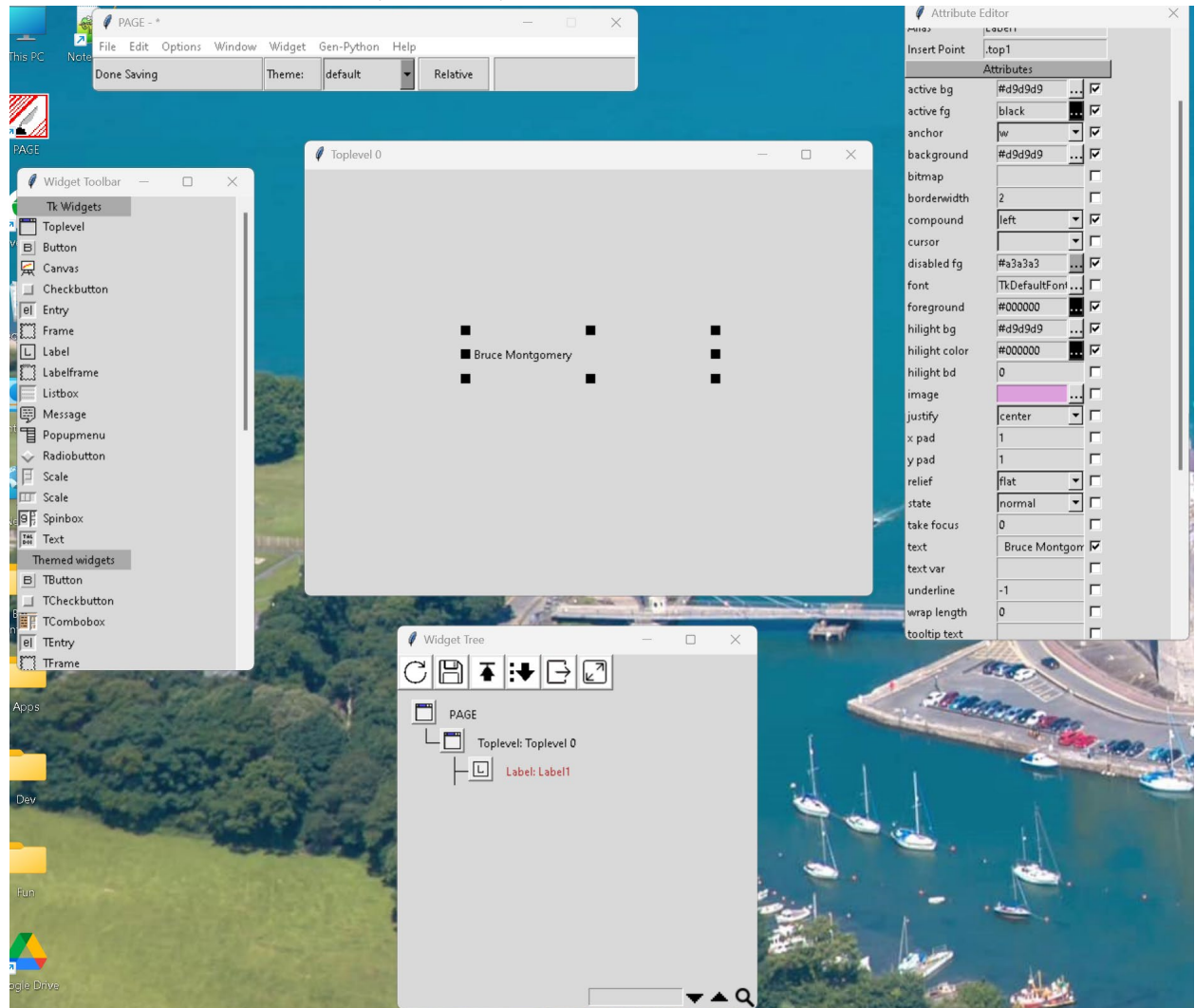 You should see something like one of the following windows:

- Step 3. Install PAGE and create a GUI screen.

  Installation instructions are found here for most environments: https://page.sourceforge.net/

Note that this can be challenging… I installed PAGE onto my Windows PC where I run Python. On my Windows machine I had to add my Python.exe directory to my environment variable PATH and I had to change the page.bat file that opens page to call python and not python3. See me if you struggle at all with the installation. PAGE requires Python and Tkinter to run.

Your installed PAGE environment, when run, should look similar to this:

Select Label from the Widget Toolbar and click in the TopLevel 0 window to drop the label. Change the text of the label to your name (as I did above). Take a screenshot similar to this one. Post the screenshot in CougarVIEW

Grading Rubric:

- Image of your PAGE project open in in your environment as above turned in to CougarVIEW = 20 points.
- See me for any questions.