CMPS 150 – Lab 4

The following is an exercise in Python statements/concepts including input, assignment, output and decision statements. When done, you must upload your completed lab to your TA on Moodle. This exercise will be available online on Moodle if you wish to use it again.

1. **Copy/Save the lab source code file for today from the Moodle Lecture Site**

    Look for the file for today "lab4.py" and save the file to your machine.

2. **Launch IDLE.**

3. **Open the source code file just copied to your home directory.**

    Select "File" from the menu bar, "Open" from the menu, then `lab4.py` from the list of files.

4. **Edit the first two lines of the code to have your name/ulid/section.)**

```
# Author:        Your-Name
# ULID/Section   Your-ULID & section-number go here
```

Now review the code.

The code in this week's lab has 2 parts.

Part I is intended to ask the user for a number and determine if it is positive, negative or zero.

Part II is intended to ask the user for years worked and determine category of raise/percentage. Use the following table to determine category:

Years Worked	Percentage Raise
0 – 4	3 %
5 or more	5 %

5. **Save your changes and run your code.**   *(you can also simply press F5)*

6. **Debug your code.**

If you have any errors in your code, the interpreter will produce an error, with a line number, where it detects there is a problem with your code. Return to the editor and correct the error. Run it through the interpreter again (step 6) until it runs with no errors.

7. **Testing the Code**

Use the following test data to see if your code produces correct output.

```
Enter one floating point number: -3.5
You entered a negative number!

Enter years worked: 4
Raise category = 3 %
```

Run the Python program again with different input.   *(you can also simply press F5)*

```
Enter one floating point number: 0.0
You entered zero!

Enter years worked: 5
Raise category = 5 %
```

8. Exit Python
Close the Python IDLE editor.
Close the Python IDLE shell.

9. Upload to Moodle
Get in a browser and login to Moodle.
Go to your lecture section on the Moodle site.
Here you will see the lab submission link for today. Click on the link for Lab #4.
Click to "Add a Submission" and then "Upload a File"
Select to "Choose a File" and go about the process of browsing/finding "lab4.py" on the computer
Select to "Upload this File"

When returned to the Upload screen, MAKE SURE to click on the "Save Changes" button.

You will be returned to the "Lab #4" screen. This time you should see your source code file listed on it.

10. Logout of Moodle