CMPS 150 – Lab 3

The following is an exercise in using your CMPS Lab account, copying/downloading files from Moodle, using the IDLE environment to run your Python source code, and finally, uploading your completed lab to your TA on Moodle. This exercise will be available online on Moodle if you wish to use it again.

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

   Look for the file for today "lab3.py" and save the file to your computer.

2. ***Launch IDLE***

   If needed, instructions for launching IDLE are available on the Lab #1 Handout.

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

   Select "File" from the menu bar, "Open" from the menu, then `lab3.py` from the list of files.

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

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

Now review the code.

The code in this week's lab is intended to handle two tasks.

Task #1

First, it is to compute the cost, per square inch, of a circular pizza. Most of the code is missing.
Complete the code, remembering that area of a circle is: 3.14159 * radius ** 2

Task #2

Next, your code must ask for a character string of length 3 (using only one input statement).
Print the ASCII code (number) for each character in the word. Again, most of the code is missing.

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 (if radius is positive).

```
Enter radius of pizza: 16
Enter pizza price: 15.99
Price per square inch = $ 0.019881950700123188
Price per square inch = $ 0.02   (rounded)


Enter a 3-letter word: sit
s = 115
i = 105
t = 116
```

As a suggestion, try using the round statement … and/or … try using formatted output. Either will be accepted for grading.

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.
Click on the link for Lab #3 Submission.
Click to "Add a Submission" and then "Upload a File"
Select to "Choose a File" and go about the process of browsing/finding "lab3.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 #3" screen. This time you should see your source code file listed on it.

10. Logout of Moodle