Lab 1

SUBMIT original code in Python to solve the problem below.

Please be aware that copying and pasting code from any other source other than code you have explicitly written on your own is considered plagiarism. If you receive help, that is fine (document help in the comments of your code) however you need to write your own code, name your own variables, and comment your own code. Students turning in the exact same work as another student will all be given zeros. Plagiarism is not tolerated, and students found to be plagiarizing will be given a zero and reported to the University with the possibility of termination of the class and degree program.

Write a Python program that will calculate the amount and cost of purchasing flooring. The user will enter the length of the room, the width of the room and the cost of the flooring per square foot. Calculate the total square feet, flooring cost, tax (7%) and total amount due. Display and identify the output for the total square feet needed, the calculated cost of the flooring, tax amount (7% of the total flooring cost) and the total (final cost). You do not need to round or truncate your answers.

Save your program as Lab1.py and upload your source file to the appropriate dropbox in GradeScope, ***NOT D2L!***

Sample Input Example:

Room Length: *60*

Room Width: *2*

Cost per Sq. Foot: *5.39*

Sample Output Example:

Square feet: 120.0

Flooring: 646.8

Tax: 45.276

Total: 692.0759999999999

REMEMBER

- Include the comment heading at the top of your code.

```
# Program Name: Lab1.py (use the name the program is saved
as)
# Course: IT1114/Section XXX
# Student Name: John Doe
# Assignment Number: Lab#
# Due Date: xx/xx/ 20XX
# Purpose: What does the program do (in a few sentences)?
# List specific resources used to complete the assignment.
```

- Place comments within your code explaining the programming segments