Lab 1

Introduction to Python

Grading: 100 points

Description: In this lab you will get practice with Python lists, strings and functions.

1. You have been given one Python file called hw1.py, which you will complete and submit. You will also create two functions of your own in a new file called my_functions.py and submit that file as well.

2. hw1.py has 5 functions that must be implemented by you. A description of what the function should do is written in the comments above each function. Make sure to read the comments carefully.

3. Implement each function and run the program. Calls to each function with test data and assert statements are included at the bottom of the file to test your work. You should see "correct" printed for each assert statement. If an error is thrown, go back and check your work.

4. After you have completed hw1.py, create a new file called my_functions.py.

5. Create 2 python functions – the first should take a list parameter and return an integer. The second function can be whatever you'd like. Include comments that describe what each function does inside the function using '' for comments. Create three calls to each function with test data to test them out. You do not need to use assert statements.

6. Submit hw1.py and my_functions.py to Blackboard.

Grading

70 points

Each function in hw1.py is worth 15 points each.

20 points

Each function with the 3 test calls is worth 10 points each.

10 points

Your name: Add your name to the top of each file

Readability: Make sure your code is indented and neatly commented. Include comments above the functions in my_functions.py that describes what the functions do. Do not leave old commented out code in your submission.

Compilation: If your code does not compile, you will receive a 0 on the lab. Once notified, you will have 3 days to fix the lab to receive partial credit, up to 75%.

Late Policy

3 points is deducted for each day the homework is late. You do not need to ask for an extension, you can always submit late with the 3 point per day penalty.