**Homework 2**

**Area and Perimeter of a Rectangle**

Design and implement an algorithm to find the perimeter and area of a rectangle. Given the length and width of a rectangle, write a Python program that computes and displays the perimeter and area along with the following requirements. **(100 possible points)**

* Name the source file hw2.py.
* Write program and programmer information at the top of the program as comments. (5 points)
* Write algorithm steps as comments. (20 points)
* Prompt user to enter length and width. (15 points)
* Calculate area and perimeter of the given rectangle. (35 points)
* Print the calculated values with proper descriptions. (15 points)
* Test and verify that the program outputs are correct. (10 points)

**Deliverables:**

Upload the hw2.py Python source file into Homework 2 dropbox in D2L before the due date.