**CS150 – Introduction to Computer Science I**

**Assignment 2** – save your file as *lastnameRectangle.py*

Topics: user-defined functions

**Directions:**

Write a program using functions to determine the area and perimeter of a rectangle with given sides. The user will enter the length and width. You may assume the user will enter whole numbers(integers). Your program should include four functions:

* a main function for input and calling other functions
* a function to calculate the area
* a function to calculate the perimeter
* a function to display the results

**Comments**:

* Include comments at the beginning of all programs to include purpose, author, date, filename, etc.
* Include comments throughout the program to explain segments of code. For example, each function should have a brief comment explaining the purpose of the function

Sample output: User input in bold

Enter length of rectangle: **12**

Enter width of rectangle: **15**

Area: 180

Perimeter: 54

Test your code with various inputs to make sure it is working correctly.

Save your file as *lastnameRectangle.py* and submit by the due date.