Instructions
Do the following exercises from the text book. The solution (the source code only) must be emailed to Sami Alesawi sami.alesawi@mavs.uta.edu by midnight of Oct. 9, 2017. All problems in this homework must be correctly labeled and in order to receive credit. Make certain your name, the date, and student ID are at the top of your email message. You should only email the C files of your program.

Problems 1 (34 points)

Question 2: Write two functions, area and perimeter, each receiving 2 integer parameters, length and width (of a rectangle). As their names suggest, area should return the rectangle area, and perimeter should return its perimeter. Write the main program which should prompt the user for the length and width, call the functions, and print the area and perimeter of the rectangle. A sample run is illustrated below, with user input typed in boldface.

Rectangle Geometry

Please enter the rectangle length: 5
Please enter the rectangle width: 4
A rectangle with length 5 and width 4

has area 20 and perimeter 18.

(This is a modified Exercise 1.9 from the textbook.)

Problems 2 (33 points)

Write Programs for Problem 3 from Chapter 1 of the text book.

Problems 3 (33 points)

Write Programs for Problem 4 from Chapter 1 of the text book.

Where and how to submit? Email to Sami Alesawi <sami.alesawi@mavs.uta.edu>