Assigned: 28 OCT 2019   Due: 6 NOV 2019

Notes for submission: Please submit ONE C source file to Canvas for the problem. You need to name the file using the format "[Your last name][Initial of your first name]_**sYourID_hw5.c**". For example, the file submitted by the student Jigang Wu with ID#123456789 for this homework assignment should be "WuJ_s123456789_hw5.c".

Homework problem: In C, hexadecimal numbers can be represented as character strings such as "1A2B3C4D5E6F". Write a program to ask the user input of two hexadecimal numbers, then calculate and display their sum. For simplicity, let's consider only positive integers, and the number of digit is less than 255 (Notice that the number could be very large, for example have 100 digits). And you don't need to consider invalid inputs. Please use the following formats for input and output:

Input:
printf("hexadecimal number 1: "); scanf("%s", hex1);
printf("hexadecimal number 2: "); scanf("%s", hex2);
Output:
printf("Their sum is %s\n", hexsum); // hexsum is the sum of hex1 and hex2