

CS 2073-002 Computer Programming with Engineering Applications

Fall 2009

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Homework 5

Due by Oct 23 (Friday), 2009 (5:00pm)

!!!! NO LATE HOMEWORK WILL BE ACCEPTED !!!

Total 50 points

HW Question: (loop, if-else)

Write a C program with a loop that asks user to enter a series of integers in the range of [-100 100]. If user enters a number out of that range, your program shouldn't consider it, and should ask for a new number. The user should enter 0 to stop the loop. When the loop stops, we want your program to display

- the largest TWO numbers entered in the range of [-100 100],
- the smallest TWO numbers entered in the range of [-100 100],
- the average of negative numbers entered in the range of [-100 100], and
- the average of positive numbers entered in the range of [-100 100].

For example if user enters -2 3 -4 -200 5 -3 120 0

Your program should print:

Two largest numbers are : 5 3

Two smallest numbers are : -4 -3

Average of negative values is -3

Average of positive values is 4

What to return: **!!!! NO LATE HOMEWORK WILL BE ACCEPTED !!!**

Save your program as hw5.c, run it a few times and copy/paste the output into file output5.txt. THEN, go to WebCT, and submit your files **hw5.c**, and **output5.txt** before the deadline. When you are writing your C program, don't forget to include **/* COMMENTS */**