

CSE2031

lab test 1

Friday Oct. 30, 2009

- Write a C program that first reads an integer n , followed by list of n integers in one line. Display the second largest number followed by a new line if $n=1$, the second max is the max is the only number read (use default format %d)

Submit as submit 2031 m4 m4.c

- Write a program that reads an integer n , followed by n integers.

The program finds the difference between each two consecutive numbers. Then the program displays the maximum difference followed by the two numbers that produced it

For example an input of

7

6 8 2 17 6 9 1

the differences are 2 -6 15 -11 3 -8 note that 2 is 8-6, -6 is 2-8, 15 is 17-2 and so on.

Obviously the maximum difference is 15, then display

15:2:17 again use default formating "%d:%d:%d\n"

Submit as submit 2031 m5 m5.c