ANKARA UNIVERSITY

COMPUTER ENGINEERING DEPARTMENT

Computer Programming II

Spring 2022-23

LAB1 Quiz
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Write a program that reads the following lines as much as the number in the first line of the given input file and prints the largest and smallest points and the difference between these two points on the screen. In the given input files, the number of points to be read is given in the first line. After the largest and smallest point values are printed on the screen, respectively, the difference between these two points should be printed on the screen last.

Note: It is assumed that the points in each subsequent line are ordered from largest to smallest.

I/O Format:

Input format: Integer numbers

Output format: Text

Example:

Input:

5 → number of points to be read
60
55
49
45
41

Output:

The largest point is 60
The smallest point is 41
The difference is 19

 Submission:

 1-Name your C source file as <student_id>.c; replace <student_id> with your student id number.

 2-Upload your C file using the interface provided in e-kampüs course page.

Compiling Process

Compiling your program and to use the input file

//normal compile process
    gcc yourfilename.c -o yourprogramname

//running compiled program
    ./yourprogramname

//to use .txt file as input
    ./yourprogramname<input.txt

// to use .txt file as input and to print the results to .txt file
    ./yourprogramname<input.txt>output.txt

// to compare two files
    diff -w filename1 filename2

Please, PAY ATTENTION TO THE I/O FORMAT!