

ANKARA UNIVERSITY
COMPUTER ENGINEERING DEPARTMENT
Computer Programming II
Spring 2022-23

LAB8 Quiz
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Suppose that you have an integer array as input and its size, find the maximum and minimum numbers in the array using pointer. Also you need to sort the array in ascending order.

PS: Using pointers is mandatory, code template has been given in the appendix. In main function; int p1, p2 has been defined, p1 indicates the max number and p2 indicates the minimum. Also there are two functions given to you to fill.

Int pointer() → this function finds the minimum and maximum number

Void sortTheArray() → this function sorts the array

There are some lines in the template code, please do not change these lines. These lines have been showed to you with comment line warnings.

Please do not forget to rename your file name as your student number.

Do not use any external libraries like <math.h> etc. Just use the <stdio.h>. Also using external functions like sum(), sort() is forbidden.

I/O Format:

Input format: array size
 Array values

Output format: Result

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 filename1 filename2
```

Please, PAY ATTENTION TO THE I/O FORMAT!