

CSCD 240

Lab 5 / Statically Sized Arrays & Functions

SPECIFICATION

The purpose of this lab is for you to become familiar with statically sized arrays in C, and C functions.

Program Flow:

- Prompt the user for a number and ensure the number is less than or equal to MAX.
- Fill the array.
- Sort the array – you may write a selectionSort (Where is Arrays.sort when we need it?).
- Calculate the Mean.
- Calculate the Median.
- Display the Results.
- Read the next number of numbers to enter.

The code for main() is provided. This code does not compile. Your task is to write the function prototypes and the function code in lab5.h and lab5.c respectively. Do not change the cscd240lab5.c file in any fashion. You must write your own mean and median code (do not use any built-in functions from any other .h files or libraries, except the functions in math.h).

TO TURN IN:

A zip file that contains

- cscd240lab5.c, lab5.c, and lab5.h
- cscd240lab5out.txt – at least 4 runs

Name the zip file your last name, first letter of your first name, course name and section, LAB5.zip (Example: JOHNSONSCSCD240001LAB5.zip)