CPET 1120 – C Programming for Engineering Technology

LAB 6

Write a program that has an array that can store up to a maximum of 100 integer elements. The user enters up to 100 integers into the array. The user will then select from a menu; determine the maximum number, minimum number, or sorted number list.

There are 4 functions.

main()   Declares an integer array called numbers[100] where the user input is stored and prompts the user via a menu to select between:
- Enter numbers
- Determine the maximum number
- Determine the minimum number
- Sort the number list from lowest to highest
- Quit

get_num()   The operator enters up to 100 numbers that are stored in an array back in main. The actual number of array elements entered is stored in main as well.

max_num()   Determines and displays the maximum number from the stored list, the number of elements in the list, and the entire list of numbers that were entered.

min_num()   Determines and displays the minimum number from the stored list, the number of elements in the list, and the entire list of numbers that were entered.

sort_num()   Determines and displays a sorted number list, from lowest to highest, as well as the original number list.

Each function can have whatever formal parameters you deem necessary, but they must ALL be type void.

LAB REQUIREMENTS

- *Print the user inputted text to computer screen*
- *Print the program output/results to screen*
- *Mark the beginning of main, and each of the user generated function definitions, with the format described and used in your previous labs*
- *Attach a copy of the Source Code with the Program results to this page and turn it in.*