**Subject: PRF192- PFC**

**Workshop 05**

**Objectives: Managing arrays**

**EX1 ( 2 marks) :** Write a C program to input elements in array and print all negative elements

Example

Input

Input array:

-1

-10

100

5

61

-2

-23

8

-90

51

Output : -1, -10, -2, -23, -90

**EX2 ( 3 marks) :** Write a C program to find largest and second largest element in an array.

Example

Input

Input array elements: -7 2 3 8 6 6 75 38 3 2

Output

First largest = 75

Second largest = 38

**EX3 ( 5 marks) :** Develop a C-program that helps user managing an 1-D array of real numbers (maximum of 100 elements) , with initial number of elements is 0, using the following simple menu:

1- Enter n values for the elements in the array

2- Search a value

3- Print out the prime numbers in the array

4- Sort the elements that are even in ascending order

5- Print out the array in ascending order

Others- Quit

* When the option 1 is selected, user will enter n values for the elements in the array.
* When the option 2 is selected, user will enters a value then number of it’s existences will be printed out.
* When the option 3 is selected, prime numbers will be printed.
* When the option 4 is chosen, Sort the elements that are even in ascending order. Print the sorting results to the screen.
* When the option 5 is chosen, values in array will be printed out in Descending order.