**Subject: PRF192- PFC**

**Workshop 06**

**Objectives: Managing arrays**

Program 1:

Text

Description automatically generated

PROGRAM 2:

Text

Description automatically generated

PROGRAM 3:

Graphical user interface, text, application

Description automatically generated

PROGRAM 4:

Graphical user interface, text, application, chat or text message

Description automatically generated

PROGRAM 5:

Text

Description automatically generated

PROGRAM 6:

Graphical user interface, text, application, chat or text message

Description automatically generated

PROGRAM 7:

Text

Description automatically generated

PROGRAM 8:

Graphical user interface, text, email

Description automatically generated

PROGRAM 9:

Text

Description automatically generated

PROGRAM 10:

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- Add a value

2- Search a value

3- Print out the array

4- Print out values in a range

5- Print out the array in ascending order

Others- Quit

* When the option 1 is selected, user will enters a value then it is added to the array
* When the option 2 is selected, user will enters a value then number of it’s Program istences will be printed out.
* When the option 3 is selected, values in the array will be printed out.
* When the option 4 is chosen, user will enter 2 values, minVal and maxVal, the values in array which are between minVal and maxVal are printed out (minVal <=value<=maxVal)
* When the option 5 is chosen, values in array will be printed out in ascending order but **their position are preserved. ( sorting based their pointers only)**