**Workshop 3**

**(Functions must be separated into separate functions)**

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

1. Enter the elements in the array (*input*)
2. Print out **all** the elements in the array (*output*)
3. Print out **even** values in array
4. Print out values in a **range**
5. Search **maximum** value of the array.
6. Add a new element.
7. Search for x value in array. (Exit/ No exit)
8. Search for x value in array, print out the positions with x. (index)
9. Remove the **first** existence of a value.
10. Remove **all** existence of a value.
11. Print out the array in **ascending** order.
12. Print out the array in **descending** order.
13. Quit.