Introduction to Computing Laboratory
Assignment – 7

1. Write a program in C to find the maximum, minimum, sum and average of 10 integer numbers stored in an array.

2. Write a program in C to populate two integer arrays 'A' and 'B' of size 10 each. Add the elements of these two arrays and store the sum in another integer array 'C' of size 10 in the following fashion:

   C[0] =A[0] + B[9], C[1]=A[1] + B[8], C[2] =A[2] + B[7], … and so on.

3. Write a program in C to populate an array with some integer numbers and accept a key value from the user. Now perform *linear search* to check whether the key element is present in the array or not. If it is in the array print the index of the element in the array. Otherwise print the failure message.

4. Write a program in C to populate an array of size 10 with 9 integer numbers. Now insert an element into the array at a specific position, and then delete another element from a specific position of the array.

5. Write a program in C to populate an array of 10 integers and find the element(s) with maximum (maximal) frequency.

6. Write a program in C to implement Bubble sorting.