# Lab 10: Arrays, Functions and Pointers

## Objectives:

To learn to write programs to model repetitive data using arrays

To learn use of Arrays with functions

To learn the pointer arithmetic

## Tasks(Perform all the tasks using pointer arithmatic):

1. Write a program in C++ to delete an element at desired position from an array. Go to the editor

Test Data :

Input 5 elements in the array in ascending order:

element - 0 : 1

element - 1 : 2

element - 2 : 3

element - 3 : 4

element - 4 : 5

Input the position where to delete: 3

Expected Output: The new list is: 1 2 4 5

1. Write a program to find the second largest element in an array
2. Write a program to find the number of times (frequency) a given number occurs in an array.
3. Write a program to check whether an array is subset of another array.

The given first array is: 4 8 7 11 6 9 5 0 2

The given second array is: 5 4 2 0 6

The second array is the subset of first array.

1. Write a program to move the given number to the end of a given array.

Expected Output:

The given number is: 0

The given array is: 2 5 7 0 4 0 7 -5 8 0

The new array is:

2 5 7 8 4 -5 7 0 0 0