**Lab No. 1 Tasks**

**1D ARRAYS**

Q. Create an array of length 10 of integers. Values ranging from 1 to 50.

1. Find all pair of elements whose sum is 25.

2. Find the number of elements of A which are even, and the number of elements of A which are odd.

3. Write a procedure which finds the average of the value of A.

4. Write a procedure which adds an element in an array at a given index. Take the value to add and the index from the user by using Shift down technique.

1. Write a procedure which looks for 2 numbers 45 and 14 in an array and delete them if they are present in the array by using Shift up technique.

**2D ARRAYS**

1. Write a program which input 2 matrix of user defined rows and columns and perform following operation

a. Display/Print as a Matrix

b. Addition of Matrix

c. Subtraction of Matrix

d. matrix multiplication

e. Determinant

f. Inverse