Q1. Single Dimensional Array

- Write a program to search an element in an array using linear search technique. Write separate functions for reading the array, and for searching the element in the array.
- Write a program to search an element in an array using binary search technique. Write separate functions for reading the array, and for searching the element in the array.
- Write a program to insert an integer in an array of N integers. Write separate functions for reading the array, displaying the array and to insert the element in the array.
- Write a program to delete an integer in an array of N integers. Write separate functions for reading the array, displaying the array and to delete the element from the array.

Q2. Two Dimensional Array

- Write a program to find the multiplication of two matrices. Write separate functions for reading the matrix, displaying the matrix and to find the multiplication of the matrices.
- Write a program to find the transpose of a matrix. Write separate functions for reading, displaying and to find the transpose of the matrix.
- Write a program to find check whether the matrix is upper triangular or not. Write separate functions for reading the matrix and to check whether the matrix is upper triangular or not.