Write functions to calculate the following expressions:

Write function to find the maximum number of an interger array.

Write function to find the minimum number of an interger array.

Write function to sum all numbers of an interger array.

Write function to sum all non-positive numbers of an interger array.

Write function to sum all even numbers of an interger array.

Write function to reverse an array without using temporary array.

Write program to delete an element from an array at specified position

Write program to count total number of duplicate elements in an array.

Write program to delete all duplicate elements from an array.

Write program to count frequency of each element in an array.

Write program to merge two array to third array.

Write program to put even and odd elements of array into two new separate arrays.

Write program to search an element in an array by providing key value.

Write program to sort array elements in ascending order

Write program to add two matrces

Write program to subtract two matrices.

Write program to multiply two matrices.

Write program to check whether two matrices are equal or not.

Write program to find transpose of a matrix.

Write program to find determinant of a matrix.