**Problems**

1. Find sum of all array elements using recursion.
2. Create an array ‘a1’ with ‘n’ elements. Insert an element in ith position of ‘a1’ and also delete an element from jth position of ‘a1’.
3. Convert uppercase string to lowercase using for loop.
4. Find the sum of rows and columns of matrix of given order (row x column).
5. Find the product of two matrices using pointers.
6. Store ‘n’ numbers (integers or real) in an array. Conduct a linear search for a given number and report success or failure in the form of a suitable message.
7. Write a program to reverse an array.
8. Find the largest three distinct elements in an array: Input: arr[] = {10, 4, 3, 50, 23, 90} Output: 90, 50, 23
9. Move all zeroes to end of array
10. Rearrange an array in maximum minimum form using Two Pointer Technique. Input: arr[] = {1, 2, 3, 4, 5, 6, 7} Output: arr[] = {7, 1, 6, 2, 5, 3, 4}.
11. Print all Distinct ( Unique ) Elements in given Array: Input: arr[] = {12, 10, 9, 45, 2, 10, 10, 45} Output: 12, 10, 9, 2
12. Write a program to count the total number of nonzero elements in a two-dimensional array.
13. Write a program using pointers to interchange the second biggest and the second smallest number in the array.