Assignment 05

Arrays

19- . Write a program that prints an identity matrix using for loop, in other words takes a value n from the user and shows the identity table of size n * n.

20- Write a program in C# Sharp to find the sum of all elements of the array.

21- Write a program in C# Sharp to merge two arrays of the same size sorted in ascending order.

22- Write a program in C# Sharp to count the frequency of each element of an array.

23- Write a program in C# Sharp to find maximum and minimum element in an array

24- Write a program in C# Sharp to find the second largest element in an array.

25-. Consider an Array of Integer values with size N, having values as in this Example

7	0	0	0	5	6	7	5	0	7	5	3

write a program find the longest distance between Two equal cells. In this example. The distance is measured by the number Of cells- for example, the distance between the first and the fourth cell is 2 (cell 2 and cell 3).

In the example above, the longest distance is between the first 7 and the 10th 7, with a distance of 8 cells, i.e. the number of cells between the 1st And the 10th 7s.

Note:
- Array values will be taken from the user
- If you have input like 1111111 then the distance is the number of
Cells between the first and the last cell.

26- Given a list of space separated words, reverse the order of the words.

Input: this is a test   Output: test a is this

Input: all your base   Output: base your all

Input: Word   Output: Word

Note :

Check the **Split Function** (Member in String Class) Output will be a Single
Console.WriteLine Statement

27- Write a program to create two multidimensional arrays of same size. Accept value from user and store them in first array. Now copy all the elements of first array on second array and print second array.

28- Write a Program to Print One Dimensional Array in Reverse Order