

C# Lab D02:

TRY ALL WHAT YOU HAVE TAKEN IN THE LECTURES

- 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
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Your task will be to 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 111111 then the distance is the number of Cells between the first and the last cell.

- 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

>> Check the Split Function (Member in String Class)

Output will be a Single Console.WriteLine Statement

- How can you count the occurrence of 1 from 1 to 99,999,999 (1 short of 100 million) and total up how many 1s were there.

(Convert Numbers to String in Case one and use String Functions to Count 1s,

Use Only Mathematical Functions and Numeric values in case 2 and see the difference in performance)

Is There Any Other Way to Do it in Approximately 1 Second or less