CODING TEST

**Instructions :**

Use Language of your choice

Write only the function, not the full code!

Pseudo Code will not be accepted!

All inputs will be passed to the function as parameters

**Take reading time of ten minutes to go through the questions.**

GOOD LUCK

**Arrays:**

1. In a given 2 D array , if an element is found to be zero , set all the elements in that particular row and column to zero.

Function prototype :

setZero(int [][]matrix, int rows, int cols)

1. Given an integer array as input, remove all consecutive duplicates.

Eg. Input: 111223334 , output : 1234

Input2: 12334 , output2 : 1234

Input3: 111 , output3 : 1

# Input4: 1121121 , output4 : 12121

**Strings:**

3.Given two strings as input, find if they are a rotation of each other.

You are also given an in built function isSubString(String s1,String s2) or its ‘c’ equivalent which returns true(1 in c) if s1 and s2 are substrings and false(0 in c) otherwise.

Eg. “D r a g o n” is a rotation of “g o n d r a”

“w a t e r” **is not** a rotation of “a w t e r”

4. Given two strings as input(all lowercase letters and no spaces),

Write a function to determine if they are anagrams of each other

Prototype : isAnagram(String s1,String s2)

Eg. motherinlaw – s1 , womanhitler – s2

Output : true

Asdasd – s1 , dsfgdfg – s2

Output : false