**Programming Fundamentals**

**Assignment 1**

**Topic: Arrays/CString**

**Due Date: Saturday 9th April 2022 8:00 PM Total Marks: 20**

**Instructions to submit assignment:**

* **Please make a folder by your name and place two separate .cpp files of each question in it and winzip or winrar the folder.**
* **Submit the zipped folder on portal under Assignment 1 submission**
* **Late submissions will not be entertained in any case, try to submit assignment atleast one hour before the prescribed time to avoid emergency cases.**

Note : YOU WILL GET 2 BONUS MARKS IF YOU MAKE USE OF FUNCTIONS IN ASSIGNMENT

**Question 1:**

We'll say that a "triple" in a string is a char appearing three times in a row. Write a C++ program that count number of triples in the CString of maximum size 50, and its value must be entered by user. The triples may overlap: For example aaaa contains 2 triplets

**Sample Input / Output:**

Input string: abcXXXabc  
triplet counts: 1

Input string: xxxabyyyycd  
triplet counts: 3

Input string: a  
triplet count: 0

**Question 2:**

Write a C++ program that reads a Cstring of maximum size 50 , input by user and display true if the number of appearances of "is" anywhere in the Cstring is equal to the number of appearances of "not" anywhere in the Cstring (case sensitive) else display false.

**Sample Input / Output:**

Input string: This is not   
Output: false

Input string: This is notnot  
Output: true  
Input string: noisxxnotyynotxisi  
Output: true