C++ Strings Lab 'C' Assignments 9-1-2023

1.	Code to check whether two given strings are anagram or not. An anagram is **a word or phrase formed by rearranging the letters of a different word or phrase, typically using all the original letters exactly once**. Any word that exactly reproduces the letters in another order is an anagram. Example: Input : str1 = "a gentleman" str2 = "elegant man" output : Yes Input: str1 = "William Shakespeare" str2 = "I'll make a wise phrase." output : Yes Input: str1 = "Nitw" str2 = "Cse" output : No
2.	Code to check if the given string is a **Tribonacci** string or not. Input : 1124711 Output: Yes Explanation : 1 + 1 +2=4, 1+2+4= 7, 2+4+7 = 11 Input : 2316159 Output : No Input : 452118410 Output: Yes Explanation : 4+5+2=11 ,5+2+1=8, 2+1+1=4, 1+1+8 = 10
3.	Code to find the maximum length contiguous palindrome substring of a given string . Example1: the longest palindromic substring of "bananas" is "anana". Example2: The longest palindromic substring of "abdcbcdbdcbbc" is "bdcbcdb".
4.	Code to remove adjacent duplicates from a given array of characters iteratively and also **recursively**. Input : A = { 'N' , 'I', 'P', 'M', 'M' , 'P , 'T' , 'R', 'S', 'S', 'R,''W' } Output : NITW

"Education is the manifestation of perfection already in man"

Swami Vivekananda

Education is Not a problem

Education is Notable opportunity

Education Needs Taught

Education Breeds Thought

Education is Not Received

Education is Practiced

- KR