# PF Lab 3
# CSTRING

## Question1:

**Write a program in C++ that receives a CString and test and tell whether the CSstring is palindrome or not. A string is said to be palindrome if the reverse of it is same as original**
**For example: DAD, MOM both are palindrome as their reverse is same as their original but UNCLE , CAT these are non-palindromes.**

## Question2:

**Write a C++ program that takes noun (a single word CString input) and display their plurals on the basis of these rules**

**If noun ends in "y" remove the "y" and add "ies."**
**If noun ends in "s","ch", or "sh" add "es."**
**In all other cases, just add "s."**

## Question 3:

**Read 2 CStrings, a and b of maximum size 10 each, create a new CString made of the first char of a and the last char of b, so "yo" and "java" yields "ya".**

**Input a: last**
**Input b: chars**
**Output: ls**

## Question 4:

**Read an "out" string length 4, such as "<<>>", and a word, display a new CSstring where the word is in the middle of the out string, e.g. "<<word>>".**

**Input out: <<>>**
**Input word: Yay**
**Output: <<Yay>>**
**Input out: [[]]**
**Input word: Pakistan**
**Output: <<Pakistan>>**

## Question 5:

**Read a CString, if a length 2 substring appears at both its beginning and end, display a string without the substring at the beginning, so "HelloHe" yields "lloHe". The substring may overlap with itself, so "Hi" yields "". Otherwise, display the original string unchanged.**

**Input CString: HelloHe**
**Output: lloHe**
**Input CString: HelloHi**
**Output: HelloHi**
**Input CString: Hi**
**Output: //Blank as same string appears at beginning and end and nothing in between**

## Question 6 (a):

**Read a CString, display a version without the first 2 chars, except keep the first char if it is 'a' and keep the second char if it is 'b'. The CString may be any length but not more than 15 characters long.**

**Input CString: Hello**
**Output: llo**
**Input CString: java**
**Output:va**
**Input CString: abnormal**
**Output: abnormal**

## Question 6 (b):

**Read a CString, store a version without the first 2 chars, except keep the first char if it is 'a' and keep the second char if it is 'b'. The CString may be any length. Display the stored version.**

**Note: same output as Question 6 part a**