Design

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Diagram:

Input the word
you want to test

Delete the non-
characters

Change all leters
into lower case

Return whether
the phrase is a
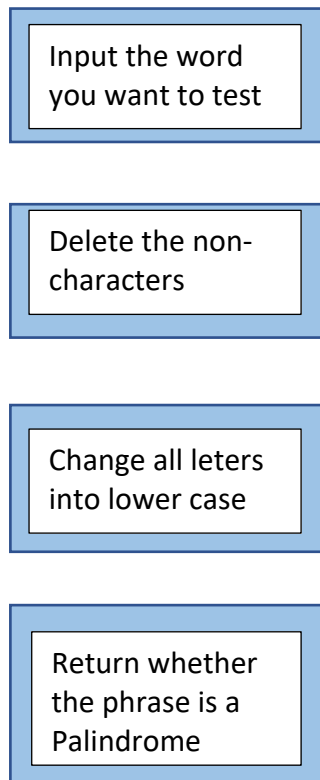Palindrome

Description:

I use "void removeNonLetters(string *s)" function to remove the non letters

I use "void lowerCase(string *st);" function to change all upper letters to lower letters.

I use "string isPalindrome(string *str);" to check after remover the non letters and change to low case, is that palindrome.

When I try to make changes to the input, I use pointer, because it will completely changed the input.

In the main function, I used " getline (cin,input);" to make a input, and called those three functions to make changes on input.

Test:

input 1: Race fast, safe car.
Expect output 1: Yes
Output: Yes

input 2: Bo1b
Expect output 2: Yes
Output: Yes

input 3: ADDS is fun
Expect output 3: No
Output: No