

ADDS Practical1

UML Diagram

Palindrome
-phrase: string
+removeNonLetters() void; +lowerCase(); void; +isPalindrome() void;

Description

removeNonletters(): the tool which can remove all the non-letter characters;

lowerCase(): the tool which can convert Upper letters to Lower letters;

isPalindrome(): function which tell us whether the phrase is a palindrome or not.

Main

The main function ask the user input a phrase, then it call removeNonletters function to remove all the non-letter characters, call lowerCase function to convert Upper letters to Lower letters; Finally it calls isPalindrome function to tell the user whether the phrase is palindrome or not by giving answer "Yes/No".

Testing

Given input:235987235979275

Expected output:Yes

Given input:glenelg

Expected output: Yes

Given input:42987yesoset324923

Expected output No