ADDS Prac 1 Design

Hideki Yoshinaga | a1658945

01/08/2017

UML Diagram

Palindrome
String pString
Palindrome(string phrase) void removeNonLetters() void lowerCase() bool isPalindrome()

Description

Palindrome

This class stores a phrase and supports three
methods:
• removeNonLetters: remove all non-alphabetical characters from the phrase
• lowerCase: change all letters in the phrase into lower cases
• isPalindrome: return whether the phrase is a Palindrome

main

The main function takes as input a phrase
(one line of characters, containing letters, spaces, digits, and punctuations).
Then use the Palindrome Class to determine whether the input phrase is Palindrome or not.

[1]Testing

1 expect output
No

Given input
516156416810

2expect output
Yes

Given input
Maps, DNA, and spam

3expect output
No

Given input
$%#$^$&*&