

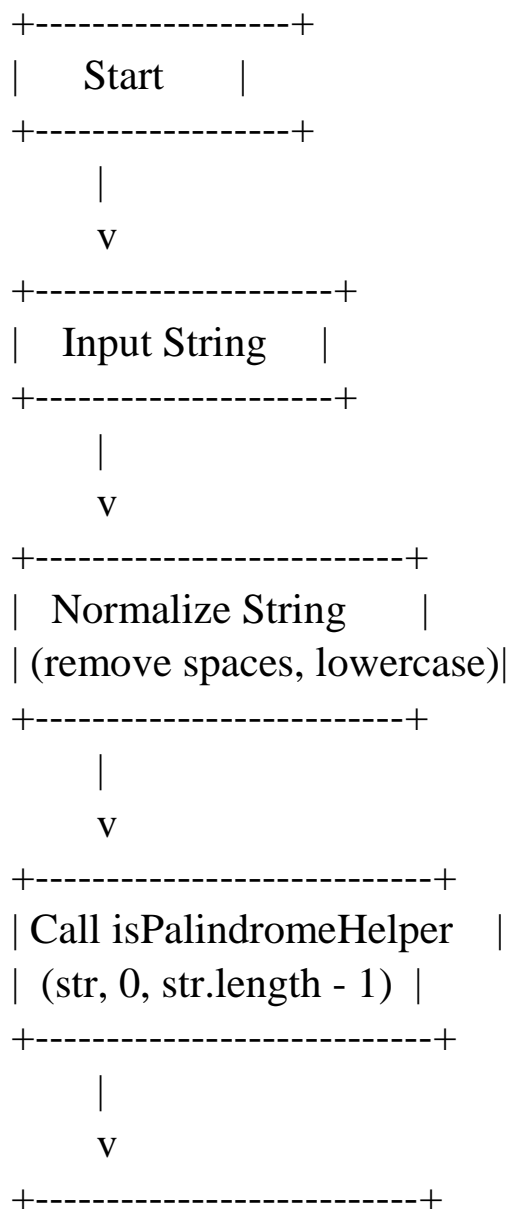
❖Palindrome:

Explanation: -

The problem is to determine if a given string is a palindrome, meaning it reads the same forwards and backwards, ignoring spaces and case sensitivity. The solution involves using a recursive approach to compare characters from both ends of the string, moving inward. If all corresponding characters are the same, the string is identified as a palindrome; otherwise, it is not.

Time Complexity: - $O(n)$

Space Complexity: - $O(n)$



```

| isPalindromeHelper      |
+-----+
|
| v
+-----+
| If left >= right, return true |
+-----+
|
| v
+-----+
| If str.charAt(left) != str.charAt(right),|
| return false (not a palindrome)          |
+-----+
|
| v
+-----+
| Call isPalindromeHelper(str, left+1,|
|           right-1)                  |
+-----+
|
| v
+-----+
| Output Result                |
| (Is palindrome or not)|
+-----+
|
| v
+-----+
| End                          |
+-----+

```