

Valid Palindrome - LeetCode

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Description

Solution

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125. Valid Palindrome

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A phrase is a **palindrome** if, after converting all uppercase letters into lowercase letters and removing all non-alphanumeric characters, it reads the same forward and backward. Alphanumeric characters include letters and numbers.

Given a string `s`, return `true` if it is a **palindrome**, or `false` otherwise.

Example 1:

Input: `s = "A man, a plan, a canal: Panama"`

Output: `true`

Explanation: "amanaplanacanalpanama" is a palindrome.

Example 2:

Input: `s = "race a car"`

Output: `false`

Explanation: "raceacar" is not a palindrome.

Example 3:

Input: `s = " "`

Output: `true`

Explanation: `s` is an empty string "" after removing non-alphanumeric characters.

Java

Autocomplete

```
1 class Solution {
2     public boolean isPalindrome(String s) {
3         String res="";
4
5         for(int i=0;i<s.length();i++){
6             if(Character.isAlphabetic(s.charAt(i))){
7                 res+=Character.toLowerCase(s.charAt(i));
8             }
9             else if(Character.isDigit(s.charAt(i)))
10                res+=s.charAt(i);
11        }
12
13        int left=0,right=res.length()-1;
14
15        while(left<right){
16            if(res.charAt(left)!=res.charAt(right))
17                return false;
18
19            left++;
20            right--;
21        }
22
23        return true;
24    }
25 }
26 }
```

Problems

Pick One

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Console

Contribute

Run Code

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