

Description

Solution

Discuss (845)

Submissions

647. Palindromic Substrings

Medium 3099 125 Add to List Share

Given a string, your task is to count how many palindromic substrings in this string.

The substrings with different start indexes or end indexes are counted as different substrings even they consist of same characters.

Example 1:

Input: "abc"

Output: 3

Explanation: Three palindromic strings: "a", "b", "c".

Example 2:

Input: "aaa"

Output: 6

Explanation: Six palindromic strings: "a", "a", "a", "aa", "aa", "aaa".

Note:

- The input string length won't exceed 1000.

Accepted 212,174 | Submissions 346,881

JavaAutocomplete

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```
class Solution {
    int count = 0;
    public int countSubstrings(String s) {
        if (s == null || s.length() == 0) return 0;

        for (int i = 0; i < s.length(); i++) { // i is the mid point
            extendPalindrome(s, i, i); // odd length;
            extendPalindrome(s, i, i + 1); // even length
        }

        return count;
    }

    private void extendPalindrome(String s, int left, int right) {
        while (left >= 0 && right < s.length() && s.charAt(left) == s.charAt(right)) {
            count++; left--; right++;
        }
    }
}
```

Testcase

Run Code Result

Debugger

Accepted

Runtime: 0 ms

Your input

"abc"

Output

3

Diff

Expected

3