

Description

Solution

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557. Reverse Words in a String III

Easy

2325

145

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Given a string `s` , reverse the order of characters in each word within a sentence while still preserving whitespace and initial word order.

Example 1:

Input: `s = "Let's take LeetCode contest"`
Output: `"s'teL ekat edoCteeL tsetnoc"`

Example 2:

Input: `s = "God Ding"`
Output: `"doG gniD"`

Constraints:

- `1 <= s.length <= 5 * 104`
- `s` contains printable **ASCII** characters.
- `s` does not contain any leading or trailing spaces.
- There is **at least one** word in `s` .
- All the words in `s` are separated by a single space.

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Seen this question in a real interview before?

Yes

No

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```
1 class Solution {
2     public String reverseWords( String s ) {
3
4         char[] chars = s.toCharArray();
5         int leftPointer = 0;
6         int rightPointer = 0;
7
8         for (char aChar : chars) {
9             if (aChar == ' ') {
10                 reverseString(chars, leftPointer, rightPointer - 1);
11                 rightPointer++;
12                 leftPointer = rightPointer;
13             } else {
14                 rightPointer++;
15             }
16         }
17
18         reverseString(chars, leftPointer, rightPointer - 1);
19
20         return new String(chars);
21     }
22
23     private void reverseString( char[] s, int leftPointer, int rightPointer ) {
24         while (leftPointer < rightPointer) {
25             char temp = s[leftPointer];
26             s[leftPointer++] = s[rightPointer];
27             s[rightPointer--] = temp;
28         }
29     }
30 }
```