

557 Reverse Words in a String III

2018年4月15日 16:38

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

Example 1:

Input: "Let's take LeetCode contest"

Output: "s'teL ekat edoCteeL tsetnoc"

Note: In the string, each word is separated by single space and there will not be any extra space in the string.

来自 <<https://leetcode.com/problems/reverse-words-in-a-string-iii/description/>>

给定一个字符串，你需要反转字符串中每个单词的字符顺序，同时仍保留空格和单词的初始顺序。

示例 1:

输入: "Let's take LeetCode contest"

输出: "s'teL ekat edoCteeL tsetnoc"

注意: 在字符串中，每个单词由单个空格分隔，并且字符串中不会有任何额外的空格。

Solution for Python3:

```
1 class Solution1:
2     def reverseWords(self, s):
3         """
4         :type s: str
5         :rtype: str
6         """
7         return ' '.join(ss[::-1] for ss in s.split(' '))
8
9 class Solution2:
10     def reverseWords(self, s):
11         """
12         :type s: str
13         :rtype: str
14         """
15         return ' '.join(s.split()[::-1])[::-1]
```

Solution for C++:

```
1 class Solution {
2 public:
```

```
3     string reverseWords(string s) {
4         istringstream iss(s);
5         string word;
6         string res;
7         while (iss >> word) {
8             reverse(word.begin(), word.end());
9             res += word + " ";
10        }
11        return res.erase(s.find_last_not_of(" ") + 1);
12    }
13 };
```