

75 Days of Code

Day6 Problem no: 151

Given an input string **s**, reverse the order of the words.

A word is defined as a sequence of non-space characters. The words in **s** will be separated by at least one space.

Return a *string of the words in reverse order concatenated by a single space*.

Note that **s** may contain leading or trailing spaces or multiple spaces between two words. The returned string should only have a single space separating the words. Do not include any extra spaces.

Example 1:

Input: **s = "the sky is blue"**

Output: **"blue is sky the"**

Example 2:

Input: **s = " hello world "**

Output: **"world hello"**

Explanation: Your reversed string should not contain leading or trailing spaces.

Solution

For this problem ,

Step 1. Trim and Split string into array with single blankspace and store it

Step 2 . Reverse the stored array

Step 3. Loop the reversed array and concatenate only the string with length greater than 1 with an blank space ;

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Step 4 : return the result string after trimming again ;

```
function reverseWords(s: string): string {  
  let s1 = s.trim();  
  let wordsArr = s1.split(" ");  
  let reverseArr = wordsArr.reverse();  
  let resultString='';  
  for(let index =0;index<reverseArr.length;index++){  
    if(reverseArr[index].length>=1){  
      resultString+=" "+reverseArr[index];  
    }  
  }  
  return resultString.trim();  
};  
  
let reverString = reverseWords("the sky is blue")  
console.log(reverString)
```

```
[Running] node "c:\Users\Shubham\Desktop\75daysOfCode\75DaysOfCode\day6.js"  
blue is sky the
```