53. Reverse Words in a String

* [Description](http://www.lintcode.com/en/problem/reverse-words-in-a-string/" \l "description)
* [Notes](http://www.lintcode.com/en/problem/reverse-words-in-a-string/#note)
* [Testcase](http://www.lintcode.com/en/problem/reverse-words-in-a-string/#testcase)
* [Judge](http://www.lintcode.com/en/problem/reverse-words-in-a-string/#judge)

Given an input string, reverse the string word by word.

For example,  
Given s = "the sky is blue",  
return "blue is sky the".

Have you met this question in a real interview?

Yes

**Clarification**

* What constitutes a word?  
  A sequence of non-space characters constitutes a word.
* Could the input string contain leading or trailing spaces?  
  Yes. However, your reversed string should not contain leading or trailing spaces.
* How about multiple spaces between two words?  
  Reduce them to a single space in the reversed string.

<http://www.lintcode.com/en/problem/reverse-words-in-a-string/#>

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*\*/*

**package** javaapplication6;

**import** java.util.Arrays;

**import** java.util.Collections;

**import** java.util.List;

***/\*\****

***\****

***\* @author Usuario***

***\*/***

**public** **class** JavaApplication6 {

***/\*\****

***\* @param args the command line arguments***

***\*/***

**static** String limpiar(String s) {

        String ans ="";

**int** i =0;

**while**(i < s.length()) {

            String concat ="";

**while**(i < s.length() && s.charAt(i ) ==' '){

                i++;

            }

**while**(i < s.length() && s.charAt(i) != ' ') {

                concat += s.charAt(i);

                i++;

            }

            ans += concat + " ";

        }

**return** ans.trim();

    }

**public** **static** String reverseWords(String s) {

*// write your code here*

        String[] words = limpiar(s).split(" ");

        List<String> listRev = Arrays.asList(words);

        Collections.reverse(listRev);

        String[] rev = listRev.toArray(words);

**return** String.join(" ", rev).trim();

    }

**public** **static** **void** main(String[] args) {

*// TODO code application logic here*

       String s = "  the           sky        is         blue  ";

       System.out.println(  reverseWords(s));

    }

}