Reverse Words in a String

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

Example:

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Input: "the sky is blue",

Output: "blue is sky the".
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Note:

- A word is defined as a sequence of non–space characters.
- Input string may contain leading or trailing spaces. However, your reversed string should not contain leading or trailing spaces.
- You need to reduce multiple spaces between two words to a single space in the reversed string.