

 Ask a Question

Reverse Words in a String

Try to solve the Reverse Words in a String problem.

We'll cover the following



- Statement
- Examples
- Understand the problem
- Figure it out!
- Try it yourself

Statement

Given a sentence, reverse the order of its words without affecting the order of letters within the given word.

Constraints:

- The sentence contains English uppercase and lowercase letters, digits, and spaces.



- $1 \leq \text{sentence.length} \leq 10^4$
- The order of the letters within a word is not to be reversed.



Note: The input string may contain leading or trailing spaces or multiple spaces between words. The returned string, however, should only have a single space separating each word. Do not include any extra spaces.

Examples

Sample example 1

Input

input string	"Reverse this string"
--------------	-----------------------

Output

reversed string	"string this Reverse"
-----------------	-----------------------





Understand the problem

Let's take a moment to make sure you've correctly understood the problem. The quiz below helps you check if you're solving the correct problem:

Reverse Words in a String

1

What should be the output if the following sentence is given as an input?

“The quick brown fox jumped over a lazy dog”

A) “lazy dog a over fox jumped brown quick The”

B) “dog lazy over a jumped fox brown quick The”

C) “dog lazy jumped jumped fox brown quick The”



D) “dog lazy a over jumped fox brown quick The”

Reset Quiz ↻



Question 1 of 4
0 attempted



Submit Answer

Figure it out!

We have a game for you to play. Rearrange the logical building blocks to develop a clearer understanding of how to solve this problem.

Sequence - Vertical ⓘ

Drag and drop the cards to rearrange them in the correct sequence.

0

Start iterating over the reversed string using two pointers, **start** and **end** , initially set at index **0** .

1

Repeat the process until the entire string is iterated and return the string.



2

Reverse Words in a String

Reverse the entire string.

3

While iterating over the string, when **end** points to a space, reverse the word pointed by **start** and **end-1**.

4

Once the word has been reversed, update the **start** and **end** to the start index of the next word.

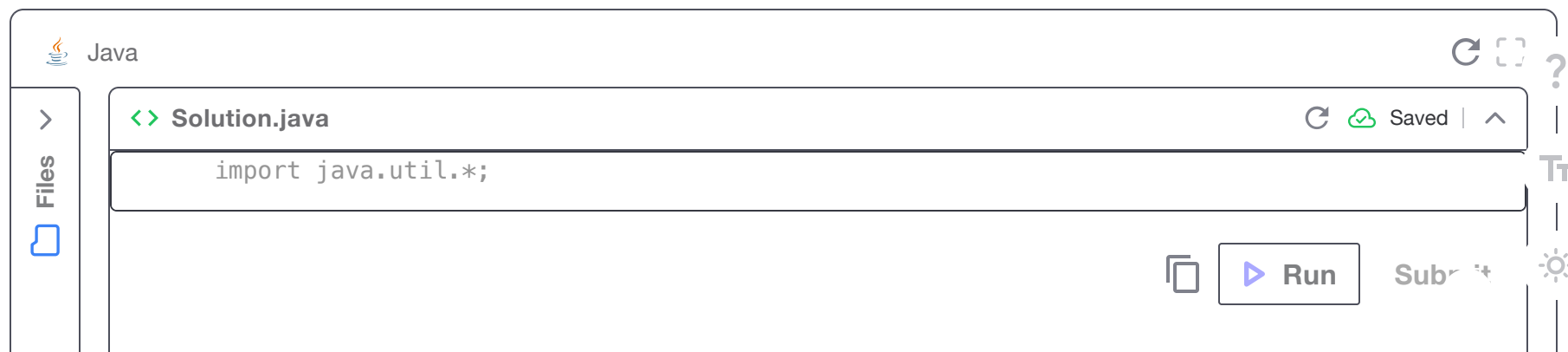
 Reset

Show Solution

Submit

Try it yourself

Implement your solution in `Solution.java` in the following coding playground. The supporting code template provided in `TwoPointers.java` is meant to assist in developing your solution to the problem.



Java

> Files


<> Solution.java

import java.util.*;

Run Submit



...

☒ **Test Cases** ☐ **Results** ☐ **Code Feedback** BETA  

Reverse Words in a String

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Solution: Sort Colors

Solution: Reverse Words in a String

