

1. Python: Reverse Words and Swap Cases

Implement a function that takes a string consisting of words separated by single spaces and returns a string containing all those words but in the reverse order and such that all cases of letters in the original string are swapped, i.e. lowercase letters become uppercase and uppercase letters become lowercase.

Example

`sentence = "rUnS dOg"`

Reverse the word order and swap the case of all letters, then return the string "DoG RuNS".

Function description

Complete the function `reverse_words_order_and_swap_cases` in the editor below.

The function has the following parameter(s):

string sentence: a given string of space-separated words

Returns:

string: a string containing all the words from the sentence but in the reverse order and such that all cases of letters in the sentence string are swapped.

Constraints

- sentence* contains only English letters and spaces.
- sentence* begins and ends with a letter.
- There are no two consecutive spaces in *sentence*.
- There are at most 10 words in *sentence*.
- The lengths of each of the words is at most 10.

▼ Input Format Format for Custom Testing

Input from stdin will be processed as follows and passed to the function.

The first and only line contains the string, *sentence*, that will be passed to the function.

▼ Sample Case 0

Sample Input

STDIN	Function
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aWESOME is cODING	→ sentence = "aWESOME is cODING"

Sample Output

Coding IS Awesome

Explanation

`sentence = "aWESOME is cODING"`

Reverse the word order: "cODING IS aWESOME"

Swap the case: "Coding IS Awesome"

The order of the words is reversed and the case of all letters are swapped.

▼ Sample Case 1

Sample Input

STDIN	Function
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fUn	→ sentence = "fUn"

Sample Output

FuN

Explanation

`sentence = "fUn"`

Reverse the word order: The sentence contains only one word "fUn"

Swap the case of all letters: "FuN"