

Problem 2000: Reverse Prefix of Word

Problem Information

Difficulty: Easy

Acceptance Rate: 86.46%

Paid Only: No

Tags: Two Pointers, String, Stack

Problem Description

Given a **0-indexed** string `word` and a character `ch`, **reverse** the segment of `word` that starts at index `0` and ends at the index of the **first occurrence** of `ch` (**inclusive**). If the character `ch` does not exist in `word`, do nothing.

* For example, if `word = "abcdefd"` and `ch = "d"`, then you should **reverse** the segment that starts at `0` and ends at `3` (**inclusive**). The resulting string will be `"_dcba_efd"`.

Return _the resulting string_.

Example 1:

Input: word = "_abcd_efd", ch = "d" **Output:** "_dcba_efd" **Explanation:** The first occurrence of "d" is at index 3. Reverse the part of word from 0 to 3 (inclusive), the resulting string is "dcbaefd".

Example 2:

Input: word = "_xyxz_ xe", ch = "z" **Output:** "_zxyx_ xe" **Explanation:** The first and only occurrence of "z" is at index 3. Reverse the part of word from 0 to 3 (inclusive), the resulting string is "zxyxxe".

Example 3:

Input: word = "abcd", ch = "z" **Output:** "abcd" **Explanation:** "z" does not exist in word. You should not do any reverse operation, the resulting string is "abcd".

****Constraints:****

* `1 <= word.length <= 250` * `word` consists of lowercase English letters. * `ch` is a lowercase English letter.

Code Snippets

C++:

```
class Solution {  
public:  
    string reversePrefix(string word, char ch) {  
  
    }  
};
```

Java:

```
class Solution {  
    public String reversePrefix(String word, char ch) {  
  
    }  
}
```

Python3:

```
class Solution:  
    def reversePrefix(self, word: str, ch: str) -> str:
```