

# Problem 541: Reverse String II

## Problem Information

**Difficulty:** Easy

**Acceptance Rate:** 52.93%

**Paid Only:** No

**Tags:** Two Pointers, String

## Problem Description

Given a string `s` and an integer `k`, reverse the first `k` characters for every `2k` characters counting from the start of the string.

If there are fewer than `k` characters left, reverse all of them. If there are less than `2k` but greater than or equal to `k` characters, then reverse the first `k` characters and leave the other as original.

**Example 1:**

**Input:** s = "abcdefg", k = 2 **Output:** "bacdfeg"

**Example 2:**

**Input:** s = "abcd", k = 2 **Output:** "bacd"

**Constraints:**

\* `1 <= s.length <= 104` \* `s` consists of only lowercase English letters. \* `1 <= k <= 104`

## Code Snippets

**C++:**

```
class Solution {  
public:
```

```
string reverseStr(string s, int k) {  
    }  
};
```

**Java:**

```
class Solution {  
public String reverseStr(String s, int k) {  
    }  
}
```

**Python3:**

```
class Solution:  
    def reverseStr(self, s: str, k: int) -> str:
```