

Problem 344: Reverse String

Problem Information

Difficulty: Easy

Acceptance Rate: 80.24%

Paid Only: No

Tags: Two Pointers, String

Problem Description

Write a function that reverses a string. The input string is given as an array of characters `s`.

You must do this by modifying the input array [in-place](https://en.wikipedia.org/wiki/In-place_algorithm) with $O(1)$ extra memory.

Example 1:

Input: `s = ["h","e","l","l","o"]` **Output:** `["o","l","l","e","h"]`

Example 2:

Input: `s = ["H","a","n","n","a","h"]` **Output:** `["h","a","n","n","a","H"]`

Constraints:

$1 \leq s.length \leq 10^5$ `s[i]` is a [printable ascii character](https://en.wikipedia.org/wiki/ASCII#Printable_characters).

Code Snippets

C++:

```
class Solution {
public:
    void reverseString(vector<char>& s) {
```

```
}  
};
```

Java:

```
class Solution {  
    public void reverseString(char[] s) {  
  
    }  
}
```

Python3:

```
class Solution:  
    def reverseString(self, s: List[str]) -> None:  
        """  
        Do not return anything, modify s in-place instead.  
        """
```