

# 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](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 <= s.length <= 105` \* `s[i]` is a [printable ascii character]([https://en.wikipedia.org/wiki/ASCII#Printable\\_characters](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.  
        """
```