

Description

Solution

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### 344. Reverse String

Easy

3780

882

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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 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.

Accepted 1,365,393

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Seen this question in a real interview before?

Yes

No

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Java

Autocomplete

```
1 class Solution {
2
3
4     //Dividing the array and solving
5     // public void reverseString(char[] s) {
6     //     int length = s.length;
7
8     //     for(int i = 0; i < length / 2; i++){
9     //         char temp = s[i];
10    //         s[i] = s[length - i - 1];
11    //         s[length - i - 1] = temp;
12    //     }
13    // }
14
15
16    //Two pointer approach
17    public void reverseString(char[] s) {
18
19        int firstPointer = 0;
20        int secondPointer = s.length - 1;
21
22
23        while(firstPointer < secondPointer){
24            char temp = s[firstPointer];
25            s[firstPointer++] = s[secondPointer];
26            s[secondPointer--] = temp;
27        }
28    }
29 }
```

Testcase

Run Code Result

Debugger

Accepted

Runtime: 0 ms

Your input

["h","e","l","l","o"]

Output

["o","l","l","e","h"]

Diff

Expected

["o","l","l","e","h"]