

Dash

Articles

Videos

Problems

<< Prev

Next >>

</> Problem

Editorial

Submissions

Move All Zeros to End

Difficulty: Easy Accuracy: 45.51% Submissions: 247K+ Points: 2

Given an array `arr[]`. Push all the zeros of the given array to the right end of the array while maintaining the order of non-zero elements. Do the mentioned change in the array in place.

Examples:

Input: `arr[] = [1, 2, 0, 4, 3, 0, 5, 0]`**Output:** `[1, 2, 4, 3, 5, 0, 0, 0]`**Explanation:** There are three 0s that are moved to the end.**Input:** `arr[] = [10, 20, 30]`**Output:** `[10, 20, 30]`**Explanation:** No change in array as there are no 0s.**Input:** `arr[] = [0, 0]`**Output:** `[0, 0]`**Explanation:** No change in array as there are all 0s.**Constraints:**

Java (1.8)

Average Time: 15m

Your Time: 7m 11s

```
1 // } Driver Code Ends
29
30
31 // User function template for Java
32
33 class Solution {
34     void pushZerosToEnd(int[] arr) {
35         int nonZeroIndex = 0;
36         for (int i = 0; i < arr.length; i++) {
37             if (arr[i] != 0) {
38                 arr[nonZeroIndex++] = arr[i];
39             }
40         }
41         while (nonZeroIndex < arr.length) {
42             arr[nonZeroIndex++] = 0;
43         }
44     }
45 }
```



Custom Input

Compile & Run

Submit