

Description

Solution

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Java

Autocomplete

189. Rotate Array

Easy

2974

827

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Given an array, rotate the array to the right by k steps, where k is non-negative.

Follow up:

- Try to come up as many solutions as you can, there are at least 3 different ways to solve this problem.
- Could you do it in-place with $O(1)$ extra space?

Example 1:

Input: `nums = [1,2,3,4,5,6,7], k = 3`

Output: `[5,6,7,1,2,3,4]`

Explanation:

rotate 1 steps to the right: `[7,1,2,3,4,5,6]`

rotate 2 steps to the right: `[6,7,1,2,3,4,5]`

rotate 3 steps to the right: `[5,6,7,1,2,3,4]`

Example 2:

Input: `nums = [-1,-100,3,99], k = 2`

Output: `[3,99,-1,-100]`

Explanation:

rotate 1 steps to the right: `[99,-1,-100,3]`

rotate 2 steps to the right: `[3,99,-1,-100]`

Constraints:

- $1 \leq \text{nums.length} \leq 2 \times 10^4$
- It's guaranteed that `nums[i]` fits in a 32 bit-signed integer.
- $k \geq 0$

```
1 class Solution {  
2     public void rotate(int[]  
3  
4     }  
5 }
```

Problems

Pick One

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Next >

Console

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