

189. Rotate Array

Medium

 Topics

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 Hint

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

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 <= nums.length <= 10^5`
- `-2^31 <= nums[i] <= 2^31 - 1`
- `0 <= k <= 10^5`

Follow up:

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

Seen this question in a real interview before? 1/4

Yes No

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 Hint 1

 Hint 2

 Hint 3

 Hint 4

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