

189. Rotate Array

Description

Hints

Submissions

Discuss

Solution

Pick One

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

Example 1:

Input: $[1,2,3,4,5,6,7]$ and $k = 3$

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: $[-1,-100,3,99]$ and $k = 2$

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

Explanation:

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

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

```
public class L189 {  
  
    public void rotate(int[] nums, int k) {  
  
        int i = 0;  
        int tmp;  
        while (i < k) {  
            tmp = nums[nums.length - 1];  
            for(int j = nums.length - 2; j >= 0; j --) {  
                nums[j + 1] = nums[j];  
            }  
            nums[0] = tmp;  
            i ++;  
        }  
    }  
}
```