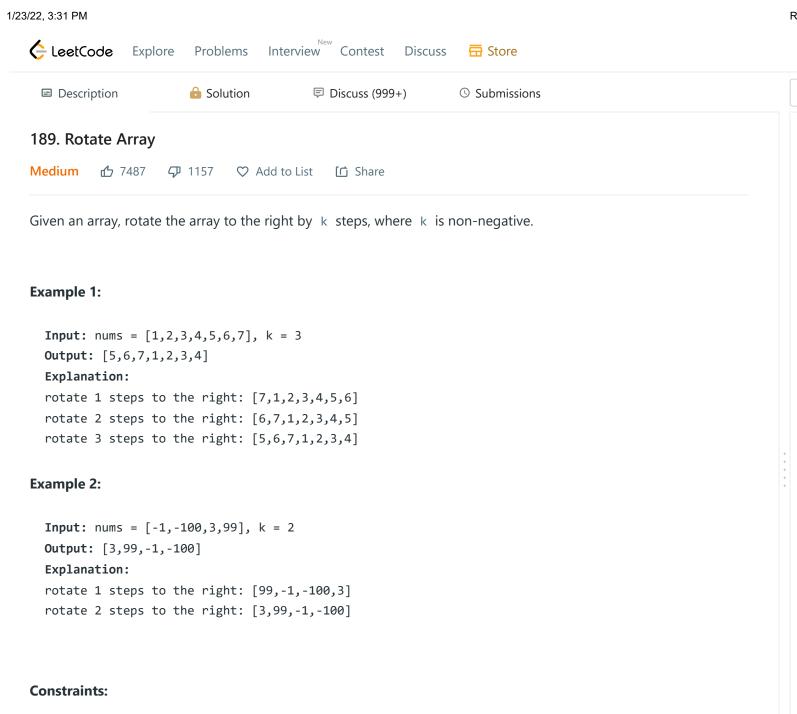
Rotate Array - LeetCode



- 1 <= nums.length <= 10⁵
- $-2^{31} <= nums[i] <= 2^{31} 1$
- $0 <= k <= 10^5$

Follow up:

≡ Problems

• Try to come up with as many solutions as you can. There are at least **three** different ways to solve this problem.

➢ Pick One

☆/355

Next >

Console - Contribute i

< Prev

• Could you do it in-place with 0(1) extra space?

```
i {} 5 ⊕ □
i Java
                   Autocomplete
        //Constant space solution using rotation
   2 ▼
        class Solution {
   3
   4 ▼
            private void reverseArray(int[] array, int startIndex, int endIndex){
   5 ₹
                while(startIndex <= endIndex){</pre>
                    int temp = array[startIndex];
   6
   8
                    array[startIndex++] = array[endIndex];
   9
                    array[endIndex--] = temp;
  10
  11
 12
            public void rotate(int[] nums, int k) {
 13 ▼
 14
 15
                k = k % nums.length;
 16
 17
                reverseArray(nums, 0, nums.length - 1);
 18
 19
                reverseArray(nums, 0, k-1);
 20
                reverseArray(nums, k, nums.length - 1);
 21
 22
 Your previous code was restored from your local storage. Reset to default
```

☆ Premium

Submit

▶ Run Code ^