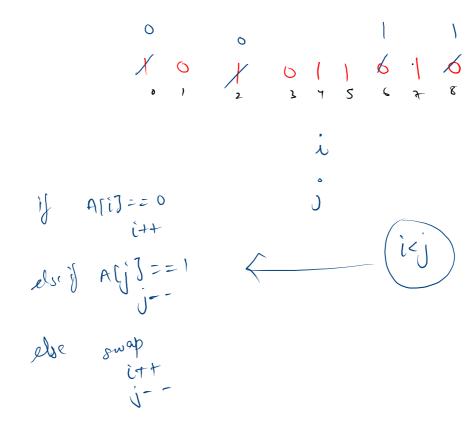
Zeroes and Ones

Sample Input 0



Sample Output 0

0 0 1 1 1 1



```
2 import java.util.*;
4 public class Solution {
       public static void main(String[] args) {
7
           Scanner scn = new Scanner(System.in);
          int n = scn.nextInt();
          int [] A = new int[n];
          for(int i = 0; i < n; i++){
               A[i] = scn.nextInt();
          int i = 0, j = n-1;
14
          //logic
          while(i < j){
               if(A[i] == 0){
                   j++;
               else if(A[j] == 1){
                   j--;
               }else{
                   int tmp = A[i];
                   A[i] = A[j];
                   A[j] = tmp;
                   j++;
                   j--;
               }
```

1 import java.io.*;

5 6

8

9

10

11

12 13

15

16

17

18 19

20

21

22

23

24

25

26

27

28 20

//nrint

Rotate Right

Problem Submissions Leaderboard Discussions

John is an athlete who has been training for a marathon for months. He uses a fitness app to track his progress, which stores his daily running data in an array. However, due to a bug in the app, the data is stored is not in order. To fix this, John needs to **rotate** the array to the **right** by a certain number of steps.

Can you help John by writing a program that rotates the array to the right by \mathbf{k} steps, where \mathbf{k} is a **non-negative** integer?

Sample Input 0

7 1 2 3 4 5 6 7 2

Sample Output 0

6 7 1 2 3 4 5

189. Rotate Array

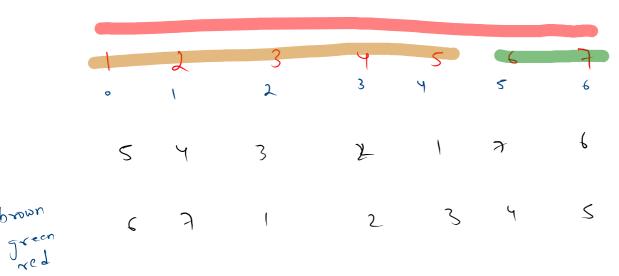
Medium ₺ 17425 🗗 1912 ♡ Add to List 🖸 Share

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

n=7

K=0

$$K = 5$$
 $K = 7$
 $K = 7$
 $K = 7$



propr

SET1234

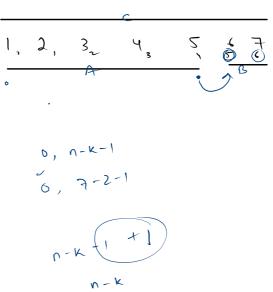
reverse (A,
$$0$$
 ?)

reverse (A, $\frac{1}{n-1}$)

reverse (A, $\frac{1}{n-1}$)

```
K=2
6312345
```

```
class Solution {
          public void reverse(int [] A, int i, int j){
              //reverse in range
              while(i < j){
4 *
 5
                  int tmp = A[i];
                  A[i] = A[j];
7
                  A[j] = tmp;
                  i++;
9
                  j--;
10
11
12
          public void rotate(int[] nums, int k) {
13 *
              int n = nums.length;
14
              k = k \% n;
15
              reverse(nums, 0, n-k-1);
16
17
              reverse(nums, n-k, n-1);
              reverse(nums, 0, n-1);
18
19
20
21
```



7-2=5

Sort 012 -> Dutch Nortisnel Flag Algo. (o, i-1] ⇒ 0 (i,k]

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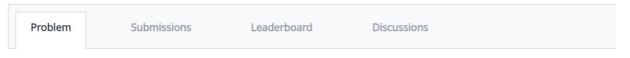
$$\begin{bmatrix}
i, k \\
j \\
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\end{bmatrix} = 2$$

$$\begin{bmatrix}
i, k \\
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\end{bmatrix}$$

A(j) = = 1

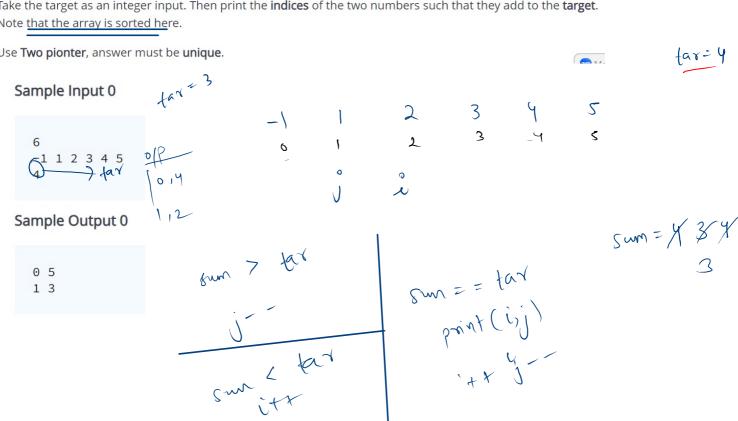
```
2
          public void swap(int [] A, int i, int j){
 3 ▼
 4
              int tmp = A[i];
 5
              A[i] = A[j];
 6
              A[j] = tmp;
 7
8
          public void sortColors(int[] nums) {
9 *
10
               int i = 0;
               int j = 0;
               int k = nums.length-1;
              while(j \le k){
15 ▼
                  if(nums[j] == 0){
16
                       swap(nums, i, j);
17
                       i++;
18
                       j++;
19 -
                  else if(nums[j] == 1){
20
                       j++;
21 *
                  }else{
22
                       swap(nums, j, k);
23
                       k--;
24
25
              }
26
```

Reach Target



Take the target as an integer input. Then print the indices of the two numbers such that they add to the target. Note that the array is sorted here.

Use Two pionter, answer must be unique.



2 -1. 1, 22 33 4,55 3 2 J sum = y .3