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# Left Rotation



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A *left rotation* operation on an array of size n shifts each of the array's elements 1 unit to the left. For example, if 2 left rotations are performed on array [1, 2, 3, 4, 5], then the array would become [3, 4, 5, 1, 2].

Given an array of n integers and a number, d, perform d left rotations on the array. Then print the updated array as a single line of space-separated integers.

#### **Input Format**

The first line contains two space-separated integers denoting the respective values of n (the number of integers) and d (the number of left rotations you must perform).

The second line contains n space-separated integers describing the respective elements of the array's initial state.

#### Constraints

- $1 \le n \le 10^5$
- $1 \le d \le n$
- $1 \le a_i \le 10^6$

#### **Output Format**

Print a single line of n space-separated integers denoting the final state of the array after performing d left rotations.

### Sample Input

5 4 1 2 3 4 5

## Sample Output

5 1 2 3 4

#### Explanation

When we perform d = 4 left rotations, the array undergoes the following sequence of changes:

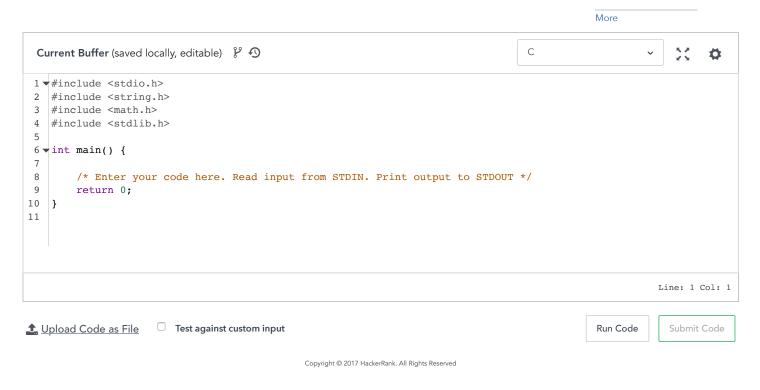
$$[1,2,3,4,5] \rightarrow [2,3,4,5,1] \rightarrow [3,4,5,1,2] \rightarrow [4,5,1,2,3] \rightarrow [5,1,2,3,4]$$

Thus, we print the array's final state as a single line of space-separated values, which is 5 1 2 3 4.

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Submissions: 30758 Max Score: 20 Difficulty: Easy

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