



Left Rotation ☆

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Problem

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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

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

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.

Go



```
1 package main
2
3 import (
4     "bufio"
5     "fmt"
6     "io"
7     "os"
8     "strconv"
9     "strings"
10 )
11
12
13
14 func main() {
15     reader := bufio.NewReaderSize(os.Stdin, 1024 * 1024)
16
17     nd := strings.Split(readLine(reader), " ")
18
19     nTemp, err := strconv.ParseInt(nd[0], 10, 64)
20     checkError(err)
21     n := int32(nTemp)
22
23     dTemp, err := strconv.ParseInt(nd[1], 10, 64)
24     checkError(err)
25     d := int32(dTemp)
26
27     aTemp := strings.Split(readLine(reader), " ")
28
29     var a []int32
```

Line: 1 Col: 1

Upload Code as File ☐ Test against custom input

Run Code

Submit Code

Congratulations

You solved this challenge. Would you like to challenge your friends?



Next Challenge



Test case 0 ✓**Test case 1** ✓**Test case 2** ✓**Test case 3** ✓**Test case 4** ✓**Test case 5** ✓**Test case 6** ✓

Compiler Message

Success

Input (stdin)

5 4
1 2 3 4 5

Expected Output

5 1 2 3 4[Download](#)[Download](#)

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