SOLVE

ANALYTICS



All Tracks > Data Structures > Arrays > 1-D > Problem

Monk and Rotation

Attempted by: 16566 / Accuracy: 90% / Maximum Score: 20 / ★★★☆ 231 Votes

Tag(s): Data Structures, Easy, One-dimensional

PROBLEM EDITORIAL MY SUBMISSIONS

Monk loves to preform different operations on arrays, and so being the principal of Hackerearth School, he assigned a task to his new student Mishki. Mishki will be provided with an integer array A of size N and an integer K, where she needs to rotate the array in the right direction by K steps and then print the resultant array. As she is new to the school, please help her to complete the task.

Input:

The first line will consists of one integer ${\cal T}$ denoting the number of test cases.

For each test case:

- 1) The first line consists of two integers N and K, N being the number of elements in the array and K denotes the number of steps of rotation.
- 2) The next line consists of N space separated integers , denoting the elements of the array A.

Output:

Print the required array.

Constraints:

- $1 \le T \le 20$
- $1 \le N \le 10^5$
- $0 \le K \le 10^6$
- $0 \le A[i] \le 10^6$

SAMPLE INPUT	% @	SAMPLE OUTPUT	% 🖆
1 5 2 1 2 3 4 5		4 5 1 2 3	

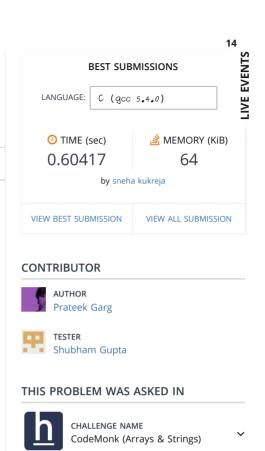
Explanation

Here *T* is 1, which means one test case.

N=5 denoting the number of elements in the array and K=2, denoting the number of steps of rotations.

The initial array is: 1, 2, 3, 4, 5

In first rotation, 5 will come in the first position and all other elements will move to one position ahead from their current position. Now, the resultant array will be $\mathbf{5}, \mathbf{1}, \mathbf{2}, \mathbf{3}, \mathbf{4}$ In second rotation, 4 will come in the first position and all other elements will move to one position ahead from their current



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SOCIAL SHARE

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Γime Limit:	1.0 sec(s) for each input file.
Memory Limit:	256 MB
Source Limit:	1024 KB
Marking Scheme:	Marks are awarded when all the testcases pass.
Allowed Languages:	Bash, C, C++, C++14, Clojure, C#, D, Erlang, F#, Go, Groovy, Haskell, Java, Java 8, JavaScript(Rhino), JavaScript(Node.js), Julia, Kotlin, Lisp, Lisp (SBCL), Lua, Objective-C, OCaml, Octave, Pascal, Perl, PHP, Python, Python 3, R(RScript), Racket, Ruby, Rust, Scala, Swift,
	Swift-4.1, TypeScript, Visual Basic

14 IVE EVENTS

CODE EDITOR

```
Enter your code or Upload your code as file.
                                                       Save
                                C++14 (g++ 5.4.0)
     // 05 Monk and Rotation
 1
 2
     #include<iostream>
 3
     #include <bits/stdc++.h>
 4
 5
     using namespace std;
 6
     int main(){
 7
          //ios_base::sync_with_stdio(false);
 8
          //cin.tie(NULL);
 9
10
          int testCases;
11
12
          cin>>testCases;
13
           for(int t=0;t<testCases;t++){</pre>
14
               long int n,k;
               cin>>n>>k;
15
               long int arr[n];
16
               for(long int i=0; i< n; i++){
17
                    cin>>arr[i];
18
               }
19
20
21
               // Taking array values to be shifted in temp
22
23
               int temp[k];
               int j=0;
24
               for(int i=n-k;i<n;i++){</pre>
25
26
                    temp[j] = arr[i];
                                                  1:1 vscode
■ Provide custom input
  COMPILE & TEST
                       SUBMIT
```

Section Control of Con

Your Rating:

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Attempted By: 21871 / Accuracy: 25

Micro And Array Update

Attempted By: **31359** / Accuracy: **72**

Pairs Having Similar El...

Attempted By: 2574 / Accuracy: 29

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