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

14

● Monk and Rotation

Attempted by: **16566** / Accuracy: **90%** / Maximum Score: **20** /
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SOLVE
LATER

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

PROBLEM   EDITORIAL   MY SUBMISSIONS   ANALYTICS

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 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 $5, 1, 2, 3, 4$
In second rotation, 4 will come in the first position and all other elements will move to one position ahead from their current

BEST SUBMISSIONS

LANGUAGE: C (gcc 5.4.0)

⏱ TIME (sec)   📊 MEMORY (KiB)
0.60417   **64**

by sneha kukreja

VIEW BEST SUBMISSION   VIEW ALL SUBMISSION

CONTRIBUTOR

AUTHOR
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TESTER
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THIS PROBLEM WAS ASKED IN

h   CHALLENGE NAME
CodeMonk (Arrays & Strings) ⌄

SOCIAL SHARE

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position. Now, the resultant array will be $4, 5, 1, 2, 3$

Time 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

CODE EDITOR

Enter your code or Upload your code as file.

Save   C++14 (g++ 5.4.0)

```
1    // 05 Monk and Rotation
2    #include<iostream>
3    #include <bits/stdc++.h>
4
5    using namespace std;
6
7    int main(){
8        //ios_base::sync_with_stdio(false);
9        //cin.tie(NULL);
10
11       int testCases;
12       cin>>testCases;
13       for(int t=0;t<testCases;t++){
14           long int n,k;
15           cin>>n>>k;
16           long int arr[n];
17           for(long int i=0;i<n;i++){
18               cin>>arr[i];
19           }
20
21           /*
22           // Taking array values to be shifted in temp
23           int temp[k];
24           int j=0;
25           for(int i=n-k;i<n;i++){
26               temp[j] = arr[i];
```

1:1 vscode

▼ Provide custom input

COMPILE & TEST   **SUBMIT**

Your Rating: ★★★★★

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