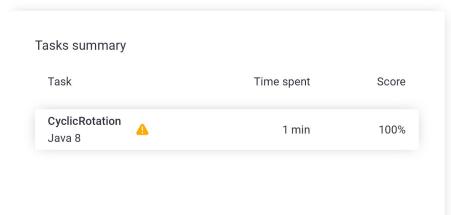
Codility_

CodeCheck Report: trainingTM43ZX-KPP

Test Name:

Summary Timeline

Check out Codility training tasks





Tasks Details

1. CyclicRotation

Easy

Rotate an array to the right by a given number of steps.

Correctness

100%

Performance

100% Not assessed

Task description

An array A consisting of N integers is given. Rotation of the array means that each element is shifted right by one index, and the last element of the array is moved to the first place. For example, the rotation of array A = [3, 8, 9, 7, 6] is [6, 3, 8, 9, 7] (elements are shifted right by one index and 6 is moved to the first place).

The goal is to rotate array A K times; that is, each element of A will be shifted to the right K times.

Write a function:

that, given an array A consisting of N integers and an integer K, returns the array A rotated K times.

For example, given

$$A = [3, 8, 9, 7, 6]$$

 $K = 3$

Solution

Programming language used: Java 8

Total time used: 1 minutes 3

Effective time used: 1 minutes 3

Notes: not defined yet

Task timeline 3

19:51:02 19:51:23

Code: 19:51:23 UTC, java, show code in pop-up

1 of 3

output[newInde:

the function should return [9, 7, 6, 3, 8]. Three rotations were made:

```
[3, 8, 9, 7, 6] -> [6, 3, 8, 9, 7]
[6, 3, 8, 9, 7] -> [7, 6, 3, 8, 9]
[7, 6, 3, 8, 9] -> [9, 7, 6, 3, 8]
```

For another example, given

```
A = [0, 0, 0]

K = 1
```

the function should return [0, 0, 0]

Given

```
A = [1, 2, 3, 4]

K = 4
```

the function should return [1, 2, 3, 4]

Assume that:

- N and K are integers within the range [0..100];
- each element of array A is an integer within the range [-1,000..1,000].

In your solution, focus on **correctness**. The performance of your solution will not be the focus of the assessment.

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```
// you can also use imports, for example:
 2
    // import java.util.*;
3
4
    // you can write to stdout for debugging purpo:
    // System.out.println("this is a debug message'
 5
 6
    class Solution {
8
       public int[] solution(int[] A, int K) {
9
            // write your code in Java SE 8
10
11
            int totalElements = A.length;
                     int[] output = A.clone();
12
                     int startIndex=0;
13
14
15
                     if(totalElements>0) {
                             while (K>=totalElement:
16
17
                                     K=K-totalElemer
18
19
20
                             for (int i = 0; i < tot
21
22
                                     int newIndex =
23
24
                                     if (newIndex>=to
25
26
                                             newInde
27
                                             startI
28
```

return output;

Analysis summary

}

final, score: 100

The solution obtained perfect score.

Analysis

29

30

31

32

33

34 }

expand all	Example tests
example first example test	√ OK
example2 second example te	✓ OK
example3 third example test	√ OK
expand all	Correctness tests
extreme_empty empty array	√ OK
► single one element, 0 <= I	✓ OK
► double two elements, K <=	√ OK N
► small1 small functional te	✓ OK sts, K < N
► small2	√ OK

2 of 3 17/09/2022, 21:57

small functional tests, K >= N		
•	small_random_all_rotations small random sequence, all rotations, N = 15	√ OK
>	medium_random medium random sequence, N = 100	√ OK
•	maximal maximal N and K	√ OK

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