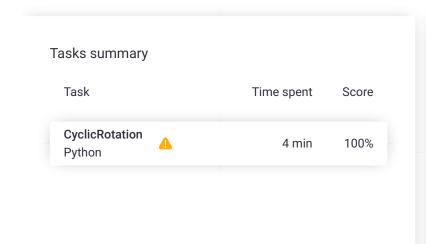
Codility_

CodeCheck Report: trainingNXA4XT-7M3

Test Name:

Check out Codility training tasks

Summary Timeline



Task Score



Tasks Details

1. CyclicRotation

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

100%

Performance

100% Not assessed

Task description

Solution

Programming language used: Python

Total time used: 4 minutes

Effective time used: 4 minutes

Notes: not defined yet

Task timeline

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Test results - Codility

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:

```
def solution(A, K)
```

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

For example, given

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

 $K = 3$

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

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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07:42:07 07:45:54

```
Code: 07:45:53 UTC, py,
                            show code in pop-up
final, score: 100
     # you can write to stdout for debugging
 2
     # print("this is a debug message")
 3
 4
    def solution(A, K):
 5
         # Implement your solution here
 6
         # pass
 7
         length\_array = len(A)
 8
 9
         if length_array == 0:
10
              return A
11
12
         K = K % length_array
13
         A[:] = A[length\_array - K:] + A[:leneral]
14
15
         return A
```

Analysis summary

The solution obtained perfect score.

Analysis

expand all Example		Example test	ts	
>	example first example test		•	ОК
>	example2 second example tes	t	•	OK
•	example3 third example test		•	OK
expand all Correctness tests				
•	extreme_empty empty array		•	OK
>	single one element, 0 <= K	<= 5	•	OK
>	double two elements, K <= N	N	•	OK
>	small1 small functional test	ts, K < N	•	ОК
•	small2 small functional test	ts, K >= N	•	ОК
•	small_random_a small random seque rotations, N = 15		✓	ОК
>	medium_randon medium random sec 100		~	OK
>	maximal maximal N and K		•	ОК

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