

Candidate Report: trainingQ9B87Z-EEZ

[Check out Codility training tasks](#)

Test Name:

SummaryTimeline

Tasks summary

Task	Time spent	Score
CyclicRotation Java 8	1 min	100%

Total score

100%

?

Identity verification
Add another layer of security with Identity Verification, [learn more](#).

Tasks Details

Easy	1. CyclicRotation	Task Score	Correctness	Performance
	Rotate an array to the right by a given number of steps.			
		100%	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:

```
class Solution { public int[] solution(int[] A, int 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:

```
[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]
```

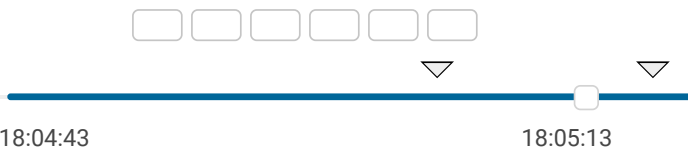
For another example, given

```
A = [0, 0, 0]
K = 1
```

Solution

Programming language used:	Java 8
Total time used:	1 minutes?
Effective time used:	1 minutes?
Notes:	not defined yet

Task timeline



Code: 18:05:12 UTC, java, final, score: 100

show code in pop-up

```
1 // you can also use imports, for example:
2 // import java.util.*;
3
4 // you can write to stdout for debugging purposes,
5 // System.out.println("this is a debug message");
6
7 class Solution {
8     public int[] solution(int[] A, int K) {
9         int l=A.length;
```

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.

Copyright 2009–2021 by Codility Limited. All Rights Reserved. Unauthorized copying, publication or disclosure prohibited.

```
10         int[] B=new int[1];
11
12         for(int i=0;i<K;i++){
13             for(int j=0;j<1;j++){
14                 if(j==1-1){
15                     B[0]=A[j];
16                 }
17                 else{
18                     B[j+1]=A[j];
19                 }
20             }
21         }
22         for(int n=0;n<1;n++){
23             A[n]=B[n];
24         }
25     }
26     return A;
27     // write your code in Java SE 8
28 }
29 }
```

Analysis summary

The solution obtained perfect score.

Analysis

expand all	Example tests
▶ example first example test	✓ OK
▶ example2 second example test	✓ 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	✓ OK
▶ small1 small functional tests, K < N	✓ OK
▶ small2 small functional tests, K >= N	✓ OK
▶ 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

The PDF version of this report that may be downloaded on top of this site may contain sensitive data including personal information. For security purposes, we recommend you remove it from your system once reviewed.