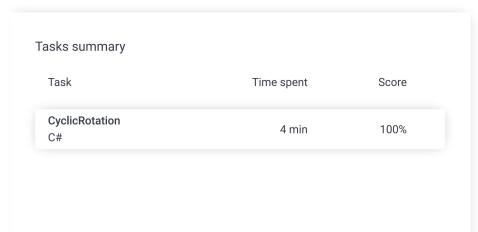
# Codility\_

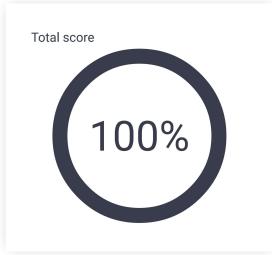
## Candidate Report: trainingP9PQ5B-N5H

Check out Codility training tasks

Test Name:

Feedback Summary Timeline





Performance

Not assessed

### **Tasks Details**

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

#### 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:

 $[7, 6, 3, 8, 9] \rightarrow [9, 7, 6, 3, 8]$ 

#### Solution

Programming language used: C# Total time used: 4 minutes Effective time used: 4 minutes not defined yet Notes:

#### Task timeline

 $\nabla$  $\nabla$  $\bigvee$ 17:17:16 17:20:23 Code: 17:20:23 UTC, cs, final, show code in pop-up

score: 100

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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```
using System;
     using System.Collections.Generic;
 2
 3
     using System.Text;
 4
 5
         public class Solution
 6
 7
 8
              int[] Shift(int[] array)
 9
                  if (array == null || array.Length <= 1)</pre>
10
11
                      return array;
12
                  var nFirst = array[array.Length-1];
                  List<int> lst = new List<int>();
13
14
                  lst.Add(nFirst);
15
                  for (int i= 0; i < array.Length-1; i++)</pre>
16
                      lst.Add(array[i]);
17
18
19
                  }
20
                  return lst.ToArray();
21
              }
22
23
              public int[] solution(int[] A, int K)
24
25
                  int len = A.Length;
26
                  for (int i = 0; i < K; i++)</pre>
27
28
                      A = Shift(A);
29
30
                  return A;
31
              }
         }
32
33
```

## Analysis summary

The solution obtained perfect score.

## Analysis 2

expar	nd all	Example tests
•	example first example test	√ OK
•	example2 second example test	√ OK
•	example3 third example test	√ OK
expand all Correctness tes		rrectness tests
•	extreme_empty empty array	√ OK
•	single one element, 0 <= K <= 5	√ OK
•	double two elements, K <= N	√ OK
•	small1 small functional tests, K <	√ OK
•	small2 small functional tests, K >	√ OK
•	small_random_all_ro	
•	medium_random medium random sequenc	✓ <b>OK</b> J = 100

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