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**71:11:34** Finish test

Learn how your code will be evaluated (https://helpcenter.mymapit.in/?ht\_kb=things-to-know-before-attempting-the-test)

Utility codes for quick start (https://helpcenter.mymapit.in/?page\_id=871)

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## Section - 1

Question No. 2 of 36 | 50 Marks

## **Check Array Rotation**

You have been given an integer array (ARR) of size N. It has been sorted (in increasing order) and then rotated by some number 'K' in the right-hand direction.

Your task is to write a function that returns the value of 'K', which means, the index from which the array/list has been rotated.

## Input format:

The first line contains an integer 'N' representing the size of the array/list.

The second line contains 'N' single space-separated integers representing the elements in the array.

## **Output Format:**

Print the value of 'K' or the index from which the array has been rotated.

```
C (gcc 4.8.3) 🗸
                                                                    Compile & Run
     #include<stdio.h>
     #include<limits.h>
     int main(){
         // input
         int n;
         scanf("%d",&n);
9
         int arr[n];
10
         int i;
11
         for(i=0 ; i < n; i++)
             scanf("%d",&arr[i]);
12
13
14
         // calcultion :-
15
         // find the min elements index in the array and that is our ans
16
         int minEle = arr[0]; // initially
17
         int minEleIndex = 0;
18
19
         for(i=0; i < n; i++){
20
             if(arr[i] < minEle){</pre>
21
                 minEle = arr[i];
22
                  minEleIndex = i;
23
24
         }
25
26
         // output
27
         printf("%d",minEleIndex);
28
```

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