

## E - (GFG) Cyclically rotate an array by one

Given an array, rotate the array by one position in clock-wise direction.

### Example 1:

Input:

N = 5

A[] = {1, 2, 3, 4, 5}Output:

5 1 2 3 4

### Example 2:

Input:

N = 8

A[] = {9, 8, 7, 6, 4, 2, 1, 3}Output:

3 9 8 7 6 4 2 1

### Your Task:

You don't need to read input or print anything. Your task is to complete the function rotate() which takes the array A[] and its size N as inputs and modify the array in place.

**Expected Time Complexity:**  $O(N)$

**Expected Auxiliary Space:**  $O(1)$

### Constraints:

$1 \leq N \leq 105$

$0 \leq a[i] \leq 105$

### Solution :

```
class Compute {  
  
    public void rotate(int arr[], int n)  
    {  
        int upperBound=arr.length-1;  
        int lastElement=arr[upperBound];  
        while(upperBound!=0){  
            arr[upperBound]=arr[upperBound-1];  
            upperBound--;  
        }  
        arr[0]=lastElement;  
    }  
}
```