

Assignment 7



Q2. (Given an	array,	rotate	the	array b	one /	position	in	clock-wise	direction.
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Input:

N = 5

 $A[] = \{1, 2, 3, 4, 5\}$

Output:

51234

Example 2:

Input:

N = 8

 $A[] = \{9, 8, 7, 6, 4, 2, 1, 3\}$

Output:

39876421



Q3. Implement next permutation,	which rearranges numbers in	ito the lexicographically next
greater permutation of numbers.		

If such an arrangement is not possible, it must rearrange it as the lowest possible order (i.e., sorted in ascending order).

The replacement must be in place and use only constant extra memory.

Example 1:

Input: nums = [1,2,3]

Output: [1,3,2]

Example 2:

Input: nums = [3,2,1]

Output: [1,2,3]



Q4. Given two arrays a[] and b[] of size n and n respectively. The task is to find union between these two arrays.

Union of the two arrays can be defined as the set containing distinct elements from both the arrays. If there are repetitions, then only one occurrence of element should be printed in union.

Example 1:
Input:
5 3
12345
123
Output:
5
Explanation:
1, 2, 3, 4 and 5 are the
elements which comes in the union set
of both arrays. So count is 5.
Example 2:
Input:
6 2
85 25 1 32 54 6
85 2
Output:

7