**ARRAY ROTATION:**

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| --- |
| package vandana.projects.com; |
|  |  |
|  | public class ArrayRotation { |
|  |  |
|  | public static void main(String[] args) { |
|  | RotateArray r = new RotateArray(); |
|  | int arr[] = { 1, 2, 3, 4, 5, 6, 7 }; |
|  | r.rotate(arr, 5); |
|  | for(int i=0;i<arr.length;i++){ |
|  | System.out.print(arr[i]+" "); |
|  | } |
|  |  |
|  | } |
|  |  |
|  | } |
|  |  |
|  | class RotateArray { |
|  | public void rotate(int[] nums, int k) { |
|  | if(k > nums.length) |
|  | k=k%nums.length; |
|  | int[] result = new int[nums.length]; |
|  | for(int i=0; i < k; i++){ |
|  | result[i] = nums[nums.length-k+i]; |
|  | } |
|  | int j=0; |
|  | for(int i=k; i<nums.length; i++){ |
|  | result[i] = nums[j]; |
|  | j++; |
|  | } |
|  | System.arraycopy( result, 0, nums, 0, nums.length ); |
|  | } |
|  | } |