

1. Write a program in Java to right rotate an array by 5 steps

```
package OnlinePractice3;

import java.util.*;

class RightRotate {

    public static void main(String[] args) {

        Scanner sc = new Scanner(System.in);

        System.out.print("Enter size of array element : ");

        int num=sc.nextInt();

        int arr[] = new int[num];

        System.out.println("Enter element : ");

        for(int i =0; i<arr.length; ++i) {

            arr[i]=sc.nextInt();

        }

        System.out.print("Enter a number of times an array  
should be rotated : ");

        int n = sc.nextInt();

        System.out.println("Original array: ");

        for (int i = 0; i < arr.length; i++) {

            System.out.print(arr[i] + " ");

        }

        for(int i = 0; i < n; i++){

            int j, last;

            last = arr[arr.length-1];

            for(j = arr.length-1; j > 0; j--){
```

```

        arr[j] = arr[j-1];
    }
    arr[0] = last;
}

System.out.println();

System.out.println("Array after right rotation: ");

for(int i = 0; i< arr.length; i++){
    System.out.print(arr[i] + " ");
}
}

```

output-

Enter size of array element : 5

Enter element :

11

23

56

89

88

Enter a number of times an array should be rotated : 3

Original array:

11 23 56 89 88

Array after right rotation:

56 89 88 11 23