

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

```
public class RightRotateArray {  
    public static void main(String[] args) {  
        int[] array = {1, 2, 3, 4, 5, 6, 7, 8, 9, 10};  
        int steps = 5;  
  
        System.out.println("Original Array:");  
        printArray(array);  
  
        rotateArray(array, steps);  
  
        System.out.println("Right Rotated Array:");  
        printArray(array);  
    }  
  
    public static void rotateArray(int[] array, int steps) {  
        int length = array.length;  
        int[] temp = new int[length];  
  
        // Copy the elements to temporary array  
        for (int i = 0; i < length; i++) {  
            temp[i] = array[i];  
        }  
  
        // Perform rotation  
        for (int i = 0; i < length; i++) {  
            array[(i + steps) % length] = temp[i];  
        }  
    }  
}
```

```
public static void printArray(int[] array) {  
    for (int num : array) {  
        System.out.print(num + " ");  
    }  
    System.out.println();  
}  
}
```

OUTPUT:

Original Array:

1 2 3 4 5 6 7 8 9 10

Right Rotated Array:

6 7 8 9 10 1 2 3 4 5