

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

```
package Practice;

import java.util.Arrays;

public class RotateArray {

    public static void main(String[] args) {
        int[] arr = {2,17,6,9,12,24};

        int k = 5;

        System.out.println("ORIGINAL ARRAY : "+ Arrays.toString(arr));

        int[] resultArray = rotateArrayByKPosition(arr, k);

        System.out.println("ROTATED ARRAY : "+
Arrays.toString(resultArray));
    }

    private static int[] rotateArrayByKPosition(int[] arr, int k) {
        int n = arr.length;

        if(k > n)
            k = k % n;

        // initilalise the result array
        int[] result = new int[arr.length];

        for (int i=0; i < k; i++)
            result[i]= arr[n-k+i];

        //System.out.println(Arrays.toString(result));

        int j=0;
        for(int i=k ; i<n; i++)
            result[i]= arr[j++];

        return result;

        //System.out.println(Arrays.toString(result));

    }

}
```

OUTPUT

```
<terminated> RotateArray [java Application] C:\Users\randy\A
ORIGINAL ARRAY : [2, 17, 6, 9, 12, 24]
ROTATED ARRAY : [17, 6, 9, 12, 24, 2]
```