

Java Program to left rotate the elements of an array

```
Package monday;
import java.util.Scanner;
public class RotateLeft {
    public static void main(String[] args) {
        int p;
        Scanner s = new Scanner(System.in);
        System.out.print("Enter no. of elements you want in array:");
        p = s.nextInt();
        int arr[] = new int[p];
        System.out.println("Enter all the elements:");
        for(int i = 0; i<p; i++)
        {
            arr[i] = s.nextInt();
        }
        System.out.println("Original array: ");
        for (int i = 0; i<arr.length; i++) {
            System.out.print(arr[i] + " ");
        }
        System.out.println("\nenter the number to rotate number of times left");
        int n=s.nextInt();
        for(int i = 0; i<n; i++){
            int j, first;
            first = arr[0];
            for(j = 0; j<arr.length-1; j++){
                arr[j] = arr[j+1];
            }
            arr[j] = first;
        }
        System.out.println();
        //Displays resulting array after rotation
        System.out.println("Array after left rotation: ");
        for(int j = 0; j<arr.length; j++){
            System.out.print(arr[j] + " ");
        }
    }
}
```

**OUTPUT:**

```
Console
<terminated> RotateLeft [Java Application] C:\Program Files\Java\jre1.8.0
Enter no. of elements you want in array:10
Enter all the elements:
2 1 5 4 7 8 9 6 3 0
Original array:
2 1 5 4 7 8 9 6 3 0
enter the number to rotate number of times left
5
Array after left rotation:
8 9 6 3 0 2 1 5 4 7
```