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) {

//Initialize array

**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();

}

//Displays original array

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();

//Rotate the given array by n times toward left

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

**int** j, first;

//Stores the first element of the array

first = arr[0];

**for**(j = 0; j < arr.length-1; j++){

//Shift element of array by one

arr[j] = arr[j+1];

}

//First element of array will be added to the end

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:**

