public class RightRotateArray {

public static void main(String[] args) {

int[] arr = {1, 2, 3, 4, 5, 6, 7, 8, 9, 10};

int steps = 5;

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

printArray(arr);

rightRotateArray(arr, steps);

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

printArray(arr);

}

public static void rightRotateArray(int[] arr, int steps) {

int length = arr.length;

steps = steps % length; // Adjust steps if it's larger than array length

reverseArray(arr, 0, length - 1); // Reverse the entire array

reverseArray(arr, 0, steps - 1); // Reverse the first 'steps' elements

reverseArray(arr, steps, length - 1); // Reverse the remaining elements

}

public static void reverseArray(int[] arr, int start, int end) {

while (start < end) {

int temp = arr[start];

arr[start] = arr[end];

arr[end] = temp;

start++;

end--;

}

}

public static void printArray(int[] arr) {

for (int num : arr) {

System.out.print(num + " ");

}

System.out.println();

}

}