//ASSIGNMENT 3

//1.

**package** psr;

**import** java.util.Scanner;

**public** **class** homework {

**public** **static** **void** main(String[] args) {

Scanner sc = **new** Scanner(System.***in***);

**int** n = sc.nextInt();

**int**[] arr = **new** **int**[n];

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

arr[i] = sc.nextInt();

}

**int** x = sc.nextInt();

**int** index = -1;

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

**if** (arr[i] == x) {

index = i;

**break**;

}

}

**if** (index != -1) {

System.***out***.println(index);

} **else** {

System.***out***.println("Not found");

}

}

}

//2.

package psr;

import java.util.Scanner;

import java.util.HashSet;

public class homework {

public static void main(String[] args) {

Scanner sc = new Scanner(System.in);

int n = sc.nextInt();

int[] arr = new int[n];

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

arr[i] = sc.nextInt();

}

HashSet<Integer> seen = new HashSet<>();

HashSet<Integer> duplicates = new HashSet<>();

for (int num : arr) {

if (!seen.add(num)) {

duplicates.add(num);

}

}

if (duplicates.isEmpty()) {

System.out.println("No duplicates");

} else {

for (int dup : duplicates) {

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

}

System.out.println();

}

}

}

//3.

package psr;

import java.util.Scanner;

public class homework {

public static void main(String[] args) {

Scanner sc = new Scanner(System.in);

int n = sc.nextInt();

int[] arr = new int[n];

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

arr[i] = sc.nextInt();

}

int k = sc.nextInt();

k = k % n;

for (int i = k; i < n; i++) {

System.out.print(arr[i] + " ");

}

for (int i = 0; i < k; i++) {

System.out.print(arr[i] + " ");

}

System.out.println();

}

}