**Same or not**

The Modern World Cinderella was happy to meet Prince Charming at the ballroom and she danced with him happily. While she was dancing, Prince wanted to check whether Cinderella is a perfect match for him. He asked her a question to check her knowledge of Arrays. Can you help Cinderella to write a program to find whether the two arrays are the same or not?

**Input Format**

Input consists of 2 integers and 2 arrays. The integers should correspond to the size of the arrays.

**Output Format**

If two arrays are the same, display "Same" else display "Not Same"

**Sample Input 0**

4

4

1

2

3

4

1

2

3

4

**Sample Output 0**

**Same**

**//SOURCE CODE**

import java.io.\*;

import java.util.\*;

public class Solution {

public static void main(String[] args) {

Scanner sc=new Scanner (System.in);

int n1=sc.nextInt();

int n2=sc.nextInt();

int sum1=0,sum2=0;

int arr1[]=new int[n1];

int arr2[]=new int[n2];

for(int i=0;i<n1;i++){

arr1[i]=sc.nextInt();

sum1+=arr1[i];

}

for(int i=0;i<n2;i++){

arr2[i]=sc.nextInt();

sum2+=arr2[i];

}

if(n1==n2){

if(sum1==sum2){

System.out.println("Same");

}

else{

System.out.println("Not Same");

}

}

else{

System.out.println("Not Same");

}

}

}

## Ascending order

Kailash and his daughter Keerthana were arguing about who is the smartest person in the family. Kailash who is a world-known Computer Engineer asked Keerthana who has not yet completed college to write a program to sort the given array in ascending order. Can you help Keerthana?

**Input Format**

Input consists of 1 integer and 1 array. The integer corresponds to the size of the array.

**Output Format**

The output consists of an array of elements after sorting.

**Sample Input 0**

5

54

68

25

14

74

**Sample Output 0**

The Sorted array is:

14

25

54

68

74

**//SORCE CODE**

**import java.io.\*;**

**import java.util.\*;**

**public class Solution {**

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

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

**int n1=sc.nextInt();**

**int arr1[]=new int[n1];**

**for(int i=0;i<n1;i++)**

**{**

**arr1[i]=sc.nextInt();**

**}**

**System.out.println("The Sorted array is:");**

**Arrays.sort(arr1);**

**for(int i=0;i<n1;i++)**

**{**

**System.out.println(arr1[i]);**

**}**

**}**

**}**

## Remove duplicate elements

Jack and John were investigating a murder and the murderer was Ms.Isha Adler. She wanted Jack to find her by solving the puzzles. Jack was able to solve all but one. The last task was to write a program to remove duplicate elements from an array. Can you help Jack?

**Input Format**

Input consists of 1 integer and 1 array. The first integer corresponds to the size of the array. The next integers correspond to the elements in the array.

**Output Format**

The output consists of an array with no duplicate elements.

**Sample Input 0**

5

1

2

2

3

4

**Sample Output 0**

1

2

3

4

**//SOURCE CODE**

import java.io.\*;

import java.util.\*;

public class Solution {

public static void main(String[] args) {

Scanner sc=new Scanner (System.in);

int a=sc.nextInt();

int arr[]=new int[a];

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

arr[i]=sc.nextInt();

}

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

for (int j=i+1;j<a;j++){

if (arr[i]==arr[j]){

arr[j]=-1;

}

}

}

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

if(arr[i]!=-1){

System.out.println(arr[i]);

}

}

}

}