**Rearrange an array such that arr[i] = i**

Submissions: [1761](https://practice.geeksforgeeks.org/problem_submissions.php?pid=2942)  Accuracy:

48.12%

   Difficulty: [Easy](https://practice.geeksforgeeks.org/Easy/0/0/)   Marks: 2

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Given an array of size N that has elements ranging from 0 to N-1. All elements may not be present in the array. If element is not present then there will be -1 present

in the array. Rearrange the array such that A[i] = i, and if i is not present, display -1 at that place.

**Input:**  
The first line of the input contains a single integer T, denoting the number of test cases. Then T test case follows. Each test case contains 2 lines:-  
The size of the array N  
Elements of the array separated by spaces

**Output:**  
For each testcase, print the modified array.

**Constraints:**  
1<=T<=100  
1<=N<=1000  
0<=A[i]<=N-1

**Example:**

**Input:**  
2  
10  
-1 -1 6 1 9 3 2 -1 4 -1  
20  
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19

**Output:**  
-1 1 2 3 4 -1 6 -1 -1 9  
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19

\*\* For More Input/Output Examples Use ['Expected Output'](https://practice.geeksforgeeks.org/problems/rearrange-an-array-such-that-arri-i/0#ExpectOP) option \*\*

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<https://practice.geeksforgeeks.org/problems/rearrange-an-array-such-that-arri-i/0>

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace ConsoleApp1

{

class Program

{

static void Reorganizar(int[] arr)

{

HashSet<int> hash = new HashSet<int>(arr);

List<int> ans = new List<int>();

for(int i =0; i<arr.Length; i++)

{

if(hash.Contains(i))

{

ans.Add(i);

}

else

{

ans.Add(-1);

}

}

foreach(int item in ans)

{

Console.Write(item + " ");

}

Console.WriteLine();

}

static void Main(string[] args)

{

int t = int.Parse(Console.ReadLine());

while (t-- > 0)

{

int n = int.Parse(Console.ReadLine());

int[] arr= Array.ConvertAll(Console.ReadLine().Trim().Split(' '), e => int.Parse(e));

Reorganizar(arr);

}

Console.ReadLine();

}

}

}