https://course.acciojob.com/idle?question=075ea9e4-98b2-4109-80cb-1cacf65fa325

- EASY
- Max Score: 30 Points
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Value Equal To The Index Value

Ankit and his friend are playing a game in which his friend selects an integer 'N'. He then picks 'N' random numbers and places them in an array/list ‘NUMARRAY’.

He asks Ankit to find all those numbers which are equal to their index values i.e. 'NUMARRAY[i]' = ‘i’ where ‘i’ ranges from `0` to `N - 1`.

Can you help Ankit find all such numbers?

For example:

Let ‘NUMARRAY’ = [-4, -2, 2, 5]. Here, only 'NUMARRAY[2]' = 2. So, our answer is 2.

Note: If there is no such number present in 'NUMARRAY,’ which equals its index value, then return -1.

Input Format

The first line contains a single integer ‘N’.

The next line contains ‘N’ single space-separated integers denoting the numbers in ‘NUMARRAY.’.

Output Format

Print all the numbers which satisfy the given condition in sorted order.

Example 1

Input:

```
4
-4 -2 2 5
```

Output:

```
2
```

Explanation:

For ‘i’ = ‘0’, 'NUMARRAY[0]' = -4 which is not equal to index ‘i’, So we don’t include this number in our answer.

For ‘i’ = ‘1’ 'NUMARRAY[1]' = -2 which is not equal to index ‘i’, So we don’t include this number in our answer.

For ‘i’ = ‘2’ 'NUMARRAY[2]' = 2 which is equal to index ‘i’, So we include this number in our answer.

For ‘i’ = ‘3’ 'NUMARRAY[3]' = 5 which is not equal to index ‘i’, So we don’t include this number in our answer.

Example 2

Input:

```
4
-4 -3 -2 -1
```

Output:

```
-1
```

Explanation:

For ‘i’ = ‘0’ 'NUMARRAY[0]' = -4 which is not equal to index ‘i’, So we don’t include this number in our answer.

For ‘i’ = ‘1’ 'NUMARRAY[1]' = -3 which is not equal to index ‘i’, So we don’t include this number in our answer.

For ‘i’ = ‘2’ 'NUMARRAY[2]' = -2 which is not equal to index ‘i’, So we don’t include this number in our answer.

For ‘i’ = ‘3’ 'NUMARRAY[3]' = -1 which is not equal to index ‘i’, So we don’t include this number in our answer.

In this sample test case, we didn’t find any such index. So we return ‘-1’.

Constraints

```
1 <= ‘N’ <= 100000
-100000 <= ‘NUMARRAY[i]’ <= 100000
```

Topic Tags

- Math

My code

```
// in java
import java.util.*;
import java.lang.*;
import java.io.*;

public class Main
{
	public static void main (String[] args) throws java.lang.Exception
	{
		//your code here
	Scanner s=new Scanner(System.in);
	int c=-1;
```

```
        int n=s.nextInt();
          int arr[]=new int[n];
        for(int i=0;i<n;i++)
          arr[i]=s.nextInt();
         for(int i=0;i<n;i++)
        if(arr[i]==i)
        { System.out.print(i+" ");
          c=1;}
        if(c==-1)
         System.out.print(c);
          }
}
```