https://course.acciojob.com/idle?question=77d9473d-a223-4eae-95ee-e1a1cab2c028

- EASY
- Max Score: 30 Points
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# Immediate Smaller Element

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**Given an integer array `arr` of size `n`. For each element in the array, check whether the right adjacent element (on the next immediate position) of the array is smaller. If next element is smaller, update the current index to that element. If not, then `-1`.**

## Input Format

**line 1: contains an integer `n` denoting size of array.**

**line 2: contains `n` spaced integers denoting elements of array.**

## Output Format

**Print an array of integers denoting the immediate smaller element after the current element.**

## Example 1

Input

```
4
4 2 1 3
```

Output

```
2 1 -1 -1
```

Explanation From left to right, at index 0, arr[1] < arr[0], hence arr[0] = arr[1]. at index 1, arr[2] < arr[1], hence arr[1] = arr[2]. at index 2, arr[3] >= arr[2], hence arr[2] = -1. at index 3, there is no element to its right hence the value of this array element is -1.

## Constraints

**1 <= `n` <= $10^4$**

**1 <= `arr[i]` <= $10^6$**

**Topic Tags**

- **Stacks**

# 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 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-1;i++)
        {  if(arr[i]>arr[i+1])
```

```
        System.out.print(arr[i+1]+" ");
      else     System.out.print("-1 ");}
      System.out.print("-1");

        }
}
```