- **EASY**
- **Max Score: 30 Points**

Array Problem 1

Ruma has given an array `arr` to Sima such that it consists of `n` elements.

Ruma asks Sima to write a program to find out the index of the largest element in present in the array and print the index.

Your task is to help Sima by writing a program.

NOTE: Output should be in zero based indexing. If there are multiple occurences of the largest number, return the smallest index.

Input Format:

Line 1: Contains an integer 'n' indicating number of elements in array.

Line 2: Contains 'n' space-seprated integer indicating elements in the array.

Output Format:

Return an integer such that it is the index of largest element in array.

Example 1

Input

```
5
1 2 3 4 5
```

Output

```
4
```

Explanation

The largest number in the array is 5, Zero-based indexing for 5 would be 4.

Example 2

Input

```
10
1 2 7 4 10 6 5 8 3 9
```

Output

```
4
```

Explanation

The largest number in the array is 10, Zero-based indexing for 10 would be 4.

Constraints

0 <= n <= 10^6
-10^9 <= arr[i] <= 10^9

My code

// in java
import java.util.*;

```java
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();


        int max=arr[0],ans=0;
        for(int i=1;i<n;i++)
            {
              if(arr[i]>max)
              {
                 max=arr[i];
                 ans=i;
              }
            }
        System.out.print(ans);
    }
}
```