

<https://course.acciojob.com/idle?question=9476f87e-82e7-41c2-a60a-5f28e1eaada2>

• EASY

• Max Score: 30 Points

Second Largest

Given an array `arr` of size `N`. Your task is to determine the second largest element in the array. If second largest doesn't exist return `-1`.

Input Format

The first line of input contains a single integer `N`, number of elements.

The second line of input contains `N` space separated integers containing the elements of the array `arr`.

Output Format

Your task is to return the head node after reversing the list.

Example 1

Input

6
12 35 1 10 34 1

Output

34

Explanation

The largest element of the array is 35 and the second largest element is 34.

Example 2

Input

```
4
1 2 3 4
```

Output

```
3
```

Explanation

The second largest element in the array is 3.

Constraints

$1 \leq N \leq 10^5$

$1 \leq \text{arr}[i] \leq 10^6$

Topic Tags

- [Loops](#)
- [Arrays](#)

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();
        Arrays.sort(arr);
        int t=arr[n-1];
        if(n<2)
        {
            System.out.print("-1");
            return;
        }
        int p=n-2;
        while(p>=0)
        {
            if(arr[p]==t)
                p--;
            else
            {
                System.out.print(arr[p]);
                return;
            }
        }
        System.out.print("-1");
    }
}

```