

<https://course.acciojob.com/idle?question=f8c1655e-2045-42af-8808-e351a9cd7f05>

● EASY

● Max Score: 30 Points

●

## 2ndLargestElement

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Given an unsorted array of size  $N$  with distinct elements. Find the 2nd largest element from the array without sorting the array.

### Input Format

The first line contains a single integer  $N$ .

The second line consists of  $N$  integers of the array.

### Output Format

Print the second largest number in the new line.

### Example 1

Input

```
6
3 2 1 5 6 4
```

Output

```
5
```

Explanation

5 is the second largest element of the array.

## Example 2

Input

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

Output

```
9
```

Explanation

9 is the Second largest element in the array

### Constraints:

$2 \leq N \leq 10^5$

$-10^5 \leq N \leq 10^5$

### Topic Tags

- **Arrays**

## My code

```
// n 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);
    System.out.print(arr[n-2]);
}
}
```