https://course.acciojob.com/idle?question=01b4282d-bfae-4beb-9521-88e5b9a131f3

- EASY
- Max Score: 30 Points

Find The Median

The median of a list of numbers is essentially its middle element after sorting. The same number of elements occur after it as before. Given a list of numbers with an odd number of elements, find the median.

Input Format

The first line inputs integer n, size of array a.

The second line inputs n space-seperated integers, i.e., a[i].

Output

In a new line, print the median of the array.

Example 1

Input

```
7
0 1 2 4 6 5 3
```

Output

```
3
```

Explanation The sorted a=[0,1,2,3,4,5,6].

Its middle element is at a[3]=3.

Example 2

Input

```
5
10 12 11 14 -100
```

Output

```
11
```

Explanation The sorted a=[-100,10,11,12,14].

Its middle element is at a[2]=11.

Constraints

1 <= n <= 1000001

n is odd

-10000 <= a[i] <= 10000

Topic Tags

- **Sorting**

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