

<https://course.acciojob.com/idle?question=2e5af1cd-d999-49c6-ba52-cdabb6f9170e>

● EASY

● Max Score: 30 Points

Find the median

Given an array `arr[]` of N integers, calculate the median

Input Format

First line will contain N size of `arr[]` Second line will contain N integers elements of `arr[]`

Output Format

Print a single integer the floor value of median

Example 1

Input:

```
5
90 100 78 89 67
```

Output:

```
89
```

Explanation After sorting the array middle element is the median

Example 2

Input

```
4
56 67 30 79
```

Output:

61

Explanation: In the case of an even number of elements, the average of two middle elements is the median.

Constraints

1 <= Length of Array <= 100

1 <= Elements of Array <= 100

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);
if(n%2==0)
{
    int ans=arr[n/2]+arr[n/2-1];
    System.out.print(ans/2);
}
else
    System.out.print(arr[n/2]);
}
```