

<https://course.acciojob.com/idle?question=5e1e0f68-d850-4fcb-a020-f8ee2ec9ed7b>

● EASY

● Max Score: 30 Points

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## Yash and unique number

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Yash has a sorted array of size  $N$ . This array has every element repeated twice except one number which occurs only one time. Yash want to find this unique number. Can you help him?

Your task is to complete the function `uniqueElement` which receives the input array as parameter and returns the unique number.

## Input Format:

The first line of input contains an integer  $N$  denoting the size of array.

The second line of input contains  $N$  space-separated integers denoting the elements of the array.

## Output Format:

The only line of output will be an integer denoting the unique number of the array.

### Example 1:

Input:

```
5
2 2 4 6 6
```

Output:

```
4
```

Explanation: Given array is [2, 2, 4, 6, 6]. Here, 4 occurs once in the array. So, the answer is 4.

### Example 2:

Input:

```
7
3 3 5 5 6 8 8
```

Output:

```
6
```

Explanation: Given array is [3, 3, 5, 5, 6, 8, 8]. Here, 6 occurs once in the array. So, the answer is 6.

## Constraints:

$1 \leq N \leq 10^5$

$1 \leq \text{arr}[i] \leq 10^9$

where  $\text{arr}[i]$  denotes the  $i$ th element of the array.

### Topic Tags

- **Binary Search**

# 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();
```

```
        for(int i=0;i<n;i+=2)
```

```
            if(arr[i]!=arr[i+1]){ System.out.print(arr[i]); return;}
```

```
            System.out.print(arr[n-1]);
```

```
        }
```

```
}
```

