Single Number

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Given an array of integers, every element appears twice except for one. Find that single one.

Note: Your algorithm should have a linear runtime complexity. Could you implement it without using extra memory?

Input Format:

```
    First and only argument of input contains an integer array A
```

Output Format:

```
    return a single integer denoting single element
```

Constraints:

```
2 <= N <= 2 000 000
0 <= A[i] <= INT_MAX
```

For Examples :

```
Example Input 1:
    A = [1, 2, 2, 3, 1]
Example Output 1:
    3
Explanation:
    3 occurs only once
Example Input 2:
    A = [1, 2, 2]
Example Output 2:
    1
```

See Expected Output

Seen this question in a real interview before Yes No