

Vedhavyas Pavankalyan G L 2023-IT-A**V2****Started on** Sunday, 19 October 2025, 5:51 PM**State** Finished**Completed on** Sunday, 19 October 2025, 5:52 PM**Time taken** 1 min 6 secs**Marks** 1.00/1.00**Grade** **4.00** out of 4.00 (100%)

**Question 1** | Correct Mark 1.00 out of 1.00

Find Duplicate in Array.

Given a read only array of n integers between 1 and n, find one number that repeats.

Input Format:

First Line - Number of elements

n Lines - n Elements

Output Format:

Element x - That is repeated

**For example:**

Input	Result
5	1
1 1 2 3 4	

**Answer:** (penalty regime: 0 %)

```

1 #include <stdio.h>
2
3 int main() {
4     int n;
5     scanf("%d", &n);
6     int a[n];
7     for (int i = 0; i < n; i++)
8         scanf("%d", &a[i]);
9     int sum = 0;
10    for (int i = 0; i < n; i++)
11        sum += a[i];
12    int expected = n * (n - 1) / 2;
13    printf("%d", sum - expected);
14    return 0;
15 }
```

	Input	Expected	Got	
✓	11 10 9 7 6 5 1 2 3 8 4 7	7	7	✓
✓	5 1 2 3 4 4	4	4	✓
✓	5 1 1 2 3 4	1	1	✓

Passed all tests! ✓

Correct

Marks for this submission: 1.00/1.00.

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