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Started on	Thursday, 22 August 2024, 10:07 AM
State	Finished
Completed on	Thursday, 22 August 2024, 10:14 AM
Time taken	6 mins 23 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 2 3 4	1

Answer: (penalty regime: 0 %)

```

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

	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.

[◀ 1-Finding Duplicates-O\(n^2\) Time Complexity,O\(1\) Space Complexity](#)

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[3-Print Intersection of 2 sorted arrays-O\(m*n\)Time Complexity,O\(1\) Space Complexity ▶](#)

