Started on	Thursday, 20 November 2025, 9:03 PM
State	Finished
Completed on	Thursday, 20 November 2025, 9:08 PM
Time taken	5 mins 1 sec
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
3 ▾ int main() {
4       int n;
5       scanf("%d", &n);
6
7       int arr[n], freq[n+1];
8       for (int i = 0; i <= n; i++) freq[i] = 0;
9
10 ▾     for (int i = 0; i < n; i++) {
11           scanf("%d", &arr[i]);
12           freq[arr[i]]++;
13 ▾         if (freq[arr[i]] > 1) {
14               printf("%d", arr[i]);
15               return 0;
16           }
17       }
18       return 0;
19   }
20
```

	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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