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INIYAN V 2024-CSE



Started on	Friday, 31 October 2025, 1:59 PM
State	Finished
Completed on	Friday, 31 October 2025, 2:12 PM
Time taken	12 mins 49 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 # include <stdlib.h>
3
4 int main()
5 {
6     int map[1000]={0};
7     int n;
8     scanf("%d", &n);
9     int num[n];
10    for(int i=0; i<n; i++){
11        scanf("%d", &num[i]);
12        map[num[i]]++;
13        if(map[num[i]]>1){
14            printf("%d", num[i]);
15            break;
16        }
17    }
18 }
```

	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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