RAJALAKSHMI
ENGINEERING
COLLEGE

6 INIYAN V 2024-CSE ∨

Started on	Friday, 31 October 2025, 2:12 PM
State	Finished
Completed on	Friday, 31 October 2025, 2:14 PM
Time taken	2 mins 24 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 %)

```c
1  # include <stdio.h>
2  # include <stdlib.h>
3
4  int main(){
5      int map[1000]={0};
6      int n;
7      scanf("%d", &n);
8      int num[n];
9      for(int i=0; i<n; i++){
10         scanf("%d", &num[i]);
11         map[num[i]]++;
12         if(map[num[i]]>1){
13             printf("%d", num[i]);
14             break;
15         }
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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