



THIVYASRI T 2024-CSE

T2

Started on Thursday, 20 November 2025, 8:58 PM**State** Finished**Completed on** Thursday, 20 November 2025, 9:01 PM**Time taken** 2 mins 48 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
7     int arr[n];
8     int freq[n+1];
9     for (int i = 0; i <= n; i++) freq[i] = 0;
10
11    for (int i = 0; i < n; i++) {
12        scanf("%d", &arr[i]);
13        freq[arr[i]]++;
14        if (freq[arr[i]] > 1) {
15            printf("%d", arr[i]);
16            return 0;
17        }
18    }
19    return 0;
20}
21

```

	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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