



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 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];
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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