

VISAANTH M 2024-ITV2**Started on** Wednesday, 8 October 2025, 2:46 PM**State** Finished**Completed on** Thursday, 9 October 2025, 9:36 PM**Time taken** 1 day 6 hours**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 int main() {
4     int n;
5     scanf("%d", &n);
6     int arr[n];
7     for (int i = 0; i < n; i++)
8         scanf("%d", &arr[i]);
9     int repeated = -1;
10    for (int i = 0; i < n; i++) {
11        int index = abs(arr[i]) - 1;
12        if (arr[index] < 0) {
13            repeated = abs(arr[i]);
14            break;
15        } else {
16            arr[index] = -arr[index];
17        }
18    }
19    printf("%d", repeated);
20    return 0;
21 }
22

```

	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.

[Back to Course](#)