

VARSHINI S 2024-CSE

V2

**Started on** Wednesday, 29 October 2025, 8:54 AM**State** Finished**Completed on** Wednesday, 29 October 2025, 9:02 AM**Time taken** 8 mins 37 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 int main(){
3     int n;
4     int count=0;
5     scanf("%d",&n);
6     int arr[n];
7     for(int i=0;i<n;i++){
8         scanf("%d",&arr[i]);
9     }
10    for(int i=0;i<n;i++){
11        count=0;
12        for(int j=i+1;j<n;j++){
13            if(arr[i]==arr[j]){
14                count++;
15                printf("%d",arr[i]);
16                break;
17            }
18        }
19        if(count>1)
20            break;
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.

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