




Dashboard

My courses

CS23331-DAA-2024-CSE / 2-Finding Duplicates- $O(n)$  Time Complexity,  $O(1)$  Space Complexity

## 2-Finding Duplicates- $O(n)$ Time Complexity, $O(1)$ Space Complexity

Started on	Wednesday, 8 October 2025, 9:11 AM
State	Finished
Completed on	Wednesday, 8 October 2025, 9:34 AM
Time taken	23 mins 42 secs
Marks	1.00/1.00
Grade	4.00 out of 4.00 (100%)

**Question 1** | Correct | Mark 1.00 out of 1.00 |  [Flag question](#)

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

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     scanf("%d",&n);
5     int a[n];
6     for(int i=0;i<n;i++){
7         scanf("%d",&a[i]);
8     }
9     for(int i=0;i<n;i++){
10        for(int j=i+1;j<n;j++){
11            if(a[i]==a[j]){
12                printf("%d ",a[i]);
13            }
14        }
15    }
16 }
```

	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	✓
	1 1 2 3 4			

Passed all tests! ✓

**Correct**

Marks for this submission: 1.00/1.00.

[Finish review](#)

[Back to Course](#)

[Data retention summary](#)