

[Dashbo...](#) / [My cour...](#) / [CS23331-DAA-2023-...](#) / [Competitive Program...](#) / [1-Finding Duplicates- \$O\(n^2\)\$ Time Complexity, \$O\(1\)\$ Space Com...](#)

Started on	Thursday, 22 August 2024, 10:27 AM
State	Finished
Completed on	Thursday, 22 August 2024, 10:32 AM
Time taken	4 mins 55 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 int main(){
3     int a;
4     scanf("%d",&a);
5     int arr[a];
6     for(int i=0;i<a;i++)
7     {
8         scanf("%d",&arr[i]);
9     }
10    for(int i=0;i<a;i++)
11    {
12        for(int j=i+1;j<a+1;j++)
13        {
14            if(arr[i]==arr[j])
15            {
16                printf("%d",arr[i]);
17            }
18        }
19    }
20 }
```

	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.

◀ 4-DP-Longest non-decreasing Subsequence

Jump to...

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

