Dashboard My courses

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

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

Started on	Friday, 24 October 2025, 2:09 PM
State	Finished
Completed on	Friday, 24 October 2025, 2:11 PM
Time taken	2 mins 28 secs
Marks	1.00/1.00
Grade	<b>4.00</b> out of 4.00 ( <b>100</b> %)

## 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

## For example:

Input	Result	
5		1
1 1 2	3 4	

## Answer: (penalty regime: 0 %)

```
#include <stdio.h>
int main() {
    int n;
    scanf("%d", &n);
    int arr[n];
           for (int i = 0; i < n; i++) {
    for (int j = i + 1; j < n; j++) {
        if (arr[i] == arr[j]) {
            duplicate = arr[i];
            break;
        }
}</pre>
                      }
if (duplicate != -1)
```

	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! 🗸

Marks for this submission: 1.00/1.00.