Dashbo... / My cour... / CS23331-DAA-2023-... / Competitive Programm... / 2-Finding Duplicates-O(n) Time Complexity,O(1) Space Comp...

Started on	Tuesday, 27 August 2024, 1:42 PM
State	Finished
Completed on	Tuesday, 8 October 2024, 2:31 PM
Time taken	42 days
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 %)

```c
1  #include<stdio.h>
2  int main(){
3      int n;
4      scanf("%d",&n);
5      int arr[n];
6      for(int i=0;i<n;i++){
7          scanf("%d",&arr[i]);
8      }
9
10     //int j=n-1;
11     for(int i=0;i<n;i++){
12         for(int j=i+1;j<n;j++){
13             if(arr[i]==arr[j]){
14                 printf("%d",arr[i]);
15                 break;
16             }
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.

Jump to...