Started on	Friday, 24 October 2025, 9:11 PM
State	Finished
Completed on	Friday, 24 October 2025, 9:17 PM
Time taken	6 mins 27 secs
Marks	1.00/1.00
Grade	**10.00** out of 10.00 (**100**%)

03/11/2025, 15:39
2-Finding Duplicates-O(n) Time Complexity,O(1) Space Complexity: Attempt review

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  {
4      int n,i,a[100],j;
5      scanf("%d",&n);
6      for(i=0;i<n;i++){
7          scanf("%d",&a[i]);
8
9      }
10     for(i=0;i<n;i++){
11         for(j=i+1;j<n;j++){
12             if(a[i]==a[j]){
13                 printf("%d",a[i]);
14                 return 0;
```

118.185.187.137/moodle/mod/quiz/review.php?attempt=269566&cmid=2603   2/3

```
15
16                    }
17                }
18            }
19        return 0;
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.