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Started on	Tuesday, 20 August 2024, 2:05 PM
State	Finished
Completed on	Tuesday, 20 August 2024, 2:06 PM
Time taken	1 min 11 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 n;
4     scanf("%d",&n);
5     int a[n];
6     for(int i=0;i<n;i++)
7     {
8         scanf("%d",&a[i]);
9     }
10    for(int i=0;i<n;i++)
11    {
12        for(int j=0;j<i;j++)
13        {
14            if(a[i]==a[j]){
15                printf("%d",a[i]);
16                break;
17            }
18        }
19    }
20 }
21 }
22 }
23 }
24 }
```

	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.

[◀ 1-Finding Duplicates- \$O\(n^2\)\$  Time Complexity, \$O\(1\)\$  Space Complexity](#)

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