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<b>Started on</b>	Friday, 16 August 2024, 1:50 PM
<b>State</b>	Finished
<b>Completed on</b>	Friday, 16 August 2024, 2:04 PM
<b>Time taken</b>	14 mins 11 secs
<b>Marks</b>	1.00/1.00
<b>Grade</b>	<b>4.00</b> out of 4.00 ( <b>100%</b> )

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;
5     scanf("%d",&n);
6     int arr[n];
7     for(int i=0;i<n;i++)
8     {
9         scanf("%d",&arr[i]);
10    }
11    for(int i=0;i<n;i++)
12    {
13        for(int j=i+1;j<n;j++)
14        {
15            if(arr[i]==arr[j])
16            {
17                printf("%d",arr[i]);
18                break;
19            }
20        }
21    }
22 }
23 }
24 }
25 }
```

	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 ▶