Status	Finished
Started	Saturday, 12 April 2025, 1:18 PM
Completed	Saturday, 12 April 2025, 1:20 PM
Duration	2 mins 15 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 %)

```c
1   #include<stdio.h>
2   #include<stdlib.h>
3   int main(){
4       int n;
5
6       scanf("%d",&n);
7       int arr[n];
8       for(int i=0;i<n;i++){
9           scanf("%d",&arr[i]);
10      }
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  }
```

	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 ►