Started on	Friday, 24 October 2025, 8:58 PM
State	Finished
Completed on	Friday, 24 October 2025, 9:09 PM
Time taken	10 mins 24 secs
Marks	1.00/1.00
Grade	**10.00** out of 10.00 (**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      scanf("%d",&n);
6      int arr[n],seen[n+1];
7      for(int i=0;i<n;i++)seen[i]=0;
8      for(int i=0;i<n;i++) scanf("%d",&arr[i]);
9      for(int i=0;i<n;i++){
10         if(seen[arr[i]]){
11             printf("%d\n",arr[i]);
12             return 0;
13         }
14         seen[arr[i]]=1;
```

```
15
16        }return 0;
17   }
```

	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.