

Started on Thursday, 23 October 2025, 8:23 AM

State Finished

Completed on Thursday, 23 October 2025, 8:30 AM

Time taken 6 mins 42 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 1 2 3 4	

Answer: (penalty regime: 0 %)

```
1 #include<stdio.h>
2 int main()
3 {
4     int n;
5     scanf("%d",&n);
6     int a[n];
7     for(int i=0;i<n;i++)
8     {
9         scanf("%d",&a[i]);
10    }
11    for(int i=0;i<n;i++)
12    {
13        for(int j=i+1;j<n;j++)
14        {
15            if(a[i]==a[j])
16            {
17                printf("Duplicate found: %d", a[i]);
18                return 1;
19            }
20        }
21    }
22 }
```

```
14 v
15
16 v
17     if(a[i]==a[j])
18     {
19         printf("%d",a[i]);
20     }
21 }
```

	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.