

Started on Friday, 24 October 2025, 9:49 PM

State Finished

Completed on Friday, 24 October 2025, 10:01 PM

Time taken 12 mins 1 sec

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("%d",a[i]);
18            }
19        }
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.