
Started on Friday, 24 October 2025, 8:40 PM

State Finished

Completed on Friday, 24 October 2025, 8:55 PM

Time taken 14 mins 41 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("%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.