| Started on | Friday, 8 November 2024, 9:13 PM |
|---|---|
| State | Finished |
| Completed on | Friday, 8 November 2024, 9:17 PM |
| Time taken | 4 mins 12 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<br>1 1 2 3 4 | 1 |

**Answer:**  (penalty regime: 0 %)

```c
#include<stdio.h>
int main(){
    int n;
    scanf("%d",&n);
    int a[n];
    for (int i=0;i<n;i++)
    {
        scanf("%d",&a[i]);
    }
    for (int j=0;j<n;j++){
        for(int k=j+1;k<n;k++)
        {
            if(a[j]==a[k]){
            printf("%d",a[j]);
            break;}
            else{
            continue;}
        }
    }
}
```

| | Input | Expected | Got | |
|---|-------|----------|-----|---|
| ✔ | 11<br>10 9 7 6 5 1 2 3 8 4 7 | 7 | 7 | ✔ |
| ✔ | 5<br>1 2 3 4 4 | 4 | 4 | ✔ |
| ✔ | 5<br>1 1 2 3 4 | 1 | 1 | ✔ |

Passed all tests! ✔

Correct

Marks for this submission: 1.00/1.00.

◄ 1-Finding Duplicates-O(n^2) Time Complexity,O(1) Space Complexity

Jump to...

3-Print Intersection of 2 sorted arrays-O(m*n)Time Complexity,O(1) Space Complexity ►

◄ 1-Finding Duplicates-O(n^2) Time Complexity,O(1) Space Complexity