CS23331-Design and Analysis of Algorithms-2023 Batch-CSE

Quiz navigation

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Finish review

Started on	Tuesday, 20 August 2024, 2:07 PM
State	Finished
Completed on	Tuesday, 20 August 2024, 2:45 PM
Time taken	38 mins 15 secs
Marks	1.00/1.00
Grade	**4.00** out of 4.00 (**100**%)

Question 1

Correct

Mark 1.00 out of 1.00

⚑ Flag question

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
#include<stdio.h>
int main(){
    int n,i,j,visited=0;
    scanf("%d",&n);
    int a[n];
    for(i=0;i<n;i++){
        scanf("%d",&a[i]);
    }
    for(i=0;i<n;i++){
        for(j=0;j<n;j++){
            if(i!=j && a[i]==a[j] && visited!=a[i]){
                printf("%d ",a[i]);
                visited=a[i];

            }
        }
    }

    return 0;
}
```

	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.

Finish review