

## 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 %)

```

1 #include<stdio.h>
2 int main(){
3     int a,arr[100],b;scanf("%d",&a);
4     for(int i=0;i<a;i++){
5         scanf("%d",&b);
6         if(!arr[b])arr[b]=1;
7         else printf("%d",b);
8     }
9 }
```

|   | 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 ▶

