

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 2 3 4	1

Answer: (penalty regime: 0 %)

```

1 #include<stdio.h>
2 int main(){
3     int a;scanf("%d",&a);int arr[a];
4     for(int i=0;i<a;i++)scanf("%d",&arr[i]);
5     for(int i=0;i<a-1;i++){
6         for(int j=i;j<a;j++){
7             if(arr[i]>arr[j]){
8                 int temp=arr[i];
9                 arr[i]=arr[j];
10                arr[j]=temp;}}
11    for(int i=1;i<a;i++){
12        if(arr[i]==arr[i-1]){
13            printf("%d",arr[i]);break;}
14    }
15 }
16 }
```

	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.

[◀ 4-DP-Longest non-decreasing Subsequence](#)

Jump to...

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

