

Dashboard My courses





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

Started on	Wednesday, 8 October 2025, 9:11 AM
State	Finished
Completed on	Wednesday, 8 October 2025, 9:34 AM
Time taken	23 mins 42 secs
Marks	1.00/1.00
Grade	<b>4.00</b> out of 4.00 ( <b>100</b> %)

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:

Flament v That is reneated

Element x - mat is repeated

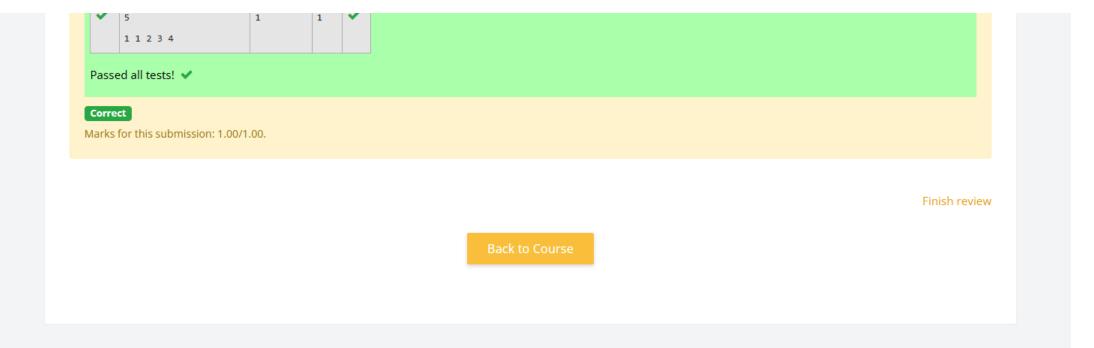
## For example:

Input	Result		
5	1		
1 1 2 3 4			

## Answer: (penalty regime: 0 %)

```
#include<stdio.h>
 2 v int main(){
 3
        int n;
        scanf("%d",&n);
 4
        int a[n];
 5
        for(int i=0;i<n;i++){</pre>
 6 ,
            scanf("%d",&a[i]);
 8
9 ,
        for(int i=0;i<n;i++){</pre>
10 •
             for(int j=i+1;j<n;j++){</pre>
                 if(a[i]==a[j]){
11 •
                     printf("%d ",a[i]);
12
13
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	~



Data retention summary