

Started on Monday, 27 October 2025, 3:42 PM

State Finished

Completed on Monday, 27 October 2025, 3:50 PM

Time taken 8 mins 8 secs

Marks 1.00/1.00

Grade **10.00** out of 10.00 (**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	1
1 1 2 3 4	

Answer: (penalty regime: 0 %)

```

1 #include<stdio.h>
2 int main(){
3     int n;
4     scanf("%d",&n);
5     int a[n];
6     for(int i=0;i<n;i++)
7         scanf("%d",&a[i]);
8     int s=a[0],f=a[0];
9     while(1){
10         s=a[s];
11         f=a[a[f]];
12         if(s==f)
13             break;
14     }
15     s=a[0];
16     while(s!=f){
17         s=a[s];
18         f=a[f];
19     }
20     printf("%d",s);
21 }
```

	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.