

Started on	Friday, 16 August 2024, 1:38 PM
State	Finished
Completed on	Friday, 16 August 2024, 1:48 PM
Time taken	10 mins 10 secs
Marks	1.00/1.00
Grade	4.00 out of 4.00 (100%)

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 n;
4      scanf("%d", &n);
5      int arr[n];
6      for (int i=0; i<n; i++) {
7          scanf("%d", &arr[i]);
8      }
9      for (int i=0; i<n; i++) {
10         for (int j=i+1; j<n; j++) {
11             if (arr[i]==arr[j]) {
12                 printf("%d", arr[i]);
13                 return 0;
14             }
15         }
16     }
17     return 0;
18 }
```

	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.