RAJALAKSHMI
ENGINEERING
COLLEGE

🔔⁷ **VISAANTH M 2024-IT** ⌄   **V2**

Started on	Thursday, 9 October 2025, 9:36 PM
State	Finished
Completed on	Thursday, 9 October 2025, 9:37 PM
Time taken	1 min 6 secs
Marks	1.00/1.00
Grade	**4.00** out of 4.00 (**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 2 3 4	1

Answer: (penalty regime: 0 %)

```c
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       int repeated = -1;
9       for (int i = 0; i < n; i++) {
10          for (int j = i + 1; j < n; j++) {
11              if (arr[i] == arr[j]) {
12                  repeated = arr[i];
13                  break;
14              }
15          }
16          if (repeated != -1)
17              break;
18      }
19      printf("%d", repeated);
20      return 0;
21  }
22
```

	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.

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