



VISAANTH M 2024-IT ▾

V2

Started on	Wednesday, 8 October 2025, 2:46 PM
State	Finished
Completed on	Thursday, 9 October 2025, 9:36 PM
Time taken	1 day 6 hours
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 %)

```

1  #include <stdio.h>
2  #include <stdlib.h>
3  int main() {
4      int n;
5      scanf("%d", &n);
6      int arr[n];
7      for (int i = 0; i < n; i++)
8          scanf("%d", &arr[i]);
9      int repeated = -1;
10     for (int i = 0; i < n; i++) {
11         int index = abs(arr[i]) - 1;
12         if (arr[index] < 0) {
13             repeated = abs(arr[i]);
14             break;
15         } else {
16             arr[index] = -arr[index];
17         }
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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