



JAYARAMAN S 2024-CSE ▾

J2

Started on Monday, 3 November 2025, 3:25 AM**State** Finished**Completed on** Monday, 3 November 2025, 3:27 AM**Time taken** 1 min 31 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 %)

```

1  #include <stdio.h>
2
3  int main() {
4      int n;
5      scanf("%d", &n);
6      int arr[n];
7
8      for (int i = 0; i < n; i++)
9          scanf("%d", &arr[i]);
10
11     int duplicate = -1;
12
13     for (int i = 0; i < n; i++) {
14         for (int j = i + 1; j < n; j++) {
15             if (arr[i] == arr[j]) {
16                 duplicate = arr[i];
17                 break;
18             }
19         }
20         if (duplicate != -1)
21             break;
22     }
23
24     printf("%d\n", duplicate);
25     return 0;
26 }
27

```

	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.

[Back to Course](#)