42 : 53 : 24 Finish test

Learn how your code will be evaluated (https://helpcenter.mymapit.in/?ht_kb=things-to-know-before-attempting-the-test) | Utility codes for quick start (https://helpcenter.mymapit.in/?page_id=871)

Section - 1

Prev Next

Question No. 28 **of** 36 | 5 Marks

Find the Missing Number

Problem Statement

You are given a list of N-1 elements having values from 1 to N with one element missing. Your task is to find out the missing number. The given list of N-1 elements may not be a sorted list.

Note: The sum of numbers from 1 to N is calculated as (n*(n+1))/2

Input Format

The first line contains N.

Second-line contains N-1 space-separated integers

Output Format

Print the missing number.

C (gcc 4.8.3) ▶ Compile & Run O/P »

```c
#include<stdio.h>
#include<limits.h>

int main(){

    // approach - 2 (simplest)
    // input
    int n;
    scanf("%d",&n);
    int arr[n];
    int i;

    int sumOfFirstNnumber = (n*(n+1))/2;
    int currSum = 0;
    for(i=0; i < n-1; i++){  // only n-1 elements are provided from user
        int ele;
        scanf("%d",&ele);
        currSum += ele;
    }

    int misingEle = sumOfFirstNnumber - currSum;
    printf("%d",misingEle);









    /* // app-1 (working)
    // input
    int n;
    scanf("%d",&n);
    int arr[n];


```

x