Nacwadi	Marwadi University	
Marwadi University	Faculty of Technology	
	Department of Information and Communication Technology	
Sem: 3	Name : VEDANT BHARAD	
Day: 66	Date: 22/12/2022	Enrollment No: 92100133023

CP Club 365Days Challenge

<u>Programming language</u> – C++

Problem Statement

https://practice.geeksforgeeks.org/problems/equilibrium-point-1587115620/1?page=1&curated[]=1&sortBy=submissions



Marwadi University Faculty of Technology

Department of Information and Communication Technology

Sem: 3 Name: VEDANT BHARAD

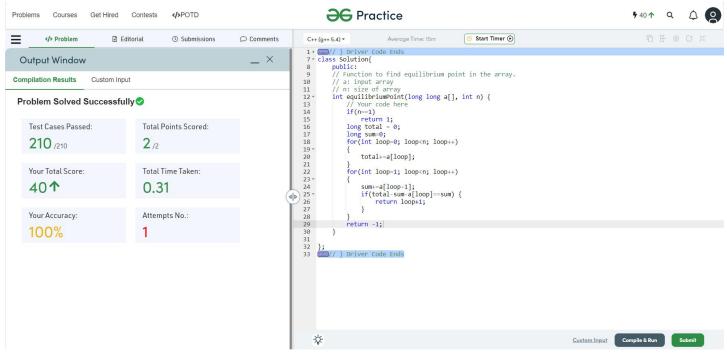
Day: 66 Date: 22/12/2022 Enrollment No: 92100133023

Your Code:

```
#include <iostream>
using namespace std;
class Solution{
    int equilibriumPoint(long long a[], int n) {
        if(n==1)
        long total = 0;
        long sum=0;
        for(int loop=0; loop<n; loop++){</pre>
            total+=a[loop];
        for(int loop=1; loop<n; loop++)</pre>
            sum+=a[loop-1];
            if(total-sum-a[loop]==sum) {
                return loop+1;
int main() {
    long long t;
    while (t--) {
        long long n;
        cin >> n;
        long long a[n];
        for (long long i = 0; i < n; i++) {
            cin >> a[i];
        Solution ob;
        cout << ob.equilibriumPoint(a, n) << endl;</pre>
    return 0;
```

Nacwadi	Marwadi University	
Marwadi University	Faculty of Technology	
	Department of Information and Communication Technology	
Sem: 3	Name: VEDANT BHARAD	
Day: 66	Date: 22/12/2022	Enrollment No: 92100133023

Output (Screen Shot):



Understanding about problem:

- In this task I need to return first Equilibrium Point in an array.
- Equilibrium Point in an array is a position such that the sum of elements before
 it is equal to the sum of elements after it.

Note: If you can't understand the problem, feel free to contact us and we'll help you. Please don't copy and paste from anywhere.

ALL THE BEST

Team CP Club