CP Club 365Days Challenge

Date – 12/12/2022
Programming language – C++

Problem Statement

https://practice.geeksforgeeks.org/problems/balanced-
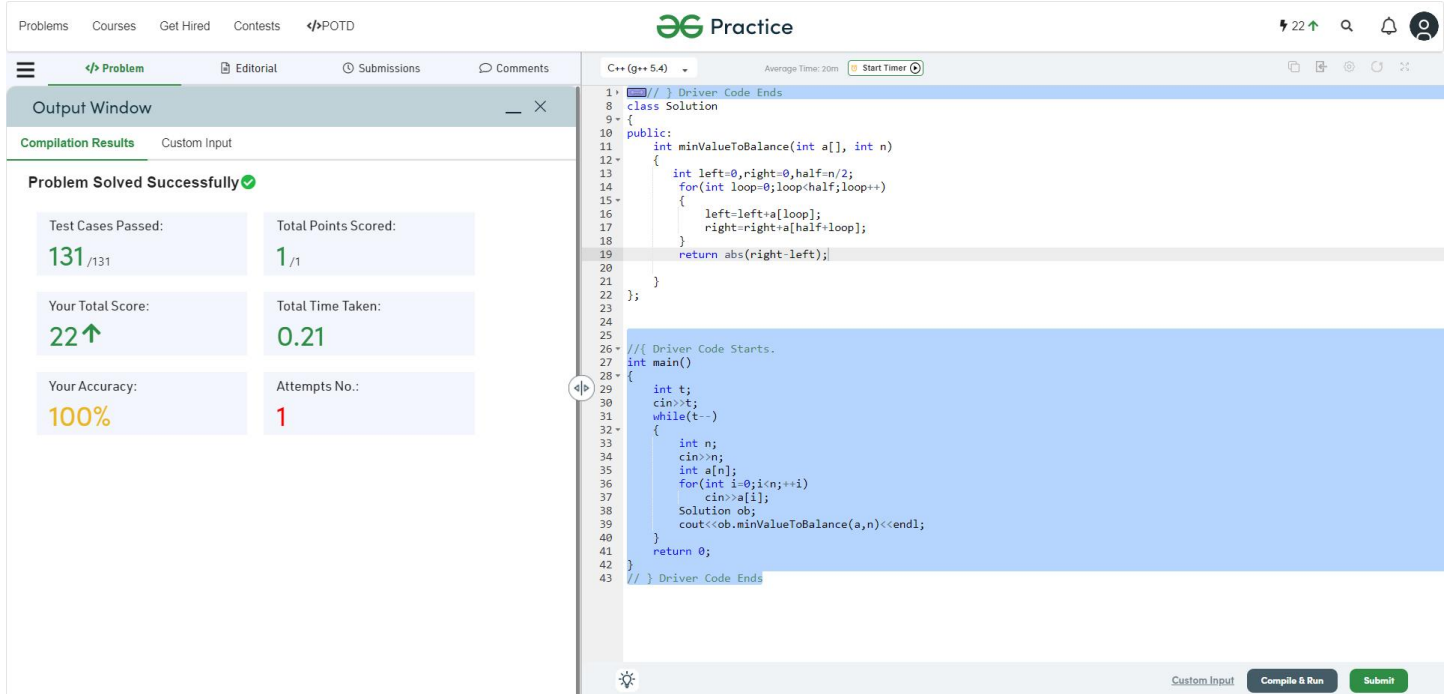array07200720/1?page=2&difficulty[]=-
1&category[]=Arrays&sortBy=submissions

	Marwadi University		
	Marwadi University		
	Faculty of Technology		
	Department of Information and Communication Technology		
Sem : 3	**Name : VEDANT BHARAD**		
Day : 56	**Date : 12/12/2022**	**Enrollment No: 92100133023**	

Your Code:

```cpp
// 0x56Day of 0x365Days challenge
// VEDANT BHARAD
// 12-12-2022
//{ Driver Code Starts
#include <bits/stdc++.h>
#include<stdio.h>
#include<math.h>
using namespace std;
// } Driver Code Ends
class Solution
{
public:
    int minValueToBalance(int a[], int n)
    {
        int left=0,right=0,half=n/2;
        for(int loop=0;loop<half;loop++)
        {
            left=left+a[loop];
            right=right+a[half+loop];
        }
        return abs(right-left);
    }
};
//{ Driver Code Starts.
int main()
{
    int t;
    cin>>t;
    while(t--)
    {
        int n;
        cin>>n;
        int a[n];
        for(int i=0;i<n;++i)
            cin>>a[i];
        Solution ob;
        cout<<ob.minValueToBalance(a,n)<<endl;
    }
    return 0;
}
// } Driver Code Ends
```

Output (Screen Shot):

Understanding about problem:

- In this task I need to balanced the given array from half and for that find minimum value that can be added to an element so that array become balanced.

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