 Marwadi University	Marwadi University Faculty of Technology Department of Information and Communication Technology	
Sem : 3	Name : VEDANT BHARAD	
Day : 54	Date : 10/12/2022	Enrollment No: 92100133023


CP Club 365Days Challenge

Date – 10/12/2022

Programming language – c++

Problem Statement


[https://practice.geeksforgeeks.org/problems/value-equal-to-index-value1330/1?page=3&category\[\]=Arrays&sortBy=submissions](https://practice.geeksforgeeks.org/problems/value-equal-to-index-value1330/1?page=3&category[]=Arrays&sortBy=submissions)

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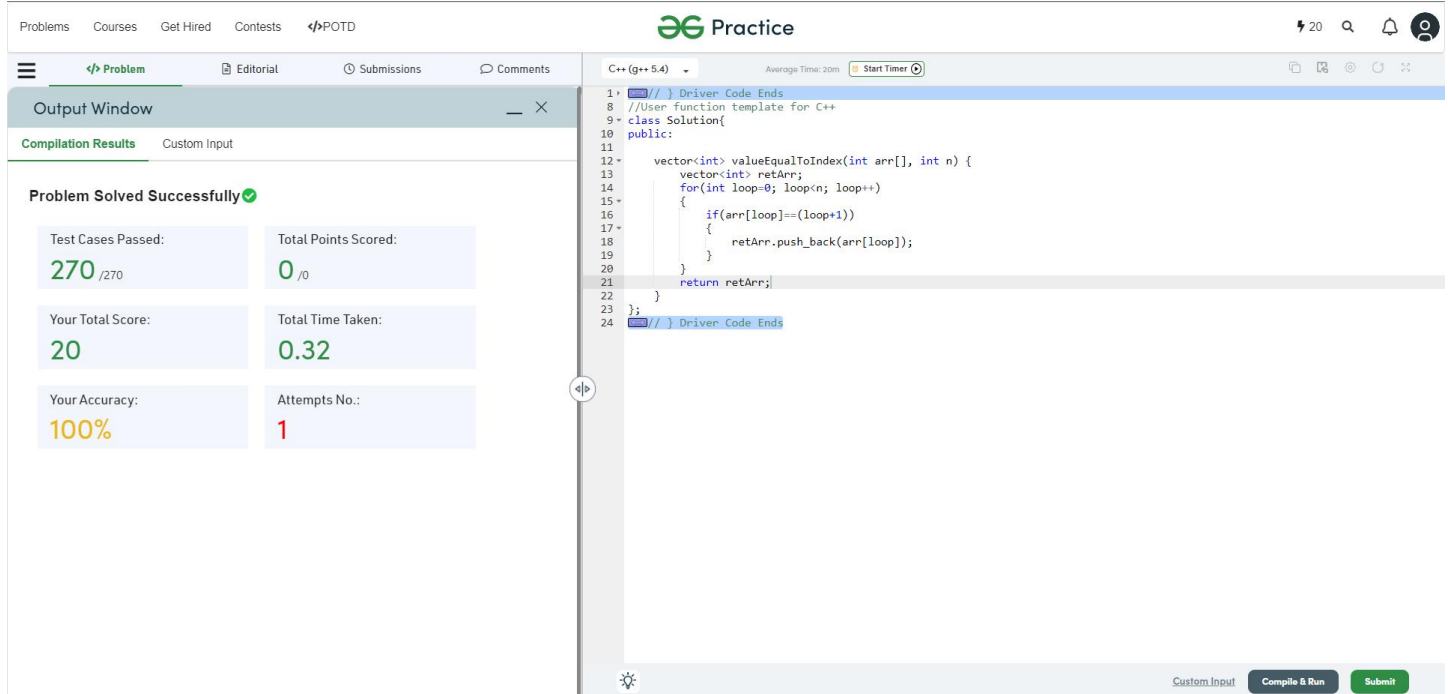
Your Code:

```
// 0x54Day of 0x365Days challenge
// VEDANT BHARAD
// 10-12-2022
//{ Driver Code Starts
#include<bits/stdc++.h>
using namespace std;
// } Driver Code Ends
//User function template for C++
class Solution{
public:

    vector<int> valueEqualToIndex(int arr[], int n) {
        vector<int> retArr;
        for(int loop=0; loop<n; loop++)
        {
            if(arr[loop]==(loop+1))
            {
                retArr.push_back(arr[loop]);
            }
        }
        return retArr;
    }
};
//{ Driver Code Starts.
int main() {
    int t;
    cin >> t;
    while (t--) {
        int n, i;
        cin >> n;
        int arr[n];
        for (i = 0; i < n; i++) {
            cin >> arr[i];
        }
        Solution ob;
        auto ans = ob.valueEqualToIndex(arr, n);
        if (ans.empty()) {
            cout << "Not Found";
        } else {
            for (int x: ans) {
                cout << x << " ";
            }
        }
        cout << "\n";
    }
    return 0;
}
// } Driver Code Ends
```

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Output (Screen Shot):



The screenshot shows a C++ practice platform interface. The top navigation bar includes links for Problems, Courses, Get Hired, and Contests. The left sidebar shows the 'Output Window' and 'Compilation Results' sections. The main code editor area displays the following C++ code:

```

1 // } Driver Code Ends
2 //User function template for C++
3 class Solution{
4 public:
5     vector<int> valueEqualToIndex(int arr[], int n) {
6         vector<int> retArr;
7         for(int loop=0; loop<n; loop++)
8         {
9             if(arr[loop]==(loop+1))
10             {
11                 retArr.push_back(arr[loop]);
12             }
13         }
14         return retArr;
15     }
16 };
17 // } Driver Code Ends

```

The output window shows the following results:

- Test Cases Passed: 270 / 270
- Total Points Scored: 0 / 0
- Your Total Score: 20
- Total Time Taken: 0.32
- Your Accuracy: 100%
- Attempts No.: 1

Understanding about problem:

- In this task I need to return one vector in which there are numbers which are same as index number in given number.

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