
 Marwadi University	Marwadi University Faculty of Technology Department of Information and Communication Technology	
Sem : 3	Name : VEDANT BHARAD	
Day : 59	Date : 15/12/2022	Enrollment No: 92100133023

CP Club 365Days Challenge

Programming language – C++

Problem Statement


[https://practice.geeksforgeeks.org/problems/non-repeating-character-1587115620/1?page=1&difficulty\[\]=0&category\[\]=Strings&sortBy=submissions](https://practice.geeksforgeeks.org/problems/non-repeating-character-1587115620/1?page=1&difficulty[]=0&category[]=Strings&sortBy=submissions)

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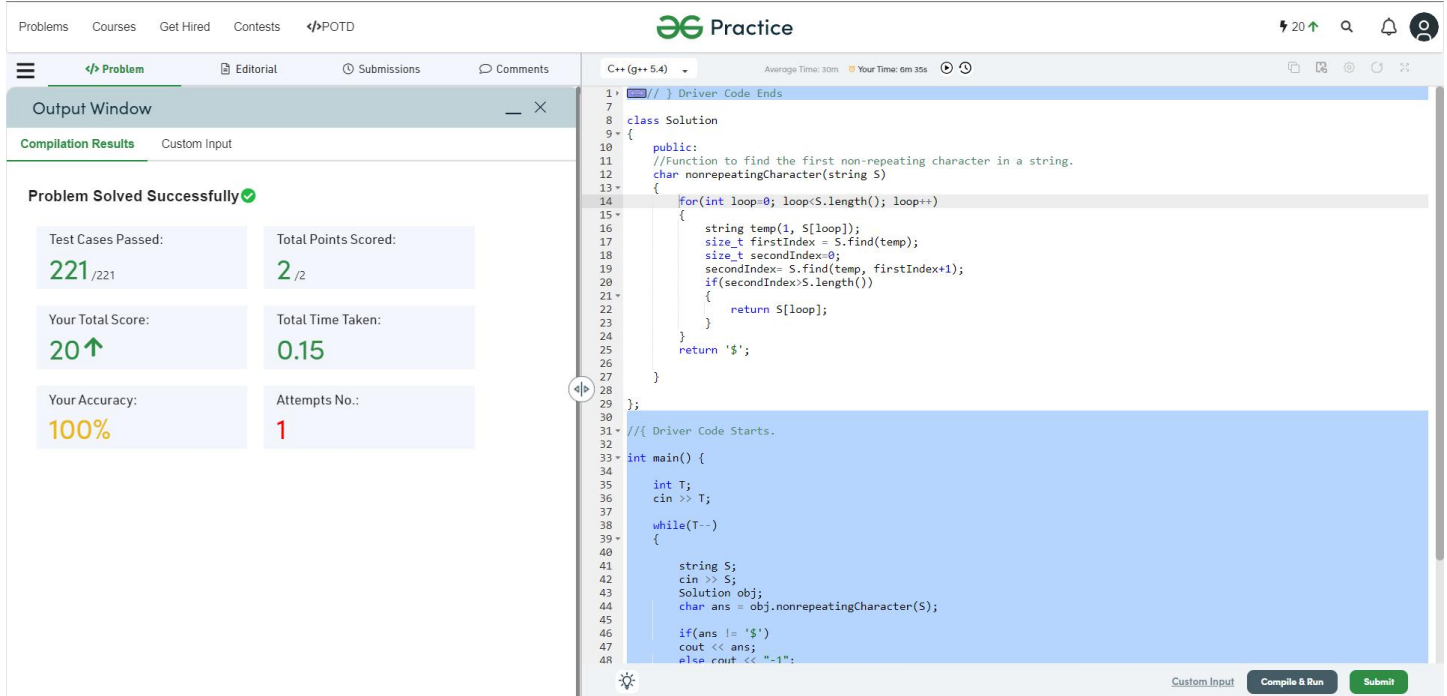
Your Code:

```
// 0x59Day of 0x365Days challenge
// VEDANT BHARAD
// 15-12-2022
//{ Driver Code Starts
#include <bits/stdc++.h>
using namespace std;
// } Driver Code Ends
class Solution
{
public:
//Function to find the first non-repeating character in a string.
char nonrepeatingCharacter(string S)
{
    for(int loop=0; loop<S.length(); loop++)
    {
        string temp(1, S[loop]);
        size_t firstIndex = S.find(temp);
        size_t secondIndex=0;
        secondIndex= S.find(temp, firstIndex+1);
        if(secondIndex>S.length())
        {
            return S[loop];
        }
    }
    return '$';
}
};
//{ Driver Code Starts.
int main() {

    int T;
    cin >> T;
    while(T--)
    {
        string S;
        cin >> S;
        Solution obj;
        char ans = obj.nonrepeatingCharacter(S);
        if(ans != '$')
        {
            cout << ans;
        }
        else cout << "-1";
        cout << endl;
    }
    return 0;
}
// } Driver Code Ends
```

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Output (Screen Shot):



The screenshot shows a web-based programming practice interface. On the left, an 'Output Window' displays 'Problem Solved Successfully' with the following statistics:

- Test Cases Passed: 221 / 221
- Total Points Scored: 2 / 2
- Your Total Score: 20 ↑
- Total Time Taken: 0.15
- Your Accuracy: 100%
- Attempts No.: 1

The main area shows the C++ code for a function that finds the first non-repeating character in a string. The code is as follows:

```

1 // } Driver Code Ends
2
3 class Solution
4 {
5 public:
6     //Function to find the first non-repeating character in a string.
7     char nonrepeatingCharacter(string S)
8     {
9         for(int loop=0; loop<S.length(); loop++)
10         {
11             string temp(1, S[loop]);
12             size_t firstIndex = S.find(temp);
13             size_t secondIndex=0;
14             secondIndex= S.find(temp, firstIndex+1);
15             if(secondIndex>S.length())
16             {
17                 return S[loop];
18             }
19         }
20         return '$';
21     }
22 };
23
24 // } Driver Code Starts.
25
26 int main() {
27     int T;
28     cin >> T;
29     while(T--)
30     {
31         string S;
32         cin >> S;
33         Solution obj;
34         char ans = obj.nonrepeatingCharacter(S);
35         if(ans != '$')
36             cout << ans;
37         else cout << "-1";
38     }
39 }

```

Understanding about problem:

1. In this task there will be one string as a input of our function.
2. In this task I need to find and return first character which is non-repeating character if all character are repeating then return '\$'.

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