
 Marwadi University	Marwadi University Faculty of Technology Department of Information and Communication Technology	
Sem : 3	Name : VEDANT BHARAD	
Day : 53	Date : 09/12/2022	Enrollment No: 92100133023

CP Club 365Days Challenge

Date – 09/12/2022
Programming language – c++

Problem Statement


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

 Marwadi University	Marwadi University Faculty of Technology Department of Information and Communication Technology	
Sem : 3	Name : VEDANT BHARAD	
Day : 53	Date : 09/12/2022	Enrollment No: 92100133023

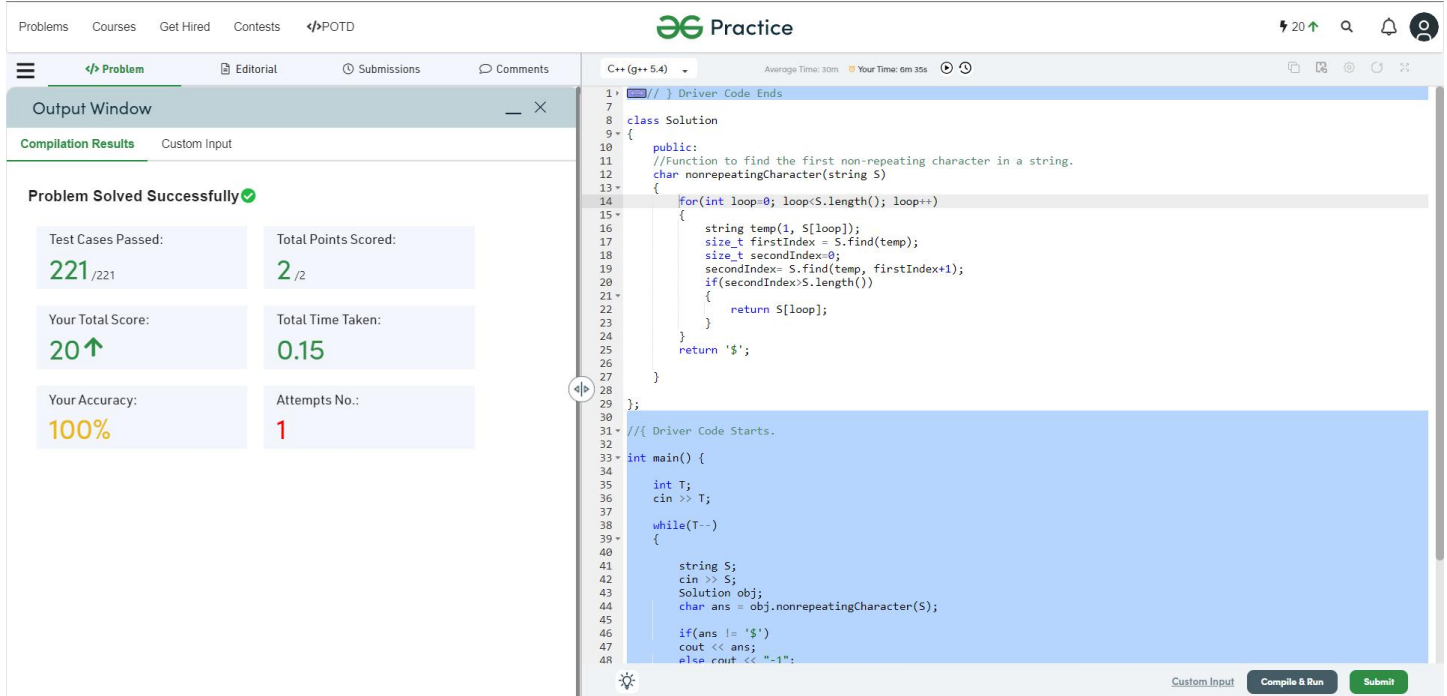
Your Code:

```
// 0x53Day of 0x365Days challenge
// VEDANT BHARAD
// 09-12-2022
//{ 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
```

 Marwadi University	Marwadi University Faculty of Technology Department of Information and Communication Technology	
Sem : 3	Name : VEDANT BHARAD	
Day : 53	Date : 09/12/2022	Enrollment No: 92100133023

Output (Screen Shot):



The screenshot shows a C++ programming environment with the following details:

- Output Window (Left Panel):**
 - Compilation Results:** Problem Solved Successfully.
 - 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
- Code Editor (Right Panel):**

```

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 '$';
21 }
22
23 };
24
25 // } Driver Code Starts.
26
27 int main() {
28     int T;
29     cin >> T;
30     while(T--)
31     {
32         string S;
33         cin >> S;
34         Solution obj;
35         char ans = obj.nonrepeatingCharacter(S);
36         if(ans != '$')
37             cout << ans;
38         else cout << "-1";
39     }
40 }
```

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