
 Marwadi University	Marwadi University Faculty of Technology Department of Information and Communication Technology	
Sem : 3	Name : VEDANT BHARAD	
Day : 61	Date : 17/12/2022	Enrollment No: 92100133023

CP Club 365Days Challenge

Programming language – C++

Problem Statement


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

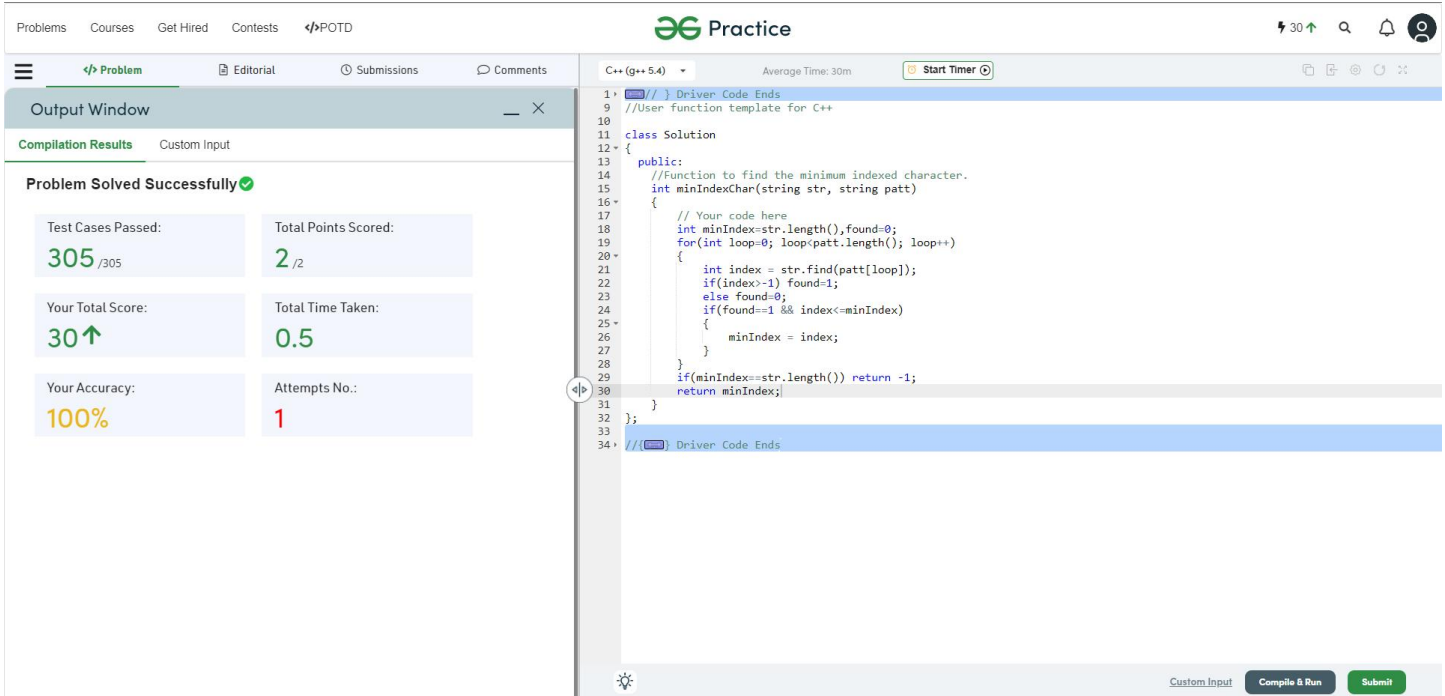
 Marwadi University	Marwadi University Faculty of Technology Department of Information and Communication Technology	
Sem : 3	Name : VEDANT BHARAD	
Day : 61	Date : 17/12/2022	Enrollment No: 92100133023

Your Code:

```
// 0x61Day of 0x365Days challenge
// VEDANT BHARAD
// 17-12-2022
//{ Driver Code Starts
//Initial template for C++
#include <bits/stdc++.h>
using namespace std;
// } Driver Code Ends
//User function template for C++
class Solution
{
public:
//Function to find the minimum indexed character.
int minIndexChar(string str, string patt)
{
    int minIndex=str.length(),found=0;
    for(int loop=0; loop<patt.length(); loop++)
    {
        int index = str.find(patt[loop]);
        if(index>-1) found=1;
        else found=0;
        if(found==1 && index<=minIndex)
        {
            minIndex = index;
        }
    }
    if(minIndex==str.length()) return -1;
    return minIndex;
};
//{ Driver Code Starts.
int main()
{
    int t;
    cin>>t;
    while(t-->0)
    {
        string str;
        string patt;
        cin>>str;
        cin>>patt;
        Solution obj;
        cout<<obj.minIndexChar(str, patt)<<endl;
    }
    return 0;
}
// } Driver Code Ends
```

Output (Screen Shot):

 Marwadi University	Marwadi University Faculty of Technology Department of Information and Communication Technology	
Sem : 3	Name : VEDANT BHARAD	
Day : 61	Date : 17/12/2022	Enrollment No: 92100133023



The screenshot shows a web-based C++ practice environment. On the left, the 'Output Window' displays 'Problem Solved Successfully' with a green checkmark. Below this, statistics are shown: Test Cases Passed: 305 / 305, Total Points Scored: 2 / 2, Your Total Score: 30 (up arrow), Total Time Taken: 0.5, Your Accuracy: 100%, and Attempts No.: 1. The main area shows a C++ code editor with a solution for finding the minimum indexed character. The code is as follows:

```

1 // } Driver Code Ends
2 //User function template for C++
3
4 class Solution
5 {
6 public:
7     //Function to find the minimum indexed character.
8     int minIndexChar(string str, string patt)
9     {
10         // Your code here
11         int minIndex=str.length(),found=0;
12         for(int loop=0; loop<patt.length(); loop++)
13         {
14             int index = str.find(patt[loop]);
15             if(index>-1) found=1;
16             else found=0;
17             if(found==1 && index<=minIndex)
18             {
19                 minIndex = index;
20             }
21         }
22         if(minIndex==str.length()) return -1;
23         return minIndex;
24     }
25 };
26 // } Driver Code Ends
  
```

At the bottom right, there are buttons for 'Custom Input', 'Compile & Run', and 'Submit'.

Understanding about problem:

I need to Find the minimum index of the character in str1 that is also present in str2 if not then return -1.

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