
 Marwadi University	Marwadi University Faculty of Technology Department of Information and Communication Technology	
Sem : 3	Name : VEDANT BHARAD	
Day : 58	Date : 14/12/2022	Enrollment No: 92100133023

CP Club 365Days Challenge

Programming language – C++

Problem Statement

[https://practice.geeksforgeeks.org/problems/check-if-string-is-rotated-by-two-places-1587115620/1?page=1&difficulty\[\]=0&category\[\]=Strings&sortBy=submissions](https://practice.geeksforgeeks.org/problems/check-if-string-is-rotated-by-two-places-1587115620/1?page=1&difficulty[]=0&category[]=Strings&sortBy=submissions)


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Your Code:

```
// 0x58Day of 0x365Days challenge
// VEDANT BHARAD
// 14-12-2022
//{ Driver Code Starts
#include <bits/stdc++.h>
using namespace std;
// } Driver Code Ends
class Solution
{
public:
//Function to check if a string can be obtained by rotating
//another string by exactly 2 places.
bool isRotated(string str1, string str2)
{
    if(str1.length()==1 && str2.length()==1)
    {
        if(str1==str2) return true;
        else return false;
    }
    else{
        string rotatedleft,rotatedright;
        //1
        // rotatedleft.append(str1.substr(2,str1.length()-2));
        // rotatedleft.append(str1.substr(0,2));

        // rotatedright.append(str1.substr(str1.length()-2,2));
        // rotatedright.append(str1.substr(0,str1.length()-2));
        //

        //2
        for(int loop=2;loop<str1.length();loop++)
        {
            rotatedleft.append(1,str1[loop]);
        }
        rotatedleft.append(1,str1[0]);rotatedleft.append(1,str1[1]);
        rotatedright.append(1,str1[str1.length()-2]);rotatedright.append(1,str1[str1.length()-1]);
        for(int loop=0;loop<str1.length()-2;loop++)
        {
            rotatedright.append(1,str1[loop]);
        }
        //
        if(rotatedright==str2 || rotatedleft==str2)
        {
            return true;
        }
        else return false;
    }
}
};
//{ Driver Code Starts.
int main() {
```

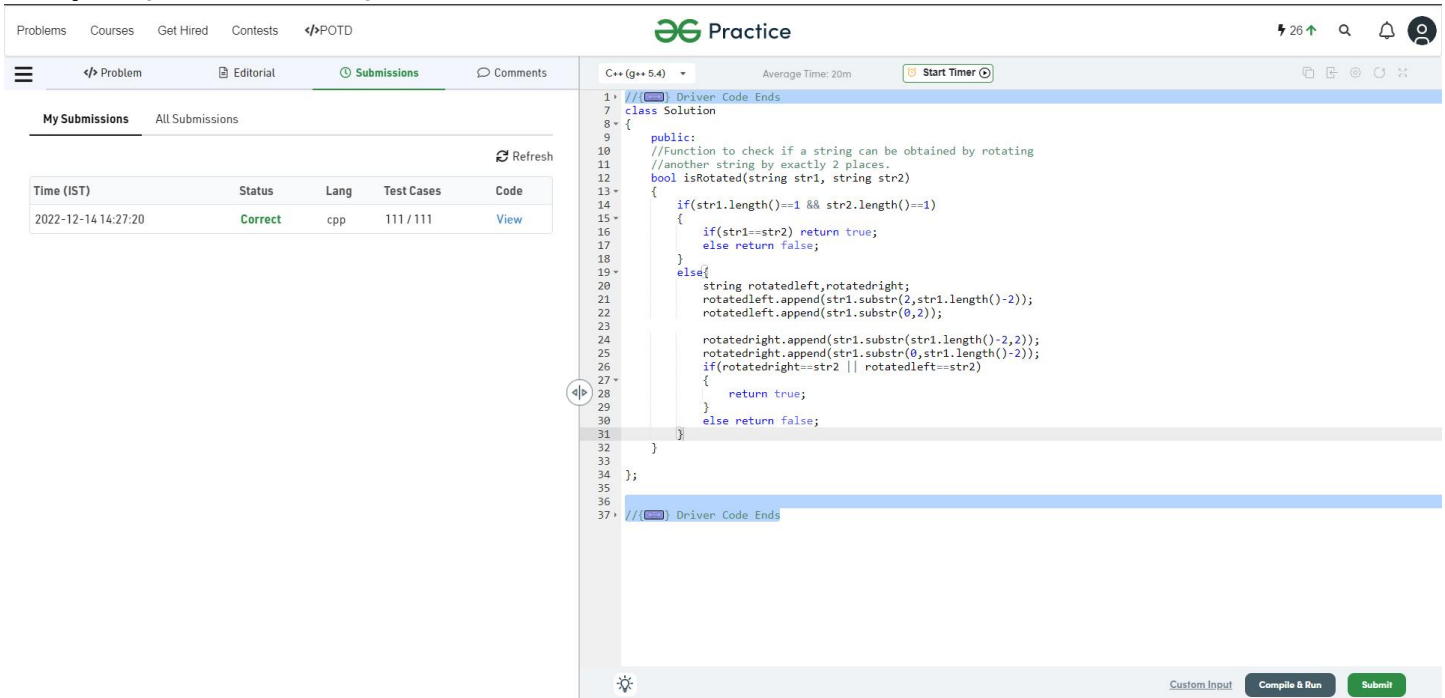
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```

int t;
cin>>t;
while(t-->0)
{
    string s;
    string b;
    cin>>s>>b;
    Solution obj;
    cout<<obj.isRotated(s,b)<<endl;
}
return 0;
// } Driver Code Ends

```

Output (Screen Shot):



The screenshot shows the 'Practice' platform interface. On the left, there's a sidebar with 'Problems', 'Courses', 'Get Hired', 'Contests', and 'POTD'. The main area displays the 'isRotated' problem. The solution is written in C++ (g++ 5.4) and is marked as 'Correct'. The code defines a 'Solution' class with a public method 'isRotated' that takes two strings, 'str1' and 'str2', and returns a boolean. The method checks if 'str1' can be rotated to match 'str2' by exactly 2 places. The submission is dated '2022-12-14 14:27:20' and shows '111 / 111' test cases passed.

Understanding about problem:

- In this task I need to return true or false, after rotating string 1 clockwise and anticlockwise if the Rotated string is equal to string 2 then return true else false.

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