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

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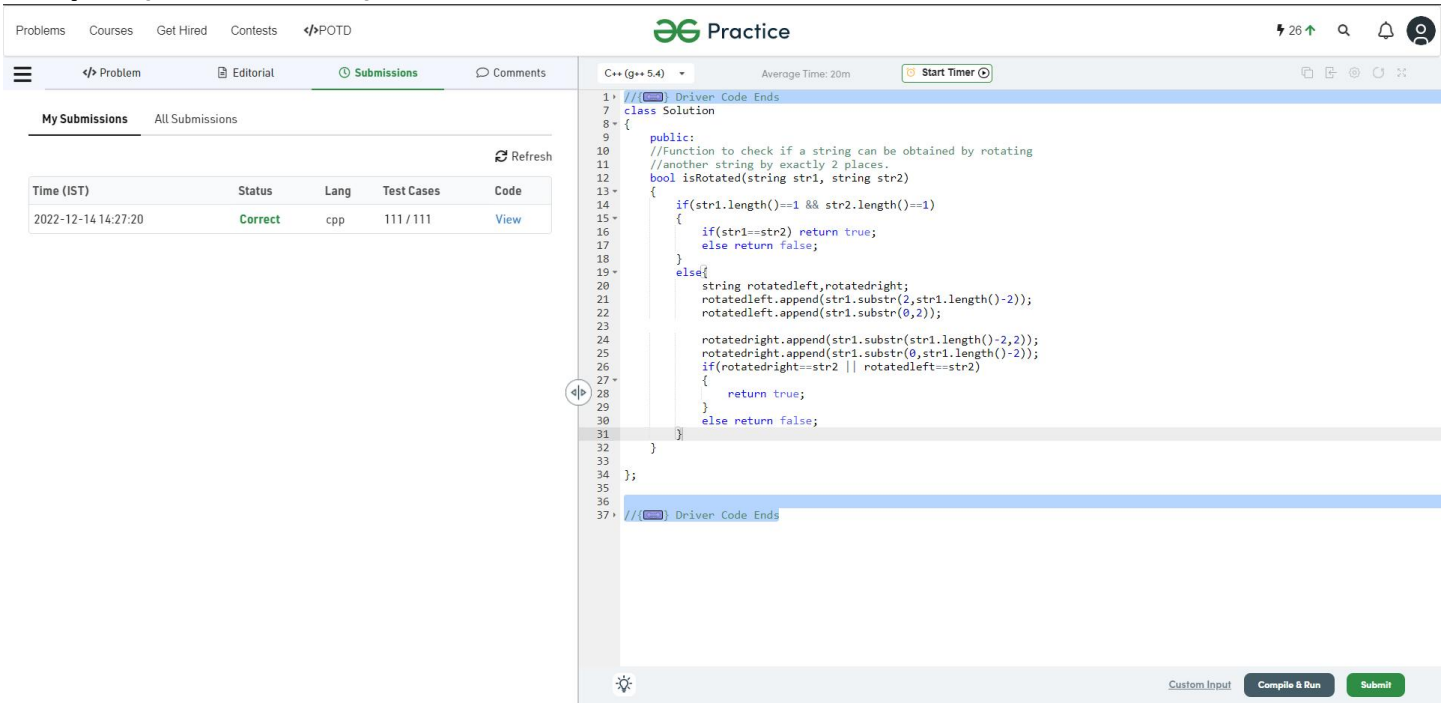
```
    int t;
    cin>>t;
    while(t--)
    {
        string s;
        string b;
        cin>>s>>b;
        Solution obj;
        cout<<obj.isRotated(s,b)<<endl;
    }
    return 0;
}
// } Driver Code Ends
```

Output (Screen Shot):



Understanding about problem:

- In this task I need to return true of false,after rotation 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