 Marwadi University	Marwadi University Faculty of Technology Department of Information and Communication Technology	
Sem : 3	Name : VEDANT BHARAD	
Day : 33	Date : 19/11/2022	Enrollment No: 92100133023

CP Club 365Days Challenge


Date – 19/11/2022

Programming language – only C language

Problem Statement

Code must be in C language only


[https://practice.geeksforgeeks.org/problems/palindrome-string0817/1?page=1&category\[\]=Strings&sortBy=submissions](https://practice.geeksforgeeks.org/problems/palindrome-string0817/1?page=1&category[]=Strings&sortBy=submissions)

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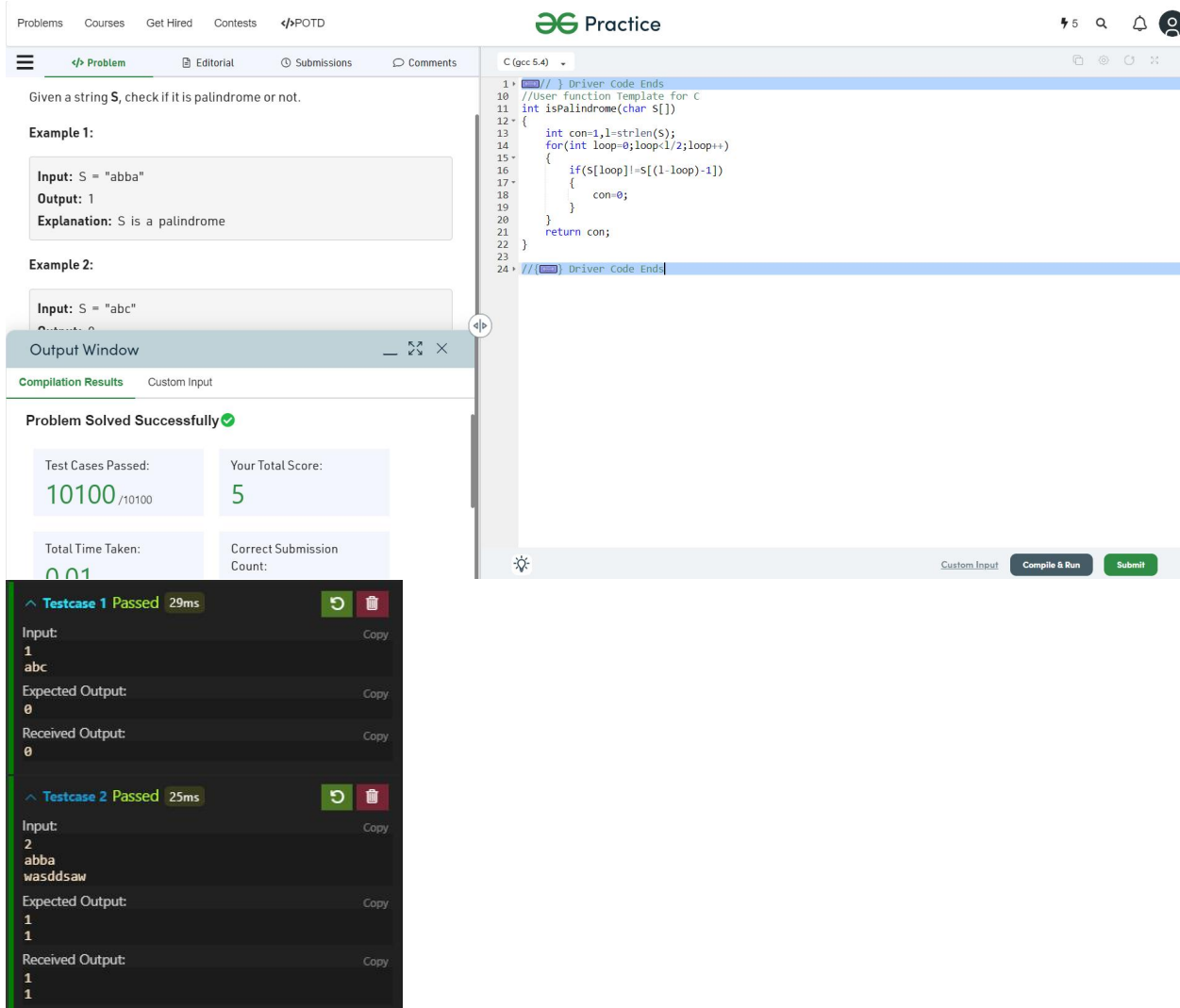
Your Code:

```
// 0x33Day of 0x365Days challenge
// VEDANT BHARAD
// 19-11-2022
//{ Driver Code Starts
//Initial Template for C

#include <stdio.h>
#include <string.h>
#include <stdbool.h>
// } Driver Code Ends
//User function Template for C
int isPalindrome(char S[])
{
    int con=1,l=strlen(S);
    for(int loop=0;loop<l/2;loop++)
    {
        if(S[loop]!=S[(l-loop)-1])
        {
            con=0;
        }
    }
    return con;
}
//{ Driver Code Starts.
int main()
{
    int t;
    scanf("%d", &t);
    while(t--)
    {
        char s[100000];
        scanf("%s", s);
        printf("%d\n", isPalindrome(s));
    }
    return 0;
}
// } Driver Code Ends
```

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Output (Screen Shot):



The screenshot displays a coding practice environment. On the left, the problem description asks to check if a string S is a palindrome. Examples show "abba" returning 1 and "abc" returning 0. The main editor shows a C program using a two-pointer approach to compare characters from both ends of the string. Below the editor, the 'Compilation Results' window shows 'Problem Solved Successfully' with 10/10 test cases passed and a score of 5. A detailed test case log at the bottom shows two cases: 'Testcase 1 Passed' with input 'abc' and expected output '0', and 'Testcase 2 Passed' with input 'abba wasddsaw' and expected output '1'.

Understanding about problem:

- In this task there is one input which is string;
- In this task I need to check the given string is palindrome or not and return 1 if string is palindrome, else return 0;

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