 Marwadi University	Marwadi University Faculty of Technology Department of Information and Communication Technology	
Sem : 3	Name : VEDANT BHARAD	
Day : 34	Date : 20/11/2022	Enrollment No: 92100133023

CP Club 365Days Challenge


Date – 20/11/2022

Programming language – only C++ language

Problem Statement


Code must be in C++ language only

[https://practice.geeksforgeeks.org/problems/maximum-occurring-character-1587115620/1?page=2&category\[\]=Strings&sortBy=submissions](https://practice.geeksforgeeks.org/problems/maximum-occurring-character-1587115620/1?page=2&category[]=Strings&sortBy=submissions)

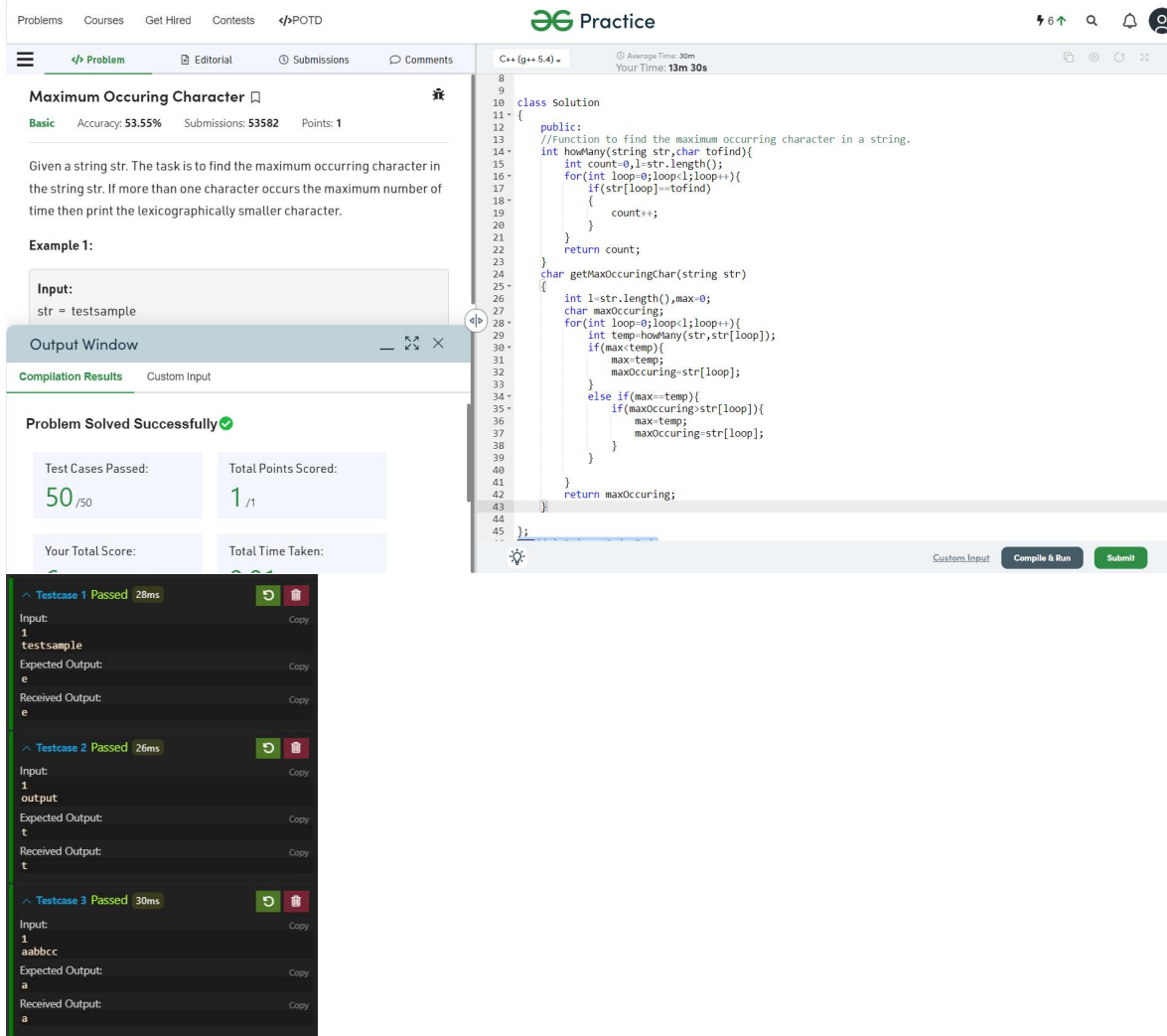
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Your Code:

```
// 0x34Day of 0x365Days challenge
// VEDANT BHARAD
// 20-11-2022
//{ Driver Code Starts
#include<bits/stdc++.h>
using namespace std;
// } Driver Code Ends
class Solution
{
public:
//Function to find the maximum occurring character in a string.
int howMany(string str,char tofind){
int count=0,l=str.length();
for(int loop=0;loop<l;loop++){
if(str[loop]==tofind){
count++;
}
}
return count;
}
char getMaxOccuringChar(string str){
int l=str.length(),max=0;
char maxOccuring;
for(int loop=0;loop<l;loop++){
int temp=howMany(str,str[loop]);
if(max<temp){
max=temp;
maxOccuring=str[loop];
}
else if(max==temp){
if(maxOccuring>str[loop]){
max=temp;
maxOccuring=str[loop];
}
}
}
return maxOccuring;
}
};
//{ Driver Code Starts.
int main()
{
int t;
cin >> t;
while(t--){
string str;
cin >> str;
Solution obj;
cout<< obj.getMaxOccuringChar(str)<<endl;
}
}
// } Driver Code Ends
```

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Output (Screen Shot):



The screenshot displays a C++ programming practice environment. On the left, the problem description for "Maximum Occurring Character" is shown, including the task, an example input "testsample", and the output "e". The problem status is "Problem Solved Successfully" with 50/50 test cases passed. On the right, the C++ code is visible, which defines a class solution with a function to find the maximum occurring character in a string. The code uses a loop to count the frequency of each character and returns the character with the highest frequency. At the bottom, a detailed test case log shows three test cases, all of which passed successfully.

Understanding about problem:

1. In this task there is one input string.
2. In this task I need to return character which having the highest frequency.

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