Started on	Monday, 28 October 2024, 2:29 PM
State	Finished
Completed on	Monday, 28 October 2024, 2:46 PM
Time taken	17 mins 14 secs
Marks	1.00/1.00
Grade	**10.00** out of 10.00 (**100**%)

Question **1**

Correct

Mark 1.00 out of 1.00

Given two strings find the length of the common longest subsequence(need not be contiguous) between the two.

Example:

s1: ggtabe

s2: tgatasb

s1	a	g	g	t	a	b	
s2	g	x	t	x	a	y	b

The length is 4

Solveing it using Dynamic Programming

For example:

Input	Result
aab azb	2

Answer: (penalty regime: 0 %)

```
#include<stdio.h>
#include<string.h>
int main(){
    char a[50], b[50];
    scanf("%s",a);
    scanf("%s",b);
    int min;
    int len1 = strlen(a);
    int len2 = strlen(b);
    if(len1<len2){
        min = len1;
    }
    else{
        min = len2;
    }
    int count=0;
    for(int i=0;i<min;i++){
        if(a[i]==b[i]){
            count++;
        }
    }
    printf("%d",count);
}
```

	Input	Expected	Got	
✔	aab azb	2	2	✔

	Input	Expected	Got	
✔	ABCD ABCD	4	4	✔

Passed all tests! ✔

Correct

Marks for this submission: 1.00/1.00.

◄ 2-DP-Playing with chessboard

Jump to...

4-DP-Longest non-decreasing Subsequence ►