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CS23331-DAA-2024-CSE / 3-DP-Longest Common Subsequence

## 3-DP-Longest Common Subsequence

Started on	Friday, 24 October 2025, 1:56 PM
State	Finished
Completed on	Friday, 24 October 2025, 2:05 PM
Time taken	8 mins 48 secs
Marks	1.00/1.00
Grade	<b>10.00</b> out of 10.00 ( <b>100</b> %)

## Question 1 | Correct Mark 1.00 out of 1.00 ♥ Flag question

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

Example:

s1: ggtabe

s2: tgatasb

s1 b

## The length is 4

Solveing it using Dynamic Programming

## For example:

Input	Result
aab	2
azb	

Answer: (penalty regime: 0 %)

```
#include <stdio.h>
4 v int max(int a, int b) {
5     return (a > b) ? a : b;
% int main() {
9     char s1[1000], s2[1000];
10     scanf("%s", s1);
11     scanf("%s", s2);
          int n = strlen(s1);
int m = strlen(s2);
          printf("%d\n", dp[n][m]);
```

	Input	Expected	Got	
~	aab azb	2	2	*
~	ABCD ABCD	4	4	~

Passed all tests! 🗸

Correct

Marks for this submission: 1.00/1.00.

Finish review

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