Master "C Language" in 30 Days Challenge

By TECH INVOLVERS

Instructions:

- Read the problem carefully before trying to solve it.
- Do the tasks on your own. Don't copy it.
- The output of your program must be same as given in sample run.

Problem 1:

Given a string str, find the length of the longest palindromic subsequence in str. A subsequence is a sequence that can be derived from another sequence by deleting some elements without changing the order of the remaining elements.

Input:

str = "bbbab"

Output:

The longest palindromic subsequence is "bbbb", which has a length of 4.

Problem 2:

Given two strings str1 and str2, find the minimum number of operations required to convert str1 into str2. The allowed operations are: 1)Insert a character 2)Remove a character 3)Replace a character

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Input:

Input:

str1 = "kitten"

str2 = "sitting"

Output:

3

Explanation:

The minimum operations to convert "kitten" to "sitting" are as follows:

1. Replace 'k' with 's' -> "sitten"

2. Replace 'e' with 'i' -> "sittin"

3. Insert 'g' at the end -> "sitting"