AlgoExpert

Solution 1 Solution 2

Quad Layout

Solution 4

Swift

14рх

**Your Solutions** 

Sublime

Monokai

00:00:

Run Code

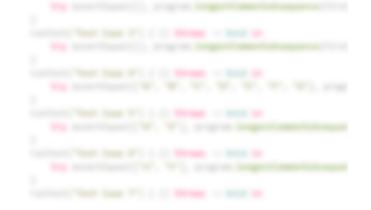
```
Our Solution(s) Run Code
```

Solution 3

```
1 // Copyright © 2020 AlgoExpert, LLC. All rights reserved.
 3
   class Program {
       // O(nm) time | O(nm) space
 4
        func longestCommonSubsequence(firstString: String, secondString:
            var lcs = [[(String, Int, Int, Int)]]()
            for _ in stride(from: 0, to: firstString.count + 1, by: 1) {
                var row = [(String, Int, Int, Int)]()
9
10
11
                for _ in stride(from: 0, to: secondString.count + 1, by: 1
12
                    let tuple = ("", 0, 0, 0)
                    row.append(tuple)
14
16
                lcs.append(row)
17
            }
18
19
            for i in stride(from: 1, to: firstString.count + 1, by: 1) {
20
                for j in stride(from: 1, to: secondString.count + 1, by: 1
                    let firstIndex = firstString.index(firstString.startIn
21
                    let secondIndex = secondString.index(secondString.star
                    if firstString[firstIndex] == secondString[secondIndex
                        let char = String(firstString[firstIndex])
26
                        lcs[i][j] = (char, lcs[i - 1][j - 1].1 + 1, i - 1,
27
                    } else {
28
                        if lcs[i - 1][j].1 > lcs[i][j - 1].1 {
29
                            lcs[i][j] = ("", lcs[i - 1][j].1, i - 1, j)
30
                        } else {
31
                            lcs[i][j] = ("", lcs[i][j - 1].1, i, j - 1)
33
```

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 Our Tests
 Custom Output
 Submit Code



Run or submit code when you're ready.