AlgoExpert

Solution 2

Solution 1

Quad Layout

Solution 4

Swift

14px

Your Solutions

Sublime

Monokai

00:00:

Run Code

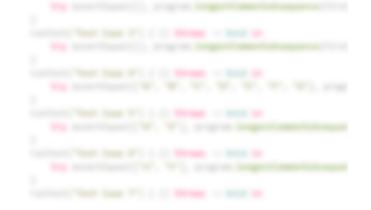
Our Solution(s) Run Code

Solution 3

```
Solution 1 Solution 2 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 lengths = [[Int]]()
            for _ in stride(from: 0, to: firstString.count + 1, by: 1) {
 9
                let row = Array(repeating: 0, count: secondString.count +
10
                lengths.append(row)
11
12
            for i in stride(from: 1, to: firstString.count + 1, by: 1) {
14
                for j in stride(from: 1, to: secondString.count + 1, by: 1
                    let firstIndex = firstString.index(firstString.startIn
                    let secondIndex = secondString.index(secondString.star
16
17
                    if firstString[firstIndex] == secondString[secondIndex
18
19
                        lengths[i][j] = lengths[i - 1][j - 1] + 1
20
21
                        lengths[i][j] = max(lengths[i - 1][j], lengths[i][
26
            return buildSequence(lengths: lengths, string: secondString)
27
28
29
        // Build lcs from lengths array and initial string
30
        func buildSequence(lengths: [[Int]], string: String) -> [String] {
31
            var sequence = [String]()
33
            var i = lengths.count - 1
```

Our TestsCustom OutputSubmit Code



Run or submit code when you're ready.