Our Solution(s)

Run Code

Solution 1   Solution 2   Solution 3   Solution 4

```javascript
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// O(nm*min(n, m)) time | O(nm*min(n, m)) space
function longestCommonSubsequence(str1, str2) {
  const lcs = [];
  for (let i = 0; i < str2.length + 1; i++) {
    const row = new Array(str1.length + 1).fill([]);
    lcs.push(row);
  }
  for (let i = 1; i < str2.length + 1; i++) {
    for (let j = 1; j < str1.length + 1; j++) {
      if (str2[i - 1] === str1[j - 1]) {
        lcs[i][j] = lcs[i - 1][j - 1].concat(str2[i - 1]);
      } else {
        lcs[i][j] = lcs[i - 1][j].length > lcs[i][j - 1].length ? lcs
      }
    }
  }
  return lcs[str2.length][str1.length];
}

exports.longestCommonSubsequence = longestCommonSubsequence;
```

Your Solutions

Run Code

Solution 1   Solution 2   Solution 3

```javascript
function longestCommonSubsequence(str1, str2) {
  // Write your code here.
}

// Do not edit the line below.
exports.longestCommonSubsequence = longestCommonSubsequence;
```

Our Tests

Custom Output

Submit Code

Run or submit code when you're ready.

Run or submit code when you're ready.