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Your Solutions

Run Code

Our Solution(s) Run Code

```
Solution 1 Solution 2
                          Solution 3
                                       Solution 4
 1 // Copyright © 2020 AlgoExpert, LLC. All rights reserved.
   import java.util.*;
   class Program {
     // O(nm*min(n, m)) time | O(nm*min(n, m)) space
      public static List<Character> longestCommonSubsequence(String str1,
        List<List<Character>>> lcs = new ArrayList<List<Charact
 9
        for (int i = 0; i < str2.length() + 1; i++) {</pre>
10
          lcs.add(new ArrayList<List<Character>>());
11
          for (int j = 0; j < str1.length() + 1; j++) {</pre>
            lcs.get(i).add(new ArrayList<Character>());
12
14
15
        for (int i = 1; i < str2.length() + 1; i++) {</pre>
          for (int j = 1; j < str1.length() + 1; j++) {</pre>
16
17
            if (str2.charAt(i - 1) == str1.charAt(j - 1)) {
              List<Character> copy = new ArrayList<Character>(lcs.get(i -
18
19
              lcs.get(i).set(j, copy);
20
              lcs.get(i).get(j).add(str2.charAt(i - 1));
21
            } else {
22
              \textbf{if} \ (\texttt{lcs.get(i-1).get(j).size()} \ > \ \texttt{lcs.get(i).get(j-1).siz}
23
                lcs.get(i).set(j, lcs.get(i - 1).get(j));
                lcs.get(i).set(j, lcs.get(i).get(j - 1));
26
27
28
29
30
        return lcs.get(str2.length()).get(str1.length());
31
32 }
```

```
Solution 1 Solution 2 Solution 3

1 import java.util.*;
2
3 class Program {
4  public static List<Character> longestCommonSubsequence(String str1,
5  // Write your code here.
6  return null;
7  }
8 }
```

Run or submit code when you're ready.

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