

Our Solution(s)

Run Code

Your Solutions

Run Code

Solution 1

Solution 2

```
1 # Copyright © 2020 AlgoExpert, LLC. All rights reserved.
2
3 # O(2^(n + m)) time | O(n + m) space - where n is the length
4 # of the first string and m is the length of the second string
5 def interweavingStrings(one, two, three):
6     if len(three) != len(one) + len(two):
7         return False
8
9     return areInterwoven(one, two, three, 0, 0)
10
11
12 def areInterwoven(one, two, three, i, j):
13     k = i + j
14     if k == len(three):
15         return True
16
17     if i < len(one) and one[i] == three[k]:
18         if areInterwoven(one, two, three, i + 1, j):
19             return True
20
21     if j < len(two) and two[j] == three[k]:
22         return areInterwoven(one, two, three, i, j + 1)
23
24     return False
25
```

Solution 1

Solution 2

Solution 3

```
1 def interweavingStrings(one, two, three):
2     # Write your code here.
3     pass
4
```

Our Tests

Custom Output

Submit Code

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def interweavingStrings(one, two, three):

if len(three) != len(one) + len(two):

return False

return areInterwoven(one, two, three, 0, 0)

def areInterwoven(one, two, three, i, j):

k = i + j

if k == len(three):

return True

if i < len(one) and one[i] == three[k]:

if areInterwoven(one, two, three, i + 1, j):

return True

if j < len(two) and two[j] == three[k]:

return areInterwoven(one, two, three, i, j + 1)

return False

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def interweavingStrings(one, two, three):

Write your code here.

pass

```
10     temp = 100
11     while temp > 100:
12         print("temp is too high")
13         temp = 100
14     print("temp is 100")
15     while temp > 100:
16         print("temp is too high")
17         temp = 100
18     print("temp is 100")
19     while temp > 100:
20         print("temp is too high")
21         temp = 100
22     print("temp is 100")
```

Run or submit code when you're ready.