AlgoExpert Quad Layout Swift 12px Sublime Monokai 00:00:00

PromptScratchpadOur Solution(s)Video ExplanationRun Code

```
1 // Copyright © 2020 AlgoExpert, LLC. All rights reserved.
 3 class Program {
       class LinkedList {
           var value: Int
           var next: LinkedList?
           init(value: Int) {
9
               self.value = value
10
11
12
13
       // O(n + m) time \mid O(1) space - where n is the number of nodes in the first
        // Linked List and m is the number of nodes in the second Linked List
14
        func mergeLinkedLists(_ headOne: LinkedList, _ headTwo: LinkedList) -> LinkedList {
15
           var p1 = headOne as LinkedList?
16
17
           var p2 = headTwo as LinkedList?
           var p1Prev: LinkedList?
18
19
20
           while p1 != nil, p2 != nil {
21
               if p1!.value < p2!.value {</pre>
                  p1Prev = p1
22
23
                   p1 = p1!.next
               } else {
24
25
                   if p1Prev != nil {
26
                       p1Prev!.next = p2
27
28
                   p1Prev = p2
29
                   p2 = p2!.next
30
                   p1Prev!.next = p1
31
32
33
           if p1 == nil, p1Prev != nil {
35
               p1Prev!.next = p2
36
37
38
           if headOne.value < headTwo.value {</pre>
               return headOne
39
```

Solution 1 Solution 2

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return headTwo