AlgoExpert Quad Layout C# 12px Sublime Monokai 00:00:00

Prompt Scratchpad Our Solution(s) Video Explanation Run Code

Solution 1 Solution 2

```
1\, // Copyright @ 2020 AlgoExpert, LLC. All rights reserved.
 3 public class Program {
     public class LinkedList {
       public int value;
        public LinkedList next;
        public LinkedList(int value) {
         this.value = value;
10
          this.next = null;
11
12
13
      // O(n\,+\,m) time | O(1) space - where n is the number of nodes in the first
14
15
      // Linked List and {\rm m} is the number of nodes in the second Linked List
16
      public static LinkedList mergeLinkedLists(LinkedList headOne, LinkedList headTwo) {
17
       LinkedList p1 = headOne;
18
        LinkedList p1Prev = null;
       LinkedList p2 = headTwo;
19
20
        while (p1 != null && p2 != null) {
         if (p1.value < p2.value) {</pre>
21
22
           p1Prev = p1;
23
           p1 = p1.next;
24
         } else {
25
           if (p1Prev != null)
26
            p1Prev.next = p2;
27
           p1Prev = p2;
28
           p2 = p2.next;
29
           p1Prev.next = p1;
30
31
        if (p1 == null)
32
33
         p1Prev.next = p2;
34
        return headOne.value < headTwo.value ? headOne : headTwo;</pre>
35
36 }
```