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

Prompt Scratchpad Our Solution(s) Video Explanation Run Code

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Solution 1 Solution 2
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```
1\, // Copyright © 2020 AlgoExpert, LLC. All rights reserved.
 3 class LinkedList {
    constructor(value) {
        this.value = value;
        this.next = null;
8 }
11 \, // Linked List and m is the number of nodes in the second Linked List
12 function mergeLinkedLists(headOne, headTwo) {
13 recursiveMerge(headOne, headTwo, null);
    return headOne.value < headTwo.value ? headOne : headTwo;</pre>
14
15 }
16
17 function recursiveMerge(p1, p2, p1Prev) {
      if (p1 === null) {
18
       p1Prev.next = p2;
19
20
       return;
21
      if (p2 === null) return;
22
23
24
       \hspace{0.1cm} \textbf{if} \hspace{0.1cm} (\hspace{0.1cm} \textbf{p1.value} \hspace{0.1cm} < \hspace{0.1cm} \textbf{p2.value}) \hspace{0.1cm} \{ \\
25
       recursiveMerge(p1.next, p2, p1);
26
27
       if (p1Prev !== null) p1Prev.next = p2;
        const newP2 = p2.next;
28
29
       p2.next = p1;
30
        recursiveMerge(p1, newP2, p2);
31
32 }
33
34 exports.LinkedList = LinkedList;
35 exports.mergeLinkedLists = mergeLinkedLists;
```