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 #include <vector>
 5 using namespace std;
 7 class LinkedList {
8 public:
    int value;
10
    LinkedList *next;
11
     LinkedList(int value) {
12
13
      this->value = value;
      this->next = NULL;
14
15
16 };
17
19 // Linked List and m is the number of nodes in the second Linked List
20 LinkedList *mergeLinkedLists(LinkedList *headOne, LinkedList *headTwo) {
21
     LinkedList *p1 = headOne;
     LinkedList *p1Prev = NULL;
22
23
     LinkedList *p2 = headTwo;
     while (p1 != NULL && p2 != NULL) {
24
25
      if (p1->value < p2->value) {
26
        p1Prev = p1;
27
        p1 = p1->next;
28
       } else {
29
        if (p1Prev != NULL)
30
          p1Prev->next = p2;
31
        p1Prev = p2;
32
        p2 = p2->next;
33
        p1Prev->next = p1;
34
35
     if (p1 == NULL)
36
37
      p1Prev->next = p2;
     return headOne->value < headTwo->value ? headOne : headTwo;
38
39 }
```