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

 Prompt
 Scratchpad
 Our Solution(s)
 Video Explanation

Run Code

Solution 1

```
1\, // Copyright © 2020 AlgoExpert, LLC. All rights reserved.
 3 #include <vector>
 4 using namespace std;
6 class LinkedList {
 7 public:
8 int value;
9 LinkedList *next;
11 LinkedList(int value);
12 };
13
14 // O(n) time | O(1) space
15 LinkedList *findLoop(LinkedList *head) {
16 LinkedList *first = head->next;
    LinkedList *second = head->next->next;
17
18
     while (first != second) {
19
      first = first->next;
20
       second = second->next->next;
21
     first = head;
22
23
     while (first != second) {
      first = first->next;
24
25
       second = second->next;
26
27
    return first;
28 }
```