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

PromptScratchpadOur Solution(s)Video ExplanationRun Code

Solution 1

```
1\, // Copyright @ 2020 AlgoExpert, LLC. All rights reserved.
   class Program {
     // O(n) time | O(1) space
     public static LinkedList findLoop(LinkedList head) {
       LinkedList first = head.next;
       LinkedList second = head.next.next;
       while (first != second) {
         first = first.next;
10
         second = second.next.next;
11
12
       first = head;
       while (first != second) {
13
         first = first.next;
14
15
         second = second.next;
16
17
       return first;
18
19
20
      static class LinkedList {
21
       int value;
22
       LinkedList next = null;
23
24
       public LinkedList(int value) {
25
         this.value = value;
26
27
28 }
```