

Solution 1

```
1 // Copyright © 2020 AlgoExpert, LLC. All rights reserved.
2
3 using namespace std;
4
5 class LinkedList {
6 public:
7     int value;
8     LinkedList *next;
9
10    LinkedList(int value) {
11        this->value = value;
12        this->next = NULL;
13    }
14 };
15
16 // O(n) time | O(1) space - where n is the number of nodes in the Linked List
17 LinkedList *reverseLinkedList(LinkedList *head) {
18     LinkedList *p1 = NULL;
19     LinkedList *p2 = head;
20     while (p2 != NULL) {
21         LinkedList *p3 = p2->next;
22         p2->next = p1;
23         p1 = p2;
24         p2 = p3;
25     }
26     return p1;
27 }
28
```