

Our Solution(s)

Run Code

Your Solutions

Run Code

Solution 1

```
1 // Copyright © 2020 AlgoExpert, LLC. All rights reserved.
2
3 #include <vector>
4 using namespace std;
5
6 class LinkedList {
7 public:
8     int value;
9     LinkedList *next;
10
11     LinkedList(int value);
12 };
13
14 // O(n) time | O(1) space
15 void removeKthNodeFromEnd(LinkedList *head, int k) {
16     int counter = 1;
17     LinkedList *first = head;
18     LinkedList *second = head;
19     while (counter <= k) {
20         second = second->next;
21         counter++;
22     }
23     if (second == NULL) {
24         head->value = head->next->value;
25         head->next = head->next->next;
26         return;
27     }
28     while (second->next != NULL) {
29         second = second->next;
30         first = first->next;
31     }
32     first->next = first->next->next;
33 }
34
```

Solution 1

Solution 2

Solution 3

```
1 #include <vector>
2 using namespace std;
3
4 class LinkedList {
5 public:
6     int value;
7     LinkedList *next;
8
9     LinkedList(int value);
10    void addMany(vector<int> values);
11    vector<int> getNodesInArray();
12 };
13
14 void removeKthNodeFromEnd(LinkedList *head, int k) {
15     // Write your code here.
16 }
17
```

Custom Output

Raw Output

Submit Code

Run or submit code when you're ready.