Our Solution(s)   Run Code

Solution 1

```csharp
1  // Copyright © 2020 AlgoExpert, LLC. All rights reserved.
2
3
4  public class Program {
5    // O(n) time | O(1) space
6    public static void RemoveKthNodeFromEnd(LinkedList head, int k
7      int counter = 1;
8      LinkedList first = head;
9      LinkedList second = head;
10     while (counter <= k) {
11       second = second.Next;
12       counter++;
13     }
14     if (second == null) {
15       head.Value = head.Next.Value;
16       head.Next = head.Next.Next;
17       return;
18     }
19     while (second.Next != null) {
20       second = second.Next;
21       first = first.Next;
22     }
23     first.Next = first.Next.Next;
24   }
25
26   public class LinkedList {
27     public int Value;
28     public LinkedList Next = null;
29
30     public LinkedList(int value) {
31       this.Value = value;
32     }
33   }
34 }
35
```

Your Solutions   Run Code

Solution 1   Solution 2   Solution 3

```csharp
1
2  public class Program {
3    public static void RemoveKthNodeFromEnd(LinkedList head, int k
4      // Write your code here.
5    }
6
7    public class LinkedList {
8      public int Value;
9      public LinkedList Next = null;
10
11     public LinkedList(int value) {
12       this.Value = value;
13     }
14   }
15 }
16
```

Custom Output   Submit Code

Run or submit code when you're ready.