

Our Solution(s)

Run Code

Your Solutions

Run Code

Solution 1

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

Solution 1   Solution 2   Solution 3

```
1 class Program {
2     public static LinkedList reverseLinkedList(LinkedList head) {
3         // Write your code here.
4         return null;
5     }
6
7     static class LinkedList {
8         int value;
9         LinkedList next = null;
10
11        public LinkedList(int value) {
12            this.value = value;
13        }
14    }
15 }
16
```

Our Tests

Custom Output

Submit Code

```
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17    static class LinkedList {
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```
1 class Program {
2     public static LinkedList reverseLinkedList(LinkedList head) {
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7     static class LinkedList {
8         int value;
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11        public LinkedList(int value) {
12            this.value = value;
13        }
14    }
15 }
16
```

```

10  self.assertEqual(result, expected)
11  }
12
13  @test
14  def test(self):
15      program.compile_test = lambda: self.assertEqual(1, 2)
16      with self.assertRaises(Exception):
17          self.assertEqual(1, 2)
18      self.assertEqual(result, expected)
19  }
20
21  @test
22  def test(self):
23      program.compile_test = lambda: self.assertEqual(1, 2)

```

Run or submit code when you're ready.