Our Solution(s)   Run Code

Solution 1

```swift
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class Program {
    class LinkedList {
        var value: Int
        var next: LinkedList?

        init(value: Int) {
            self.value = value
        }
    }

    // O(n) time | O(1) space
    func reverseLinkedList(_ head: LinkedList) -> LinkedList {
        var firstPointer: LinkedList?
        var secondPointer: LinkedList? = head

        while secondPointer != nil {
            let thirdPointer = secondPointer?.next
            secondPointer?.next = firstPointer
            firstPointer = secondPointer
            secondPointer = thirdPointer
        }

        return firstPointer!
    }
}
```

Your Solutions   Run Code

Solution 1   Solution 2   Solution 3

```swift
class Program {
    // This is an input class. Do not edit.
    class LinkedList {
        var value: Int
        var next: LinkedList?

        init(value: Int) {
            self.value = value
        }
    }

    func reverseLinkedList(_ head: LinkedList) -> LinkedList {
        // Write your code here.
        return head // replace me
    }
}
```

Our Tests

Custom Output   Submit Code

Run or submit code when you're ready.