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Work with your neighbor.

Problem 1. Implement two classes with the following methods

Run the program and create a linked list as shown in the following IDLE transcript:

```
>>> a_ll = LinkedList()
>>> len(a_ll)
0
>>> nodel = Node("world")
>>> print(nodel)
world
>>> node2 = Node("hello")
>>> a_ll.add(nodel)
>>> len(a_ll)
1
>>> a_ll.add(node2)
>>> len(a_ll)
2
```

Problem 2. Add print_nodes method to LinkedList class, which prints out all nodes' value in the linked list. Following the above IDLE transcript, you need to achieve this:

```
>>> a_ll.print_nodes()
hello
world
```

Problem 3. Add append (self, node) method to LinkedList class, that appends a node to the tail of the list. To implement it effeciently, maintaining _tail attribute in LikedList. Following the above IDLE transcript, you need to achieve this:

```
>>> a ll.append(Node("!!!"))
>>> a ll.print nodes()
hello
world
!!!
>>> b ll = LinkedList()
>>> b ll.append(Node("happy"))
>>> len(b ll)
1
>>> b ll.print nodes()
happy
>>> b ll.append(Node("life"))
>>> len(b ll)
>>> b ll.print nodes()
happy
life
```

Problem 4. Add remove_first (self) method to LinkedList class, that removes the first node in the list, and returns the node. If an LinkedList object is empty, return None. Following the above IDLE transcript, you need to achieve this:

```
>>> n1 = b_ll.remove_first()
>>> print(n1)
happy
>>> b_ll.print_nodes()
life
>>> b_ll.remove_first()
<linkedlist.Node object at 0x1026ed438>
>>> len(b_ll)
0
>>> b_ll.remove_first()
>>> b_ll.remove_first()
```

Problem 5. Add concat (self, another) method to LinkedList class, that concats another list to the current list. Following the above IDLE transcript, you need to achieve this:

```
>>> c_ll = LinkedList()
>>> c_ll.append(Node("This"))
>>> c_ll.append(Node("is"))
>>> c_ll.append(Node("cool"))
>>> a_ll.concat(c_ll)
>>> a_ll.print_nodes()
hello
```

```
world
!!!
This
is
cool
>>> a_ll.append(Node("!!!!!"))
>>> a_ll.print_nodes()
hello
world
!!!
This
is
cool
!!!!!
```

Problem 6 (optional). Add reverse method to LinkedList class, that reverse the linkedlist.