Problem Domain

a. Append an item at the end of linked list.

b. Insert an item before a given value

c. Insert an item after a given value.

a. Input: [1,2,3,4], 5
   Output: [1,2,3,4,5]

b. Input: [1,2,3,4], 4, 7
   Output: [1,2,3,7,4]

c. Input: [1,2,3,4], 1, 8
   Output: [1,8,2,3,4]

Edge Cases
- value to compare does not exist

Big O
a. time O(n), space O(1)
b. time O(n), space O(1)
c. time O(n), space O(1)

Algorithm

a. Set current = head

   Traverse to end of linked list and append item

b. Set current = head

   Traverse linked list until
   current.next.next.value = given value
   If found set current.next = node with given value
   else
   current = current.next

c. Set current = head
   Traverse linked list until
   current.next = given value
   If found set current.next.next = node with given value