## Task 1:

Complete the recursive function flattenList which will take a nested python list and an empty list as parameters. The function should convert the nested list into a new flat list sequentially. Check the input-output to understand the sequence pattern.

Your code must work for any depth of the nested linked list. You can not use any loop in the function. You can use built-in functions like append, type, etc.

Ungraded Task: Do this now for Singly Linked List Instead of Python's built-in list.

Hint:

Your node class

class Node:

```
def __init__(self, next, bottom, val):
self.next = next # for next item
self.bottom = bottom # for nested item check
self.val = val # The integer value.
```