Merge Two Sorted Linked List [LeetCode](https://leetcode.com/problems/merge-two-sorted-lists/)

Write a C++ program to merge two sorted linked lists.

**Approach 1: Iterative approach to merge two sorted linked lists**

* Initialize pointers to keep track of the merged list and the previous node.
* Traverse both linked lists simultaneously, comparing their values.
* Connect the smaller value node to the merged list, updating the merged list and the previous node pointers.
* Continue this process until both lists are exhausted.
* Finally, append any remaining nodes from both lists to the merged list.

**Time Complexity: O(m + n), where m and n are the lengths of the two linked lists.**

**Space Complexity: O(1), as only a constant amount of additional space is used.**

**Approach 2: Recursive approach to merge two sorted linked lists**

* Base cases: If one of the lists is empty, return the other list.
* Compare the values of the current nodes in the two lists.
* Recursively merge the rest of the lists and connect the nodes accordingly.
* Return the merged list.

**Time Complexity: O(m + n), where m and n are the lengths of the two linked lists.**

**Space Complexity: O(m + n), as the recursive call stack can grow to accommodate both lists' lengths.**