MERGE SORTED LINKED LISTS

✡ In this problem, we are given two linked lists which are individually sorted and our job is to return a linked list which merges those 2 in a sorted manner.

Bruteforce solution is to create an array for storing all elements, sorting it and creating a new linked list.

Optimal Solution is very similar to merging two sorted arrays. We use 2 pointers and a dummy Node for traversing and creating answer list.

C++ :

```
Node* mergeSortedLL(Node* l1, Node* l2) {
    Node* t1 = l1;
    Node* t2 = l2;
    Node* dM = new Node(-1);
    Node* temp = dM;
    while (t1 != nullptr && t2 != nullptr) {
        if (t1->data < t2->data) {
            temp->next = t1;
            t1 = t1->next;
            temp = temp->next;
        } else {
            temp->next = t2;
            t2 = t2->next;
            temp = temp->next;
```

```
        }
    }
    if (t1 == nullptr) {
        temp->next = t2;
    }
    if (t2 == nullptr) {
        temp->next = t1;
    }
    head = dM->next;
    delete dM;
    return head;
}
```