

```
// Function to merge two sorted linked list.
// return head of the merged list.
Node mergeSortedList(Node head1, Node head2) {
    Node head = null;
    Node curr = null;
    while (head1 != null && head2 != null) {
        Node newNode = null;
        if (head1.data <= head2.data) {
            newNode = head1;
            head1 = head1.next;
        } else {
            newNode = head2;
            head2 = head2.next;
        }
        if (head == null) {
            head = newNode;
            curr = head;
        } else {
            curr.next = newNode;
            curr = curr.next;
        }
    }
    if (head1 != null) {
        curr.next = head1;
    }
    if (head2 != null) {
        curr.next = head2;
    }
    return head;
}
```