**Merge Two Sorted Linked Lists**

Node<int>\* sortTwoLists(Node<int>\* first, Node<int>\* second)

{ Node<int> \* dummy = new Node<int>(-1);

    Node<int> \* temp = dummy;

    Node<int> \*curr1 = first;

    Node<int>\* curr2 = second;

    while(curr1 && curr2){

        if(curr1->data < curr2->data){

            temp->next = curr1;

            temp = curr1;

            curr1 = curr1->next;

        }

        else if(curr2->data < curr1->data){

            temp->next = curr2;

            temp = curr2;

            curr2 = curr2->next;

        }

        else{

            temp->next = curr1;

            temp = curr1;

            curr1 = curr1->next;

            temp->next = curr2;

            temp =  curr2;

            curr2 = curr2->next;

        }

    }

    while(curr1){

        temp->next = curr1;

        temp = curr1;

        curr1 = curr1->next;

    }

    while(curr2){

         temp->next = curr2;

            temp = curr2;

            curr2 = curr2->next;

    }

    return dummy->next;

}