**Add Two Numbers**

Node \*addTwoNumbers(Node \*num1, Node \*num2)

{

// Write your code here.

Node\* dummy=new Node(0);

Node\* temp=dummy;

Node\* l1 = num1;

Node\* l2 = num2;

int cr=0;

int sum=0;

while (l1 != NULL && l2 != NULL) {

Node \*temp1 = new Node(0);

sum = (l1->data) + (l2->data) + cr;

temp1->data = (sum % 10);

temp->next = temp1;

temp = temp->next;

cr = sum / 10;

l1 = l1->next;

l2 = l2->next;

}

if(l1!=NULL && l2==NULL){

while(l1!=NULL){

Node\* temp1=new Node(0);

sum=(l1->data) + cr;

temp1->data=(sum%10);

temp->next=temp1;

temp=temp->next;

cr=sum/10;

l1=l1->next;

}

}

else if(l1==NULL && l2!=NULL){

while(l2!=NULL){

Node\* temp1=new Node(0);

sum=(l2->data)+cr;

temp1->data=(sum%10);

temp->next=temp1;

temp=temp->next;

cr=sum/10;

l2=l2->next;

}

}

if(cr==1){

Node\* temp1=new Node(0);

temp1->data=cr;

temp->next=temp1;

return dummy->next;

}

return dummy->next;

}