***Week – 7 (31.05.2021 – 05.06.2021)***

***CODES BASED ON WEELKY TASK***

1. ***Add Two Numbers:***

class Solution {

public:

ListNode\* adding(ListNode\* l1, ListNode\* l2, int carry) {

if(l1 == NULL && l2 == NULL && carry == 0) return NULL;

int n1 = l1!=NULL? l1->val: 0;

int n2 = l2!=NULL? l2->val: 0;

ListNode\* node = new ListNode((n1 + n2 + carry) % 10);

carry = (n1 + n2 + carry)/10;

node->next = adding(l1?l1->next:NULL, l2?l2->next:NULL, carry);

return node;

}

ListNode\* addTwoNumbers(ListNode\* l1, ListNode\* l2) {

return adding(l1, l2, 0);

}

};