class Solution:

def addTwoNumbers(

self, l1: Optional[ListNode], l2: Optional[ListNode]

) -> Optional[ListNode]:

dummyHead = ListNode(0)

curr = dummyHead

carry = 0

while l1 != None or l2 != None or carry != 0:

l1Val = l1.val if l1 else 0

l2Val = l2.val if l2 else 0

columnSum = l1Val + l2Val + carry

carry = columnSum // 10

newNode = ListNode(columnSum % 10)

curr.next = newNode

curr = newNode

l1 = l1.next if l1 else None

l2 = l2.next if l2 else None

return dummyHead.next