**Justin\_LinkedList\_0445.**  **Add Two Numbers II**

**Concept:**

先把 l1 跟 l2 分別都加到 stack 裡

把兩個 stack 都 pop()，取 %10 並新增一個 ListNode

取 //10 為進位

**Code:**

# Definition for singly-linked list.

# class ListNode:

# def \_\_init\_\_(self, x):

# self.val = x

# self.next = None

class Solution:

def addTwoNumbers(self, l1: ListNode, l2: ListNode) -> ListNode:

stack1, stack2 = [], []

while l1:

stack1.append(l1.val)

l1 = l1.next

while l2:

stack2.append(l2.val)

l2 = l2.next

head = None

carry = 0

while stack1 or stack2 or carry:

temp\_sum = carry

if stack1:

temp\_sum += stack1.pop()

if stack2:

temp\_sum += stack2.pop()

add = temp\_sum % 10

carry = temp\_sum // 10

curr = ListNode(add)

curr.next = head

head = curr

return head