# Definition for singly-linked list.

# class ListNode:

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

# self.val = x

# self.next = None

class Solution:

# @param A : head node of linked list

# @param B : head node of linked list

# @return the head node in the linked list

def mergeTwoLists(self, A, B):

dummy\_node=temp=ListNode(0)

if A is None:

return B

if B is None:

return A

while A and B:

if A.val<B.val:

temp.next=A

A=A.next

else:

temp.next=B

B=B.next

temp=temp.next

if A:

temp.next=A

if B:

temp.next=B

return dummy\_node.next