# 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

# @return the head node in the linked list

def insertionSortList(self, A):

dummy\_head=ListNode(-1)

head=A

curr=head

while curr:

prev=dummy\_head

nextp=dummy\_head.next

while nextp:

if curr.val<nextp.val:

break

prev=prev.next

nextp=nextp.next

temp=curr.next

curr.next=nextp

prev.next=curr

curr=temp

return dummy\_head.next