**Data structures and Alogrithm Lab**

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**Lab task**

lass node:

  def \_init\_(self,data=None):

      self.data = data

      self.next= None

class linkdlist:

   def \_init\_(self):

     self.head= node()

   def append(self,data):

      new\_node=node(data)

      curr= self.head

      while curr.next!=None :

       curr= curr.next

      curr.next = new\_node

   def display(self):

     curr= self.head

     dis =[]

     while t.next!=None:

       curr=curr.next

       dis.append(curr.data)

     print(dis)

   def delete(self):

      curr= self.data

      while (curr.next.next):

       sec\_node = curr.next

      curr.next= None

   def length(self):

      count = 0

      curr= self.head

      while t.next!=None:

        count=count + 1

mylist = linkdlist()

mylist.append(1)

mylist.append(2)

mylist.append(3)

mylist.display()