Nama: Veny Fitriana Isnaini

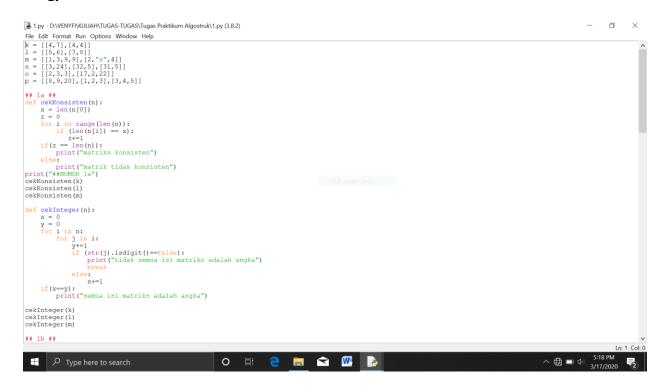
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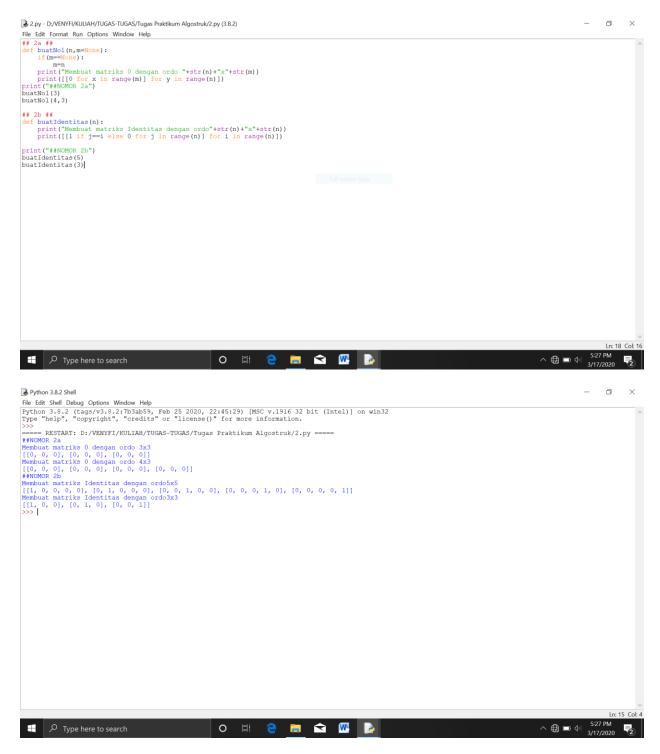
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## Modul 3

## Collections, Arrays, and Linked Structures

1.





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class Node:

def __init __(self, data):
    self.data = data
    self.next = None

class LinkedList:
    def __init __(self):
        self.head = None

def pushAwal(self, new data):
    new node = Node (new data)
    new node = Node (new data)
    new node = new node

def pushAwhir(self, data):
    if (self.head == None):
        self.head == Node (data)
    else:
    current = self.head
              self.head = Node(data)

else:
current = self.head
while (current.next != None):
current = current.next
current.next = Node(data)
return self.head
def tambah(self,data,pos):
node = Node(data)
if not self.head:
self.head = node
elif pos==0:
node.next = self.head
self.head = node
else:
prev = None
current pos = 0
while(current.pos < pos) and current.next:
prev = current
current = current.next
current pos +=1
prev.next = node
node.next = current
return self.head
def hapus(self, position):
if self.head = None:
return
temp = self.head
                                  return
temp = self.head
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temp = self.head
if position == 0:
    self.head = temp.next
    temp = None
    return
for i in range(position -1):
    temp = temp.next
    if temp is None:
        break
if temp is None:
    return
                                 if temp.next is None:
               if temp.next is None:
    return
    next = temp.next.next
    temp.next = None
    temp.next = next

def cari(self, x):
    current = self.head
    while current!= None:
        if current.data == x:
            return "True"
    current = current.next
    return "False"

def display(self):
    current = self.head
    while current is not None:
        print(current.data, end = ' ')
    current = current.next
   llist = LinkedList()
 llist = LinkedList()
llist.pushAwal(12)
llist.pushAwal(13)
llist.pushAwal(14)
llist.pushAwal(14)
llist.pushAwal(15)
llist.pushAwal(17)
llist.pushAwal(17)
llist.pushAwal(17)
llist.tambah(1,4)
print(llist.cari(13))
print(llist.cari(16))
llist.display()
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Ln: 83 Col: 15
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4.

