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NIM : L200180117

TUGAS: MODUL3

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া Thonny - C:\Users\ASUS\Documents\tugas 1.py @ 49 : 14
File Edit View Run Device Tools Help
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     1 x = [[12,7,3],
2 [4,5,6],
3 [1,3,4]]
     y = [[5,8,1],
[6,7,3],
[2,5,3]]
def cek(x):
              for i in range(len(x)):
    if len(x[0])==len(x[i]):
    10
11
12
13
14
15
16
                           print('error')
break
    17
18 cek(x)
   20 def tambah(x,y):
  Python 3.7.7 (bundled)
>>> %cd 'C:\Users\ASUS\Documents'
>>> %Run 'tugas 1.py'
   108 160 42
62 97 37
31 49 22
-2
  >>>
                                                                                                                                                                                                                            o
Thonny - C:\Users\ASUS\Documents\tugas 1.pv @ 23:47
File Edit View Run Device Tools Help
 tugas 1.py ×
   19
20 def tambah(x,y):
21 for i in range(len(x)):
22 for j in range(len(x[0])):
23 print(x[i][j] + y[i][j],end=' ')
   print()
                a=[]
for i in range(0, len(x)):
                   row = []
for j in range(0, len(x[0])):
                      total = 0

for z in range(0, len(x)):

total = total + (x[i][z] * y[z][j])
                    row.append(total)
a.append(row)
              for i in range(0, len(a)):
   for j in range(0, len(a[0])):
  Shell ×
Python 3.7.7 (bundled)
>>> %cd 'C:\Users\ASUS\Documents'
>>> %Run 'tugas 1.py'
    108 160 42
62 97 37
31 49 22
-2
   >>>
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                                                                                                                                                                                            o
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tugas 1.py ×
                  for j in range(0, len(x[0])):
   total = 0
   30
                        for z in range(0, len(x)):
    total = total + (x[i][z] * y[z][j])
   34
35
36
37
38
                       row.append(total)
                 a.append(row)
            for i in range(0, len(a)):
    for j in range(0, len(a[0])):
        print (a[i][j], end=' ')
   39
40
                   print ()
   41
42 kali(x,y)
43
   48 a=[[2,3],[4,5]]
49 determinan(a)
  Shell ×
  Python 3.7.7 (bundled)
>>> %cd 'C:\Users\ASUS\Documents'
>>> %Run 'tugas 1.py'
   108 160 42
62 97 37
31 49 22
-2
 >>>
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| Name |
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tugas 1.py \times | tugas 2.py \times | tugas 3.py \times
     1 class Node():
            def __init__(self,data,next=None):
    self.data=data
    self.udda

self.next=

5 #mencari data

6 def cari(head,x):

7 cnode=head

position=0
                    self.next=next
   9
              while cnode is not None:
                  position+=1
if cnode.data == x:
                         print(cnode.data," di posisi:",position)
                          break
                    else:
   15 cnode = cnode.next
16 class LinkedList:
  class Linkedlist:
def _init__(self):
self.head = None
menambah data menjadi head
def tambahHead(self, new_data):
```

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File Edit View Run Device Tools Help
 tugas 1.py \times tugas 2.py \times tugas 3.py \times
    # menambah data menjadi head
def tambahHead(self, new_data):
   20
                   new_node = Node(new_data)
                    new_node.next = self.head
self.head = new_node
   23 self.he
24 # menambah data
25 def tambah/
26 if (se
27 se
28 else:
29 cu
30 wh:
             def tambahAkhir(self, data):
    if (self.head == None):
        self.head = Node(data)
                       current = self.head
                         while (current.next != None):
    current = current.next
current.next = Node(data)
    32
33
34 #meng
                    return self.head
    35
36
37
              def hapusNode(self, position):
    if self.head == None:
                    return
temp = self.head
   38
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 File Edit View Run Device Tools Help
 tugas 1.py 	imes tugas 2.py 	imes tugas 3.py 	imes
    34 #mengahpus data
    35
36
               def hapusNode(self, position):
    if self.head == None:
                         return
                   temp = self.head
if position == 0:
    38
39
    40
                           self.head = temp.next
    41
42
                          temp = None
                  return

for i in range(position -1 ):
    temp = temp.next
    43
44
    45
46
47
                          if temp is None:
                             break
                   if temp is None:
    48
49
                    return
if temp.next is None:
                    return
next = temp.next.next
                     temp.next = None
                    temp.next = next
   53
```

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୍ୟି Thonny - C:\Users\ASUS\Documents\tugas 4.py @ 36 : 29
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tugas 1.py \times tugas 2.py \times tugas 3.py \times tugas 4.py
     1 class Node:
                def __init__(self, data):
    self.data = data
    self.prev = None
     class DoublyLinkedList:
def __init__(self):
self.head = None
def tambahawal(self,
               def __init__(self):
    self.head = None
def tambahawal(self, x):
    new = Node(x)
   10
11
12
13
14
15
16
17
                      new.next = self.head
if self.head is not None:
                      self.head.prev = new
self.head = new
                def tambahakhir(self, x):
                       new = Node(x)
                       new.next = None
                      if self.head is None:
    18
19
                            new.prev = None
self.head = new
                             return
```