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Kelas: E

# Latihan:

## Soal nomor 1:

## Soal nomoer 2:

# Soal nomer 3:

```
Python 3.7.6 Shell
                                                                                                                *modeul3.py - C:/Users/LABSI-19/Documents/modeul3.py (3.7.6)*
 File Edit Shell Debug Options Window Help
                                                                                                                 File Edit Format Run Options Window Help
                                                                                                                         Node(object):

ef __init__(self, data, next=None):
    self.data = data
    self.next = next
 >>> print(a.next.next.data)
                                                                                                                 ##def kunjungi(head):
## curNode = head
## while curNode is not None:
               ==== RESTART: C:/Users/LABSI-19/Documents/modeul3.pv =
 >>>
               ===== RESTART: C:/Users/LABSI-19/Documents/modeul3.py ======
                                                                                                                              print(curNode.data)
curNode = curNode.next
 ---- RLD:ANT: C:/Users/LABSI-19/D
<__main__.Node object at 0x0000000002F649C8>
52
                                                                                                                 a = Node(11)
b = Node(52)
c = Node(18)
     ceback (most recent call last):
ile "C:/Users/LABSI-19/Documents/modeul3.py", line 24, in <module>
  kunjungi(a)
VameError: name 'kunjungi' is not defined
                                                                                                                  a.next = b
b.next = c
 print(a.next)
                                                                                                                  print(a.next.data)
print(a.next.next.data)
  oraceback (most recent call last):
File "C:/Users/LABSI-19/Documents/modeul3.py", line 24, in <module>
 kunjungi( a )
NameError: name 'kunjungi' is not defined
 ##class DNode(object):
## def __init__(self, data):
## self.data = data
## self.next = None
## self.prev = None
 Traceback (most recent call last):
File "C:/Users/LABSI-19/Documents/modeul3.py", line 23, in <module>
 NameError: name 'kunjungi' is not defined
 Traceback (most recent call last):

File "C:/Users/LABSI-19/Documents/modeul3.py" -----
Traceback (most recent call last):
 kunjungi(a)
NameError: name 'kunjungi' is not defined
 >>> ======= RESTART: C:/Users/LABSI-19/Documents/modeul3.py =====
                                                                                                                                                                                                                  Ln: 25 Col: 0
```

#### Soal nomer 4:

```
Python 3.7.6 Shell
                                                                                                                                 *modeul3.py - C:/Users/LABSI-19/Documents/modeul3.py (3.7.6)*
                                                                                                                                 File Edit Format Run Options Window Help
 Python 3.7.6 (tags/v3.7.6:43364a7ae0, Dec 19 2019, 00:42:30) [MSC v.1916 64 bit
                                                                                                                                  ##class Node(object):
                                                                                                                                          def __init__(self, data, next=None):
    self.data = data
    self.next = next
 (AMD64)) on win32

Type "help", "copyright", "credits" or "license()" for more information.

>>> A = [[2,3], [5,7]]

>>> A[0][1]
                                                                                                                                  def kunjungi(head):
    curNode = head
    while curNode is not None:
        print(curNode.data)
        curNode = curNode.next
  >>> a[1][1]
  Traceback (most recent call last):

File "cpyshell#2>", line 1, in <module>
a[1][1]
ImmErvent
                 name 'a' is not defined
  >>> A[1][1]
                                                                                                                                 a = Node(11)
b = Node(52)
c = Node(18)
 >>> B = [[0 for j in range(3)] for i in range(3)]
  [[0, 0, 0], [0, 0, 0], [0, 0, 0]]
>>>
      >>> a = Node(11)
>>> b = Node(52)
>>> c = Node(18)
>>> a.next = b
>>> b.next = c
                                                                                                                                 print(a.next)
print(a.next.data)
print(a.next.next.data)
  >>> print(a.data)
                                                                                                                                  kunjungi(a)
  >>> print(a.next.data)
                                                                                                                                 ##class DNode(object):
## def __init__(sel
                                                                                                                                       def __init__(self, data):
    self.data = data
    self.next = None
    self.prev = None
  >>> print(a.next.next.data)
            ====== RESTART: C:/Users/LABSI-19/Documents/modeul3.py ======
```

#### Soal nomer 5:

```
Python 3.7.6 Shell
                                                                                                                 🗽 *modeul3.py - C:/Users/LABSI-19/Documents/modeul3.py (3.7.6)*
 File Edit Shell Debug Options Window Help
                                                                                                                  File Edit Format Run Options Window Help
                                                                                                                            code(object):
    _init__(self, data, next=None):
    self.data = data
    self.next = next
                    = RESTART: C:/Users/LABSI-19/Documents/modeul3.py ==
  Traceback (most recent call last):
File "C:/Users/LABSI-19/Documents/modeul3.py", line 18, in <module>
                                                                                                                  ##def kunjungi(head):
## curNode = head
                                                                                                                         while curNode is not None:
  NameError: name 'Node' is not defined
                                                                                                                              print(curNode.data)
curNode = curNode.next
                ===== RESTART: C:/Users/LABSI-19/Documents/modeul3.py ======
                                                                                                                         DNode(object):
ef __init__(self, data):
    self.data = data
    self.next = None
    self.prev = None
  <__main__.DNode object at 0x0000000002FA4B08>
                                                                                                                    = Node (11)
                                                                                                                 b = Node (52)
c = Node (18)
                 ==== RESTART: C:/Users/LABSI-19/Documents/modeul3.pv =======
                                                                                                                 print(a.next)
print(a.next.data)
print(a.next.next.data)
```

## Tugas:

#### Nomer 1:

```
Python 3.8.2 Shell
File Edit Shell Debug Options Window Help
Python 3.8.2 (tags/v3.8.2:7b3ab59, Feb 25 2020, 23:03:10) [MSC v.1916 64 bit (A
MD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
==== RESTART: E:\MRRS\Latihan Python\Kuliah AlgoStruk\modul3\matriks1.py ====
>>> m1 = [[2,3],[3,2]]
>>> m2 = [[3,2],[2,3]]
>>> cekMatriks(m1)
>>> ambilMatriks(m2)
3 2 2 3
Ukuran matriks = 2 \times 2
>>> jumlah(m1,m2)
Hasil tambah dari matriks [[2, 3], [3, 2]] dan [[3, 2], [2, 3]] adalah
[5, 5, 5, 5]
>>> kali(m1,m2)
Hasil kali dari matriks [[2, 3], [3, 2]] dan [[3, 2], [2, 3]] adalah
[12, 13, 13, 12]
>>> determinan(m1)
Hasil determinan dari [[2, 3], [3, 2]] adalah
```

## Nomer 2:

```
>>> buatNol(2,2)
[[0, 0], [0, 0]]
>>> buatNol1(3)
[[0, 0, 0], [0, 0, 0], [0, 0, 0]]
>>> buatIdentitas(3)
[[1, 0, 0], [0, 1, 0], [0, 0, 1]]
```

## Nomer 3:

```
>>> lk = linkedList()
>>> lk.tambahAkhir(11)
>>> lk.tambahAkhir(12)
>>> lk.tambahAkhir(13)
>>> lk.cetak()
11
12
>>> lk.tambahDepan(10)
>>> lk.cetak()
10
11
12
13
>>> lk.hapus(12)
>>> lk.cetak()
10
11
13
>>> lk.tambah(lk.head.next,12)
>>> lk.cetak()
10
11
12
13
```

## Nomer 4:

```
>>> db = doublell()
>>> db.simpulAkhir(11)
>>> db.simpulAkhir(12)
>>> db.simpulAkhir(13)
>>> db.cetak(db.head)
Dari Depan
 11
 12
 13
Dari Belakang
 13
  12
  11
>>> db.simpulAwal(10)
>>> db.cetak(db.head)
Dari Depan
 10
 11
 12
 13
Dari Belakang
  13
  12
  11
  10
```