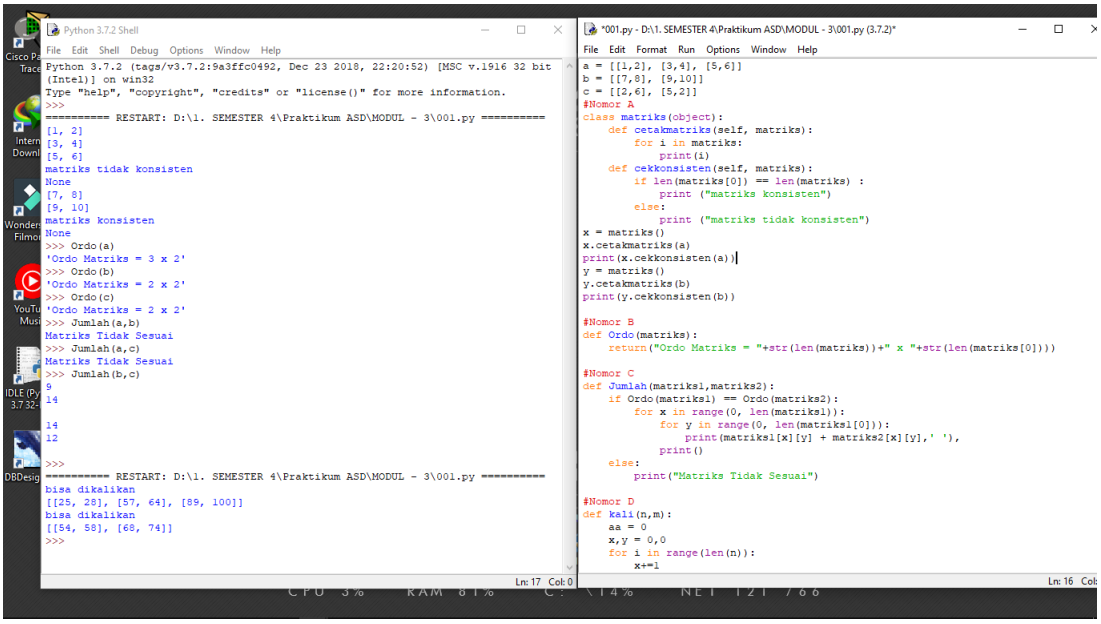
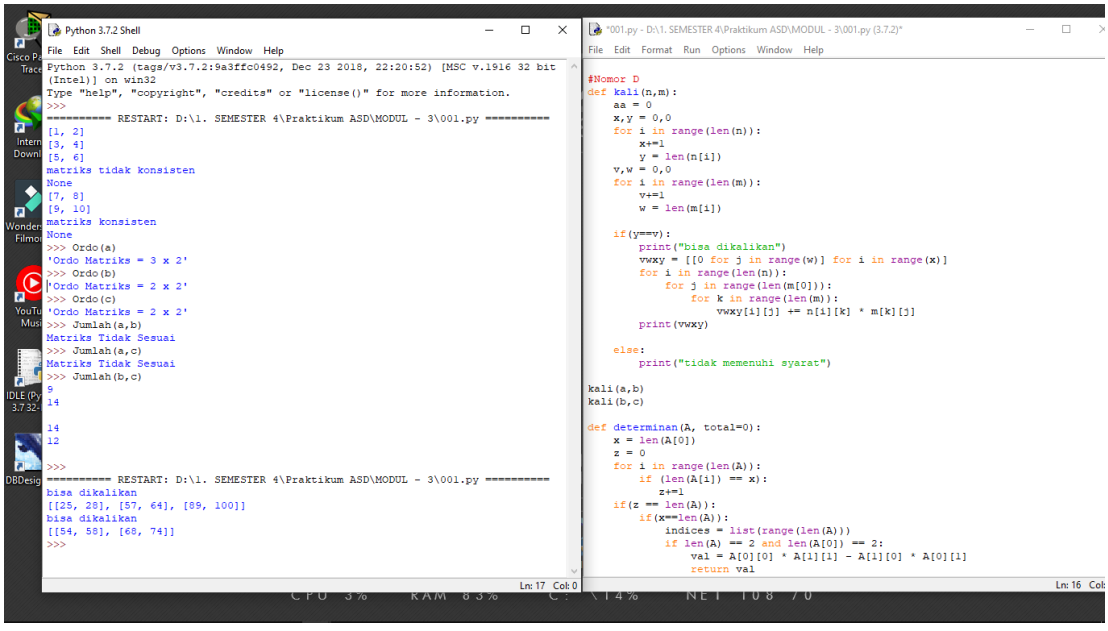
Nama : Bachtiar Nuhri Kurniawan

Nim : L200180031

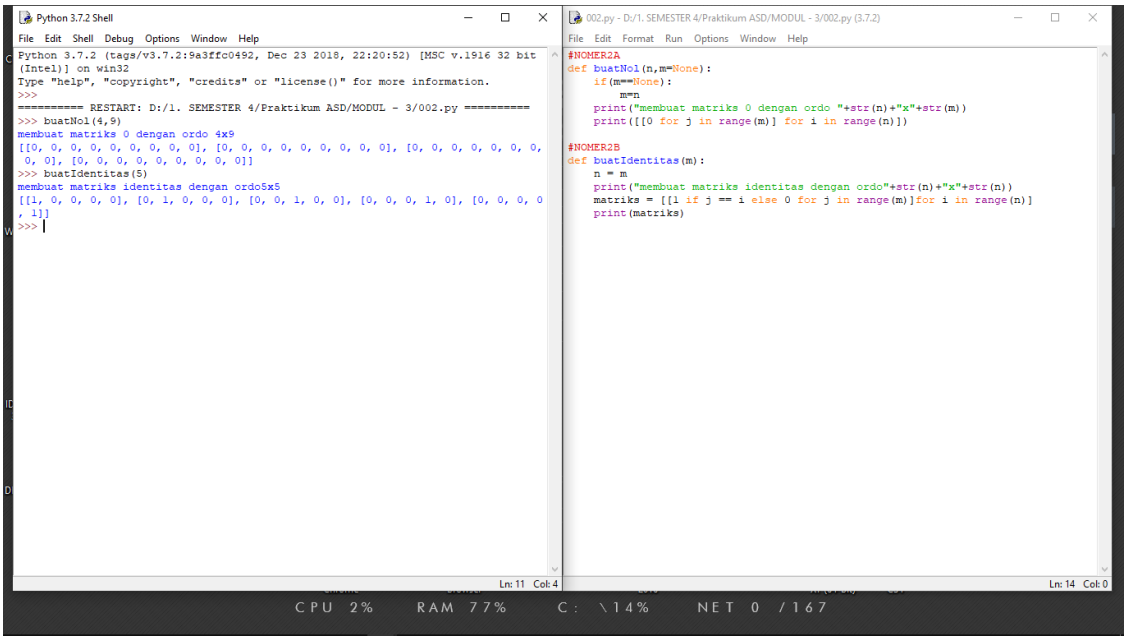
Kelas :B

1. Nomer 1

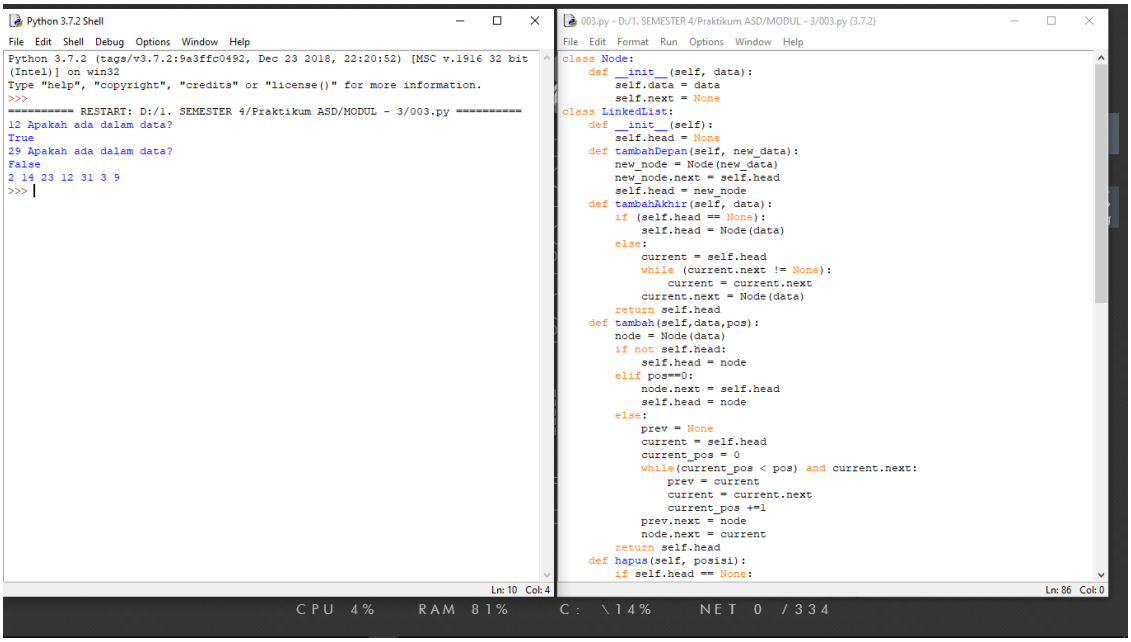


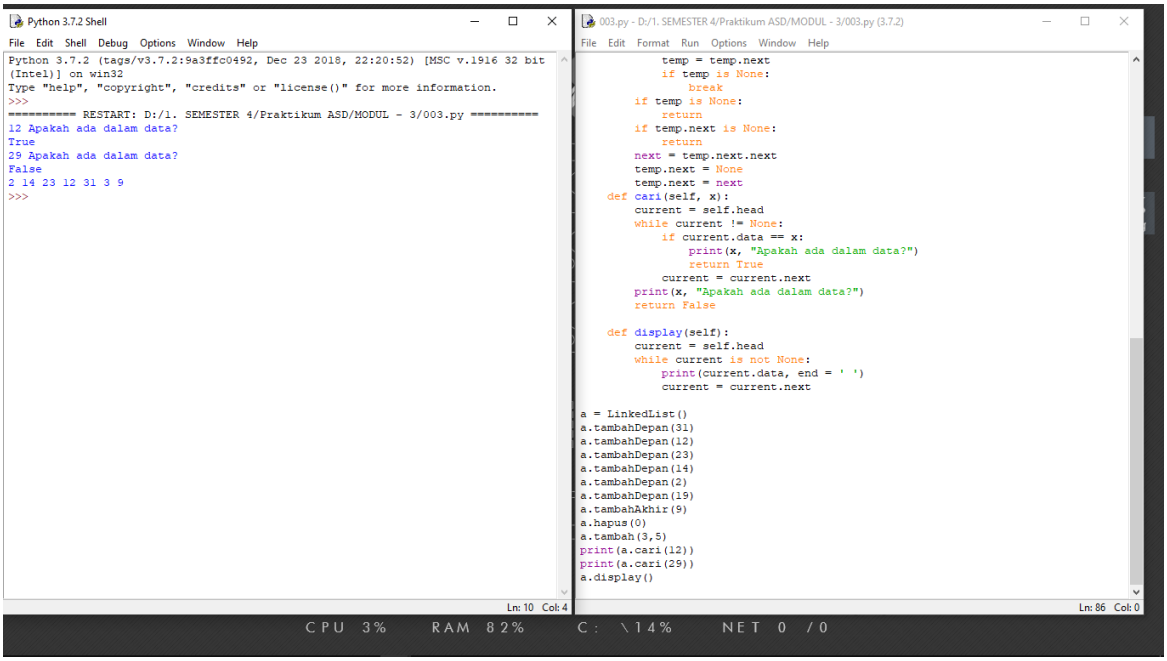


2. Nomer 2

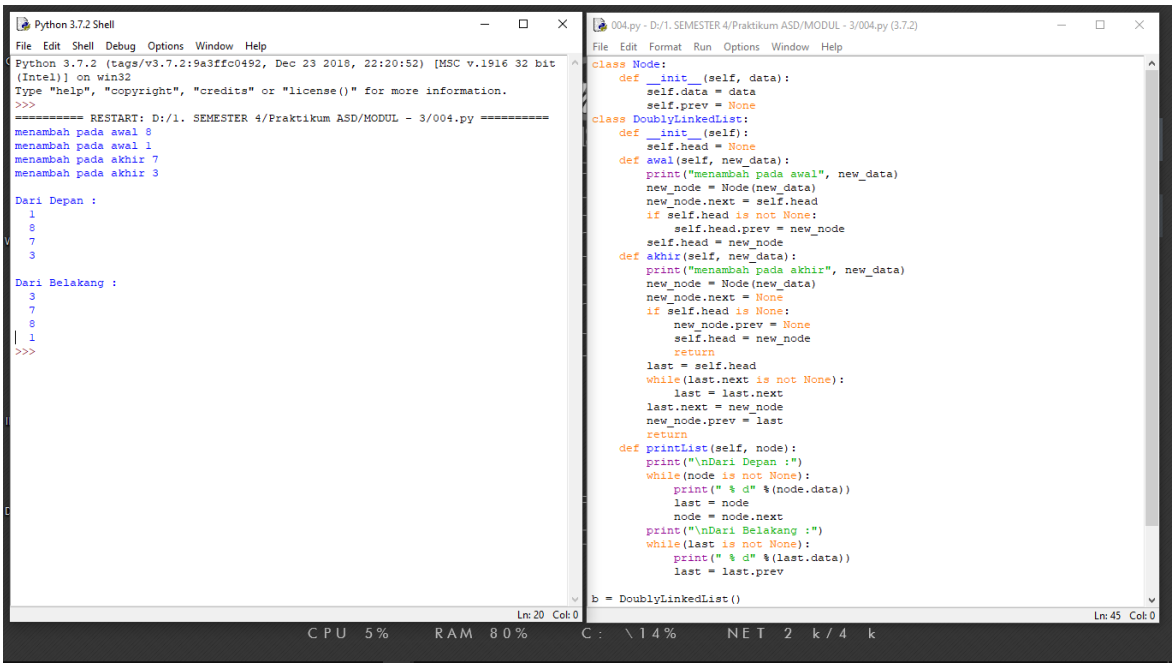


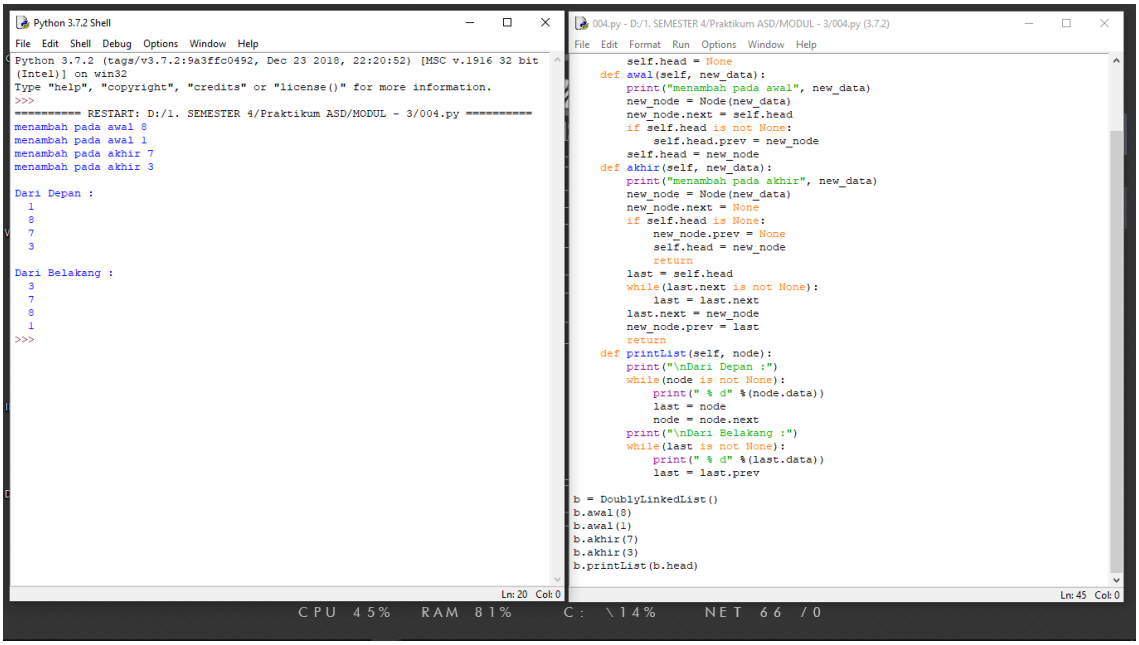
3. Nomer 3




Python 3.7.2 Shell
File Edit Shell Debug Options Window Help
Python 3.7.2 (tags/v3.7.2:9a3ffc0492, Dec 23 2018, 22:20:52) [MSC v.1916 32 bit (Intel)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
========== RESTART: D:/1. SEMESTER 4/Praktikum ASD/MODUL - 3/003.py ==========
12 Apakah ada dalam data?
True
29 Apakah ada dalam data?
False
2 14 23 12 31 3 9
>>>
Ln: 10 Col: 4
003.py - D:/1. SEMESTER 4/Praktikum ASD/MODUL - 3/003.py (3.7.2)
File Edit Format Run Options Window Help
temp = temp.next
if temp is None:
break
if temp is None:
return
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:
print(x, "Apakah ada dalam data?")
return True
current = current.next
print(x, "Apakah ada dalam data?")
return False
def display(self):
current = self.head
while current is not None:
print(current.data, end = ' ')
current = current.next
a = LinkedList()
a.tambahDepan(31)
a.tambahDepan(12)
a.tambahDepan(23)
a.tambahDepan(14)
a.tambahDepan(2)
a.tambahDepan(19)
a.tambahAkhir(9)
a.hapus(0)
a.tambah(3,5)
print(a.cari(12))
print(a.cari(29))
a.display()
Ln: 86 Col: 0
CPU 3% RAM 82% C: \14% NET 0 /0

4. Nomer 4


Python 3.7.2 Shell
File Edit Shell Debug Options Window Help
Python 3.7.2 (tags/v3.7.2:9a3ffc0492, Dec 23 2018, 22:20:52) [MSC v.1916 32 bit (Intel)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
========== RESTART: D:/1. SEMESTER 4/Praktikum ASD/MODUL - 3/004.py ==========
menambah pada awal 8
menambah pada awal 1
menambah pada akhir 7
menambah pada akhir 3
Dari Depan :
1
8
7
3
Dari Belakang :
3
7
8
1
>>>
Ln: 20 Col: 0
004.py - D:/1. SEMESTER 4/Praktikum ASD/MODUL - 3/004.py (3.7.2)
File Edit Format Run Options Window Help
class Node:
def __init__(self, data):
self.data = data
self.prev = None
class DoublyLinkedList:
def __init__(self):
self.head = None
def awal(self, new_data):
print("menambah pada awal", new_data)
new_node = Node(new_data)
new_node.next = self.head
if self.head is not None:
self.head.prev = new_node
self.head = new_node
def akhir(self, new_data):
print("menambah pada akhir", new_data)
new_node = Node(new_data)
new_node.next = None
if self.head is None:
new_node.prev = None
self.head = new_node
return
last = self.head
while(last.next is not None):
last = last.next
last.next = new_node
new_node.prev = last
return
def printList(self, node):
print("\nDari Depan :")
while(node is not None):
print(" % d" %(node.data))
last = node
node = node.next
print("\nDari Belakang :")
while(last is not None):
print(" % d" %(last.data))
last = last.prev
b = DoublyLinkedList()
Ln: 45 Col: 0
CPU 5% RAM 80% C: \14% NET 2 k/4 k


Python 3.7.2 Shell
File Edit Shell Debug Options Window Help
Python 3.7.2 (tags/v3.7.2:9a3ffc0492, Dec 23 2018, 22:20:52) [MSC v.1916 32 bit (Intel)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
========== RESTART: D:/1. SEMESTER 4/Praktikum ASD/MODUL - 3/004.py ==========
menambah pada awal 8
menambah pada awal 1
menambah pada akhir 7
menambah pada akhir 3
Dari Depan :
1
8
7
3
Dari Belakang :
3
7
8
1
>>>
Ln: 20 Col: 0
004.py - D:/1. SEMESTER 4/Praktikum ASD/MODUL - 3/004.py (3.7.2)
File Edit Format Run Options Window Help
self.head = None
def awal(self, new_data):
print("menambah pada awal", new_data)
new_node = Node(new_data)
new_node.next = self.head
if self.head is not None:
self.head.prev = new_node
self.head = new_node
def akhir(self, new_data):
print("menambah pada akhir", new_data)
new_node = Node(new_data)
new_node.next = None
if self.head is None:
new_node.prev = None
self.head = new_node
return
last = self.head
while(last.next is not None):
last = last.next
last.next = new_node
new_node.prev = last
return
def printList(self, node):
print("\nDari Depan :")
while(node is not None):
print(" % d" %(node.data))
last = node
node = node.next
print("\nDari Belakang :")
while(last is not None):
print(" % d" %(last.data))
last = last.prev
b = DoublyLinkedList()
b.awal(8)
b.awal(1)
b.akhir(7)
b.akhir(3)
b.printList(b.head)
Ln: 45 Col: 0
CPU 45% RAM 81% C: \14% NET 66 /0