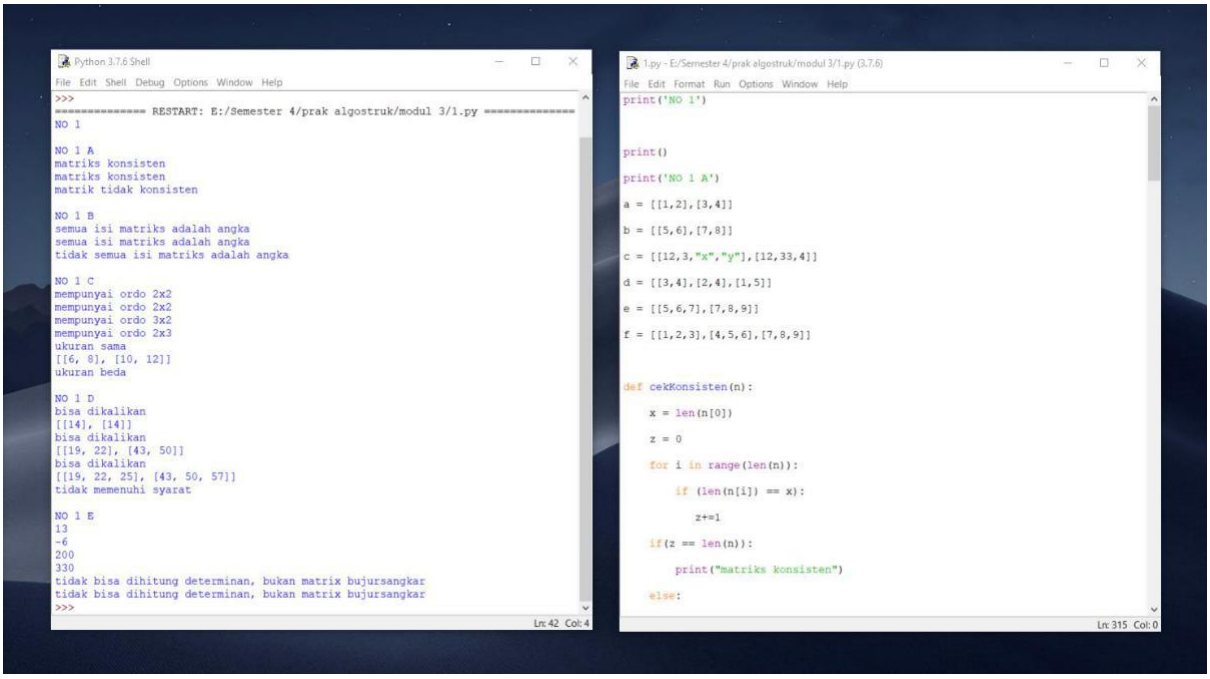
Nama : Fawwaz Haidar A.K

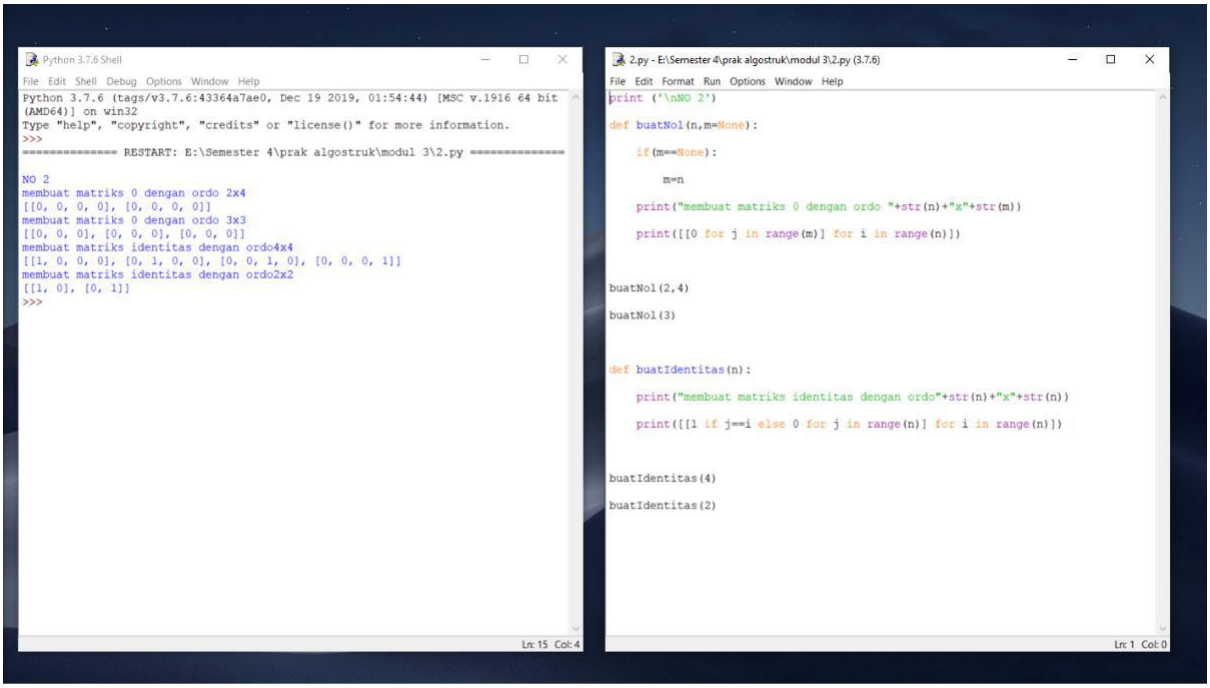
NIM : L200183143

MODUL 3

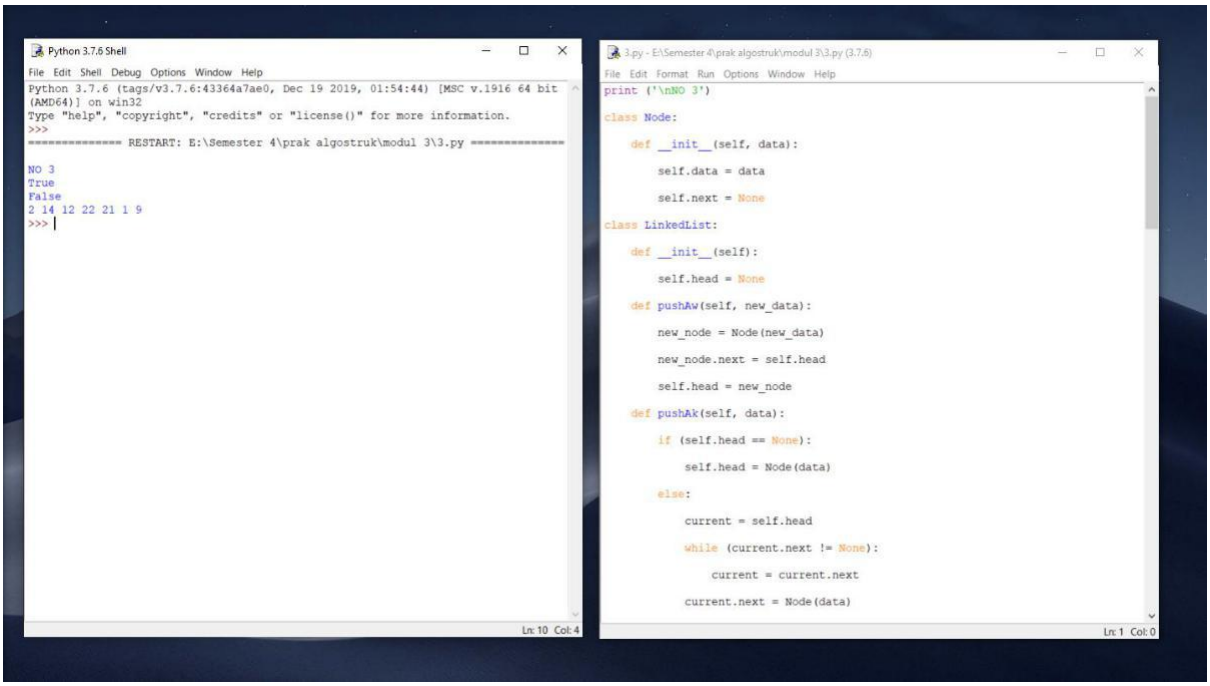
1.



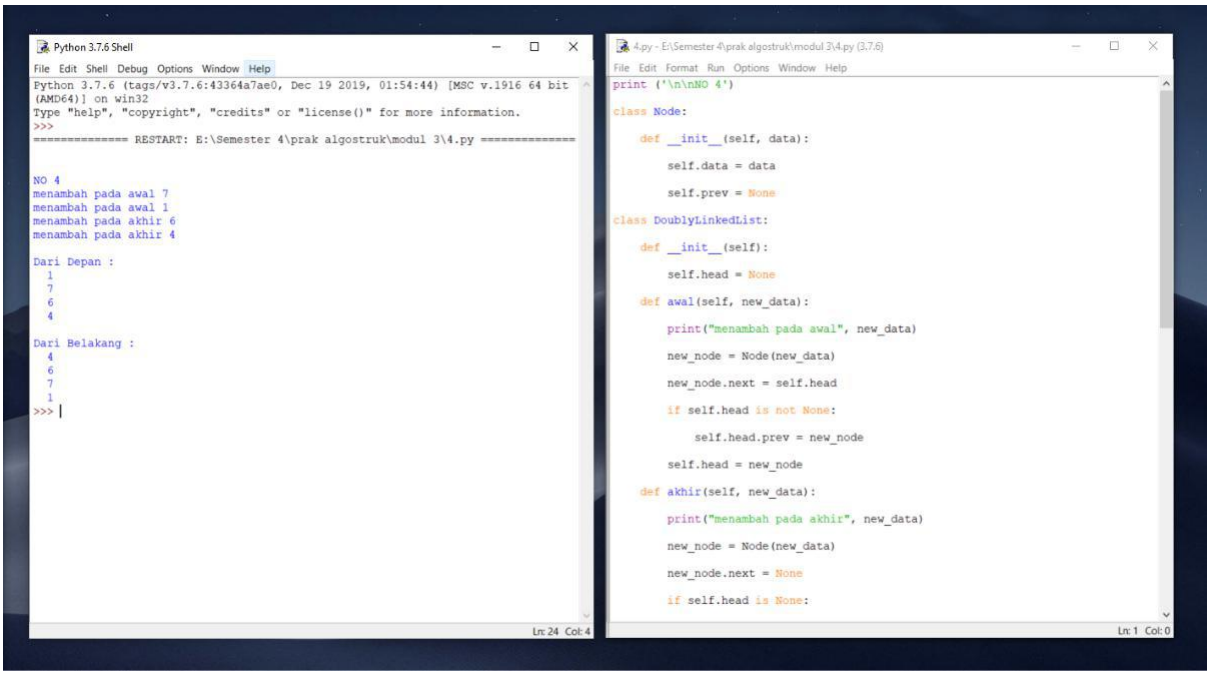
2.



3.


Python 3.7.6 Shell
File Edit Shell Debug Options Window Help
Python 3.7.6 (tags/v3.7.6:43364a7ae0, Dec 19 2019, 01:54:44) [MSC v.1916 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
========== RESTART: E:\Semester 4\prak algostruk\modul 3\3.py ==========
NO 3
True
False
2 14 12 22 21 1 9
>>>
Ln: 10 Col: 4
3.py - E:\Semester 4\prak algostruk\modul 3\3.py (3.7.6)
File Edit Format Run Options Window Help
print ('\nNO 3')
class Node:
def __init__(self, data):
self.data = data
self.next = None
class LinkedList:
def __init__(self):
self.head = None
def pushAw(self, new_data):
new_node = Node(new_data)
new_node.next = self.head
self.head = new_node
def pushAk(self, data):
if (self.head == None):
self.head = Node(data)
else:
current = self.head
while (current.next != None):
current = current.next
current.next = Node(data)
Ln: 1 Col: 0

4.


Python 3.7.6 Shell
File Edit Shell Debug Options Window Help
Python 3.7.6 (tags/v3.7.6:43364a7ae0, Dec 19 2019, 01:54:44) [MSC v.1916 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
========== RESTART: E:\Semester 4\prak algostruk\modul 3\4.py ==========
NO 4
menambah pada awal 7
menambah pada awal 1
menambah pada akhir 6
menambah pada akhir 4
Dari Depan :
1
7
6
4
Dari Belakang :
4
6
7
1
>>>
Ln: 24 Col: 4
4.py - E:\Semester 4\prak algostruk\modul 3\4.py (3.7.6)
File Edit Format Run Options Window Help
print ('\n\nNO 4')
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:
Ln: 1 Col: 0