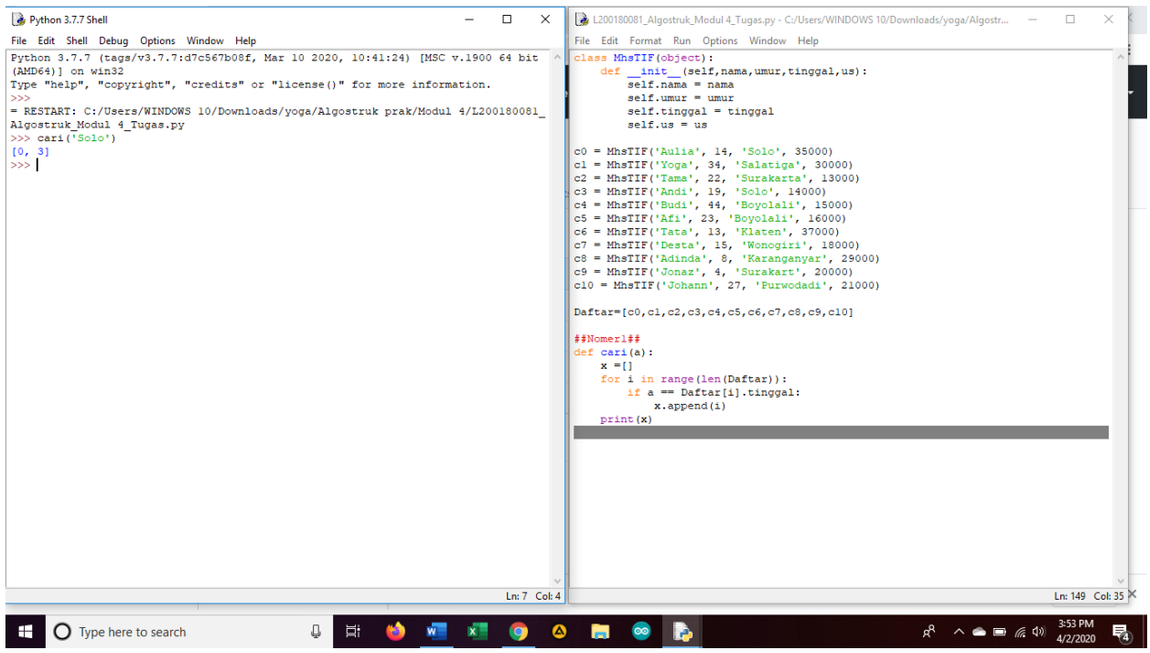
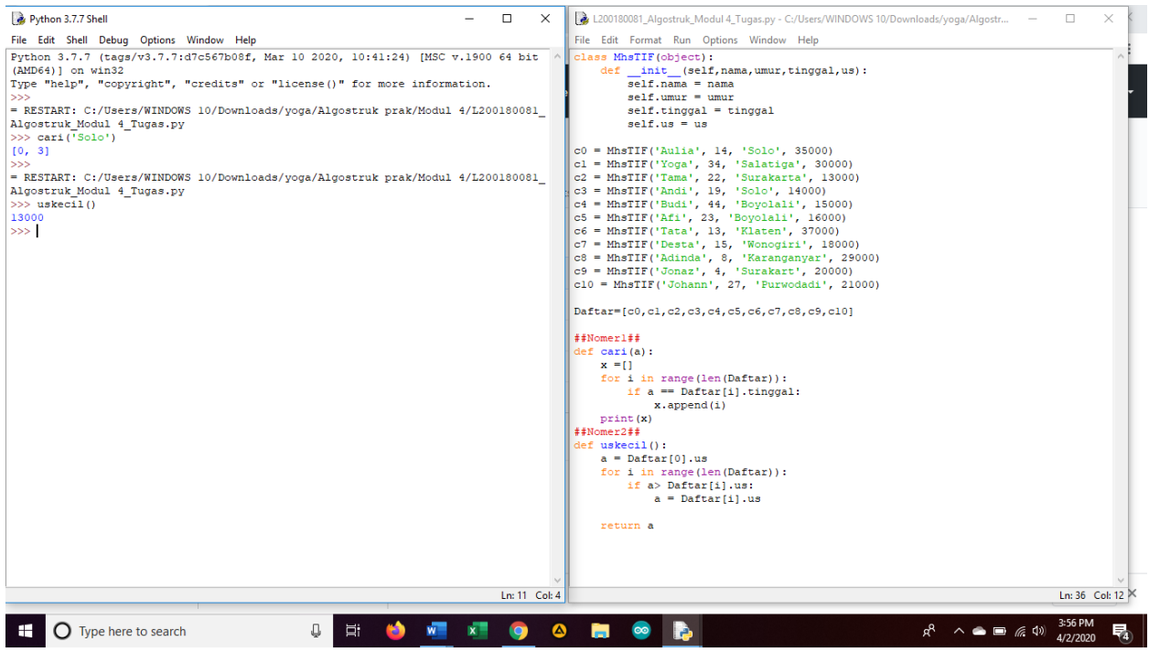
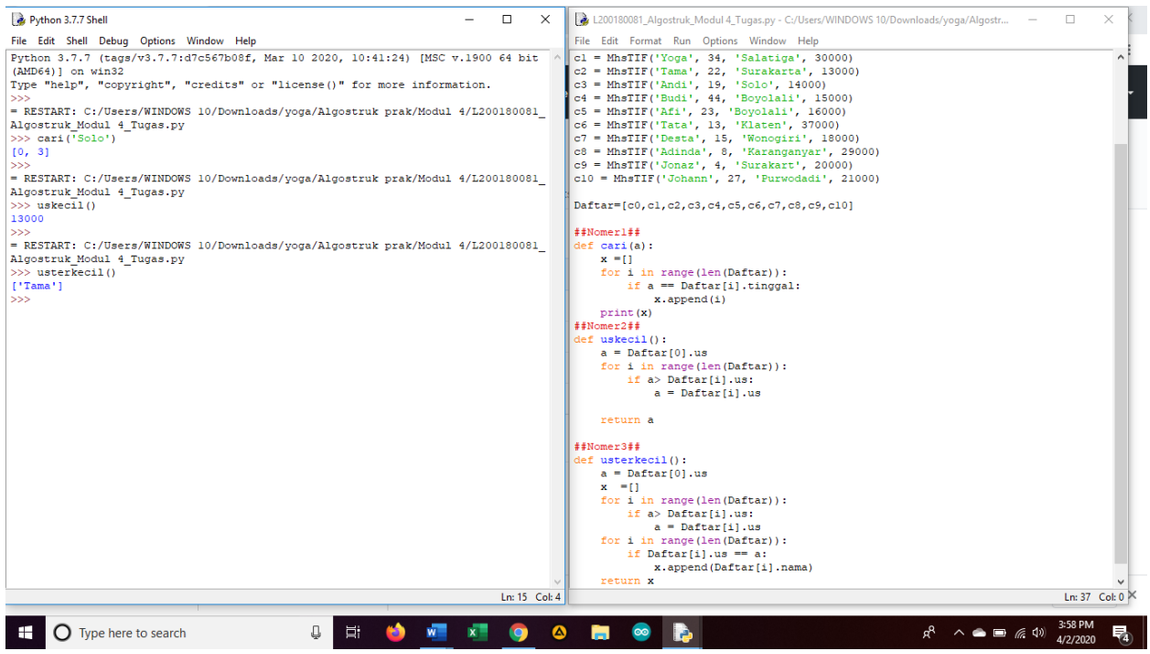
Nama : Aulia Yogatama

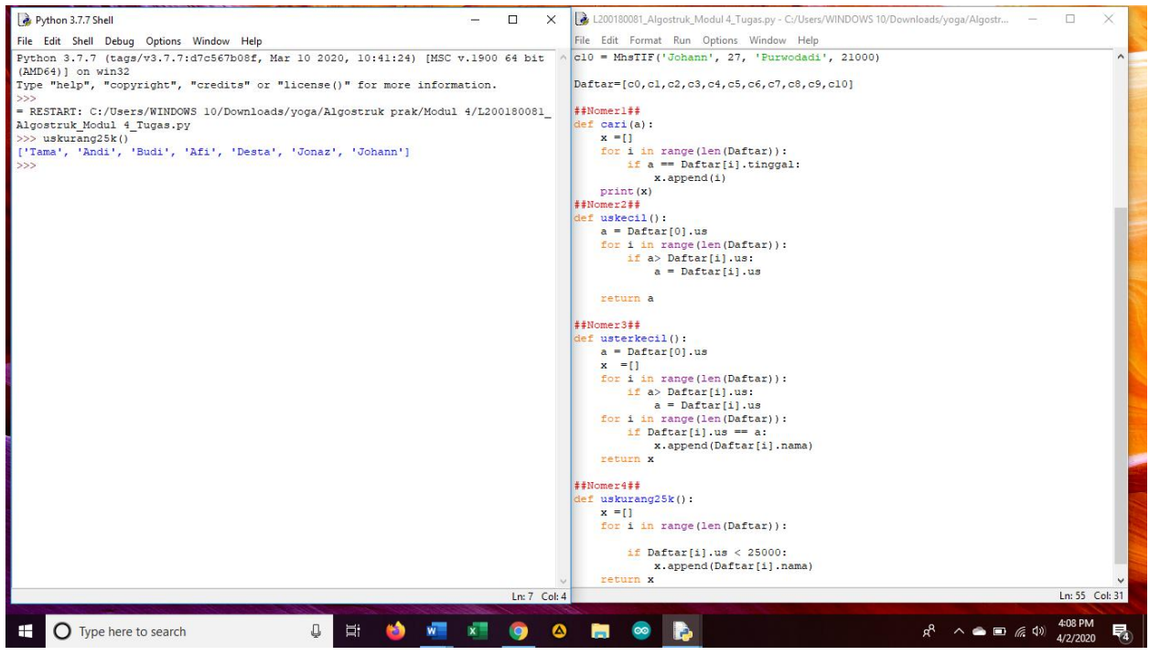
NIM : L200180081

Kelas : C




Python 3.7.7 Shell
File Edit Shell Debug Options Window Help
Python 3.7.7 (tags/v3.7.7:d7c567b08f, Mar 10 2020, 10:41:24) [MSC v.1900 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
= RESTART: C:/Users/WINDOWS 10/Downloads/yoga/Algostruk prak/Modul 4/L200180081_Algostruk_Modul 4_Tugas.py
>>> cari('Solo')
[0, 3]
>>>
= RESTART: C:/Users/WINDOWS 10/Downloads/yoga/Algostruk prak/Modul 4/L200180081_Algostruk_Modul 4_Tugas.py
>>> uskecil()
13000
>>>
= RESTART: C:/Users/WINDOWS 10/Downloads/yoga/Algostruk prak/Modul 4/L200180081_Algostruk_Modul 4_Tugas.py
>>> usterkecil()
['Tama']
>>>
Ln: 15 Col: 4
L200180081_Algostruk_Modul 4_Tugas.py - C:/Users/WINDOWS 10/Downloads/yoga/Algostr...
File Edit Format Run Options Window Help
c1 = MhsTIF('Yoga', 34, 'Salatiga', 30000)
c2 = MhsTIF('Tama', 22, 'Surakarta', 13000)
c3 = MhsTIF('Andi', 19, 'Solo', 14000)
c4 = MhsTIF('Budi', 44, 'Boyolali', 15000)
c5 = MhsTIF('Afi', 23, 'Boyolali', 16000)
c6 = MhsTIF('Tata', 13, 'Klaten', 37000)
c7 = MhsTIF('Desta', 15, 'Wonogiri', 18000)
c8 = MhsTIF('Adinda', 8, 'Karanganyar', 29000)
c9 = MhsTIF('Jonaz', 4, 'Surakarti', 20000)
c10 = MhsTIF('Johann', 27, 'Purwodadi', 21000)
Daftar=[c0,c1,c2,c3,c4,c5,c6,c7,c8,c9,c10]
##Nomer1##
def cari(a):
x =[]
for i in range(len(Daftar)):
if a == Daftar[i].tinggal:
x.append(i)
print(x)
##Nomer2##
def uskecil():
a = Daftar[0].us
for i in range(len(Daftar)):
if a> Daftar[i].us:
a = Daftar[i].us
return a
##Nomer3##
def usterkecil():
a = Daftar[0].us
x =[]
for i in range(len(Daftar)):
if a> Daftar[i].us:
a = Daftar[i].us
for i in range(len(Daftar)):
if Daftar[i].us == a:
x.append(Daftar[i].nama)
return x
Ln: 37 Col: 0
Type here to search
3:58 PM
4/2/2020


Python 3.7.7 Shell
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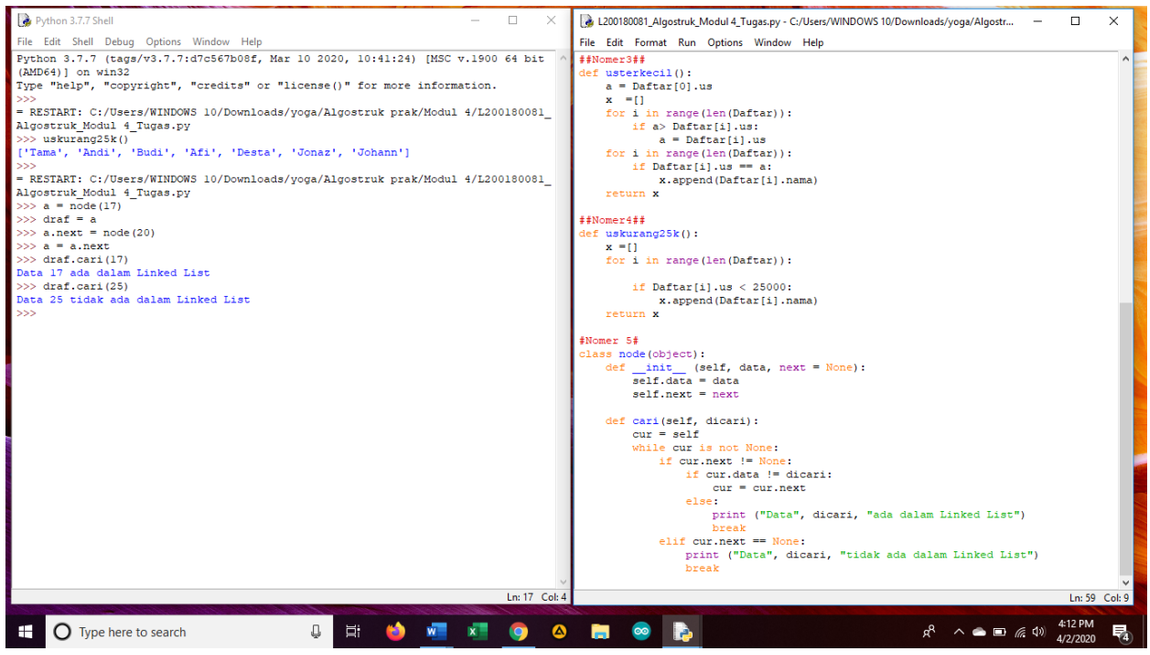
>>>
= RESTART: C:/Users/WINDOWS 10/Downloads/yoga/Algostruk prak/Modul 4/L200180081_Algostruk_Modul 4_Tugas.py
>>> uskurang25k()
['Tama', 'Andi', 'Budi', 'Afi', 'Desta', 'Jonaz', 'Johann']
>>>
Ln: 7 Col: 4
L200180081_Algostruk_Modul 4_Tugas.py - C:/Users/WINDOWS 10/Downloads/yoga/Algostr...
File Edit Format Run Options Window Help
c10 = MhsTIF('Johann', 27, 'Purwodadi', 21000)
Daftar=[c0,c1,c2,c3,c4,c5,c6,c7,c8,c9,c10]
##Nomer1##
def cari(a):
x =[]
for i in range(len(Daftar)):
if a == Daftar[i].tinggal:
x.append(i)
print(x)
##Nomer2##
def uskecil():
a = Daftar[0].us
for i in range(len(Daftar)):
if a> Daftar[i].us:
a = Daftar[i].us
return a
##Nomer3##
def usterkecil():
a = Daftar[0].us
x =[]
for i in range(len(Daftar)):
if a> Daftar[i].us:
a = Daftar[i].us
for i in range(len(Daftar)):
if Daftar[i].us == a:
x.append(Daftar[i].nama)
return x
##Nomer4##
def uskurang25k():
x =[]
for i in range(len(Daftar)):
if Daftar[i].us < 25000:
x.append(Daftar[i].nama)
return x
Ln: 55 Col: 31
Type here to search
4:08 PM
4/2/2020


Python 3.7.7 Shell
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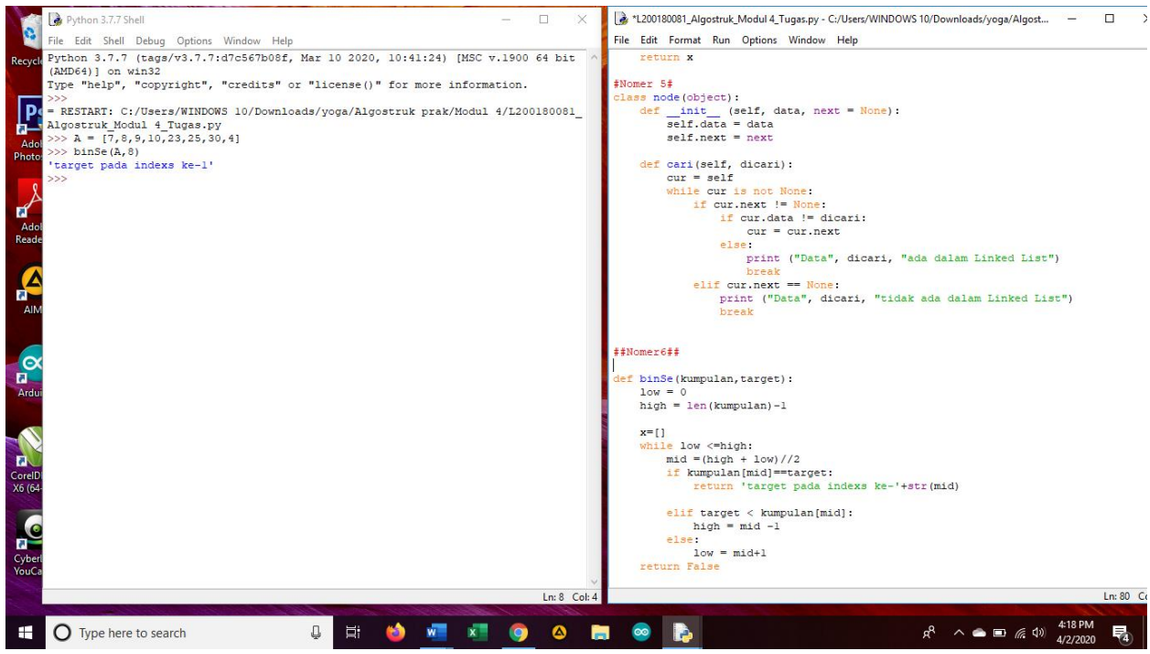
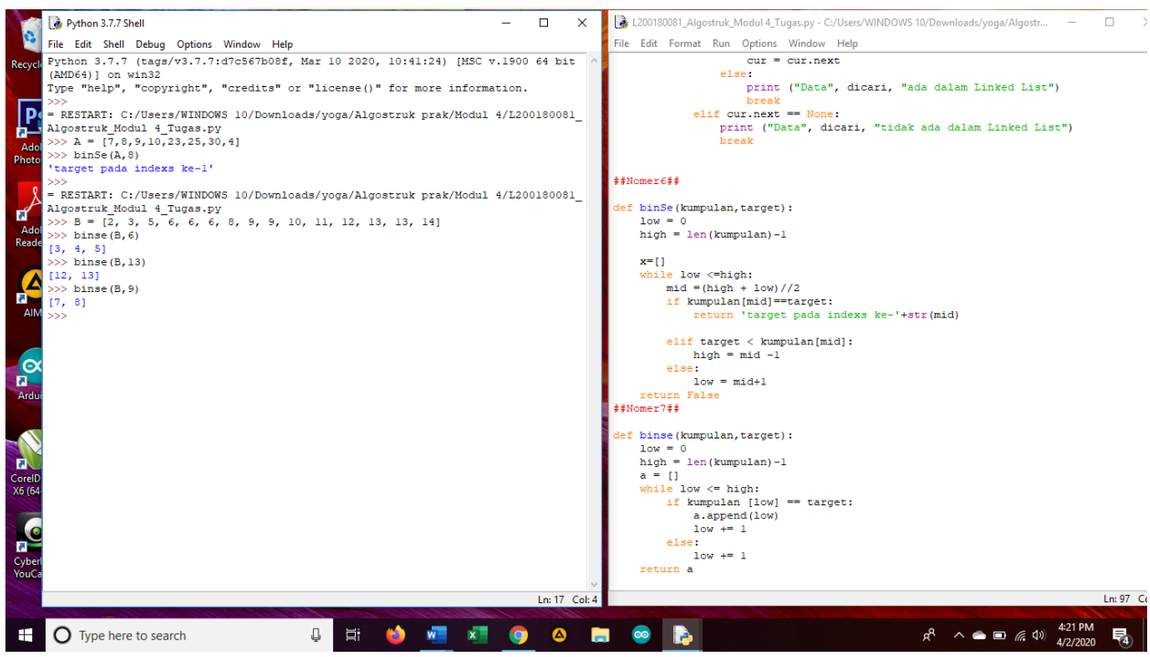
>>>
= RESTART: C:/Users/WINDOWS 10/Downloads/yoga/Algostruk prak/Modul 4/L200180081_Algostruk_Modul 4_Tugas.py
>>> uskurang25k()
['Tama', 'Andi', 'Budi', 'Afi', 'Desta', 'Jonaz', 'Johann']
>>>
= RESTART: C:/Users/WINDOWS 10/Downloads/yoga/Algostruk prak/Modul 4/L200180081_Algostruk_Modul 4_Tugas.py
>>> a = node(17)
>>> draf = a
>>> a.next = node(20)
>>> a = a.next
>>> draf.cari(17)
Data 17 ada dalam Linked List
>>> draf.cari(25)
Data 25 tidak ada dalam Linked List
>>>
Ln: 17 Col: 4
L200180081_Algostruk_Modul 4_Tugas.py - C:/Users/WINDOWS 10/Downloads/yoga/Algostr...
File Edit Format Run Options Window Help
##Nomer3##
def usterkecil():
a = Daftar[0].us
x =[]
for i in range(len(Daftar)):
if a> Daftar[i].us:
a = Daftar[i].us
for i in range(len(Daftar)):
if Daftar[i].us == a:
x.append(Daftar[i].nama)
return x
##Nomer4##
def uskurang25k():
x =[]
for i in range(len(Daftar)):
if Daftar[i].us < 25000:
x.append(Daftar[i].nama)
return x
#Nomer 5#
class node(object):
def __init__ (self, data, next = None):
self.data = data
self.next = next
def cari(self, dicari):
cur = self
while cur is not None:
if cur.next != None:
if cur.data != dicari:
cur = cur.next
else:
print ("Data", dicari, "ada dalam Linked List")
break
elif cur.next == None:
print ("Data", dicari, "tidak ada dalam Linked List")
break
Ln: 59 Col: 9
Type here to search
4:12 PM
4/2/2020


Python 3.7.7 Shell
File Edit Shell Debug Options Window Help
Python 3.7.7 (tags/v3.7.7:d7c567b08f, Mar 10 2020, 10:41:24) [MSC v.1900 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
= RESTART: C:/Users/WINDOWS 10/Downloads/yoga/Algostruk prak/Modul 4/L200180081_Algostruk_Modul 4_Tugas.py
>>> A = [7,8,9,10,23,25,30,4]
>>> binSe(A,8)
'target pada indexs ke-1'
>>>
Ln: 8 Col: 4
*L200180081_Algostruk_Modul 4_Tugas.py - C:/Users/WINDOWS 10/Downloads/yoga/Algost...
File Edit Format Run Options Window Help
return x
#Nomer 5#
class node(object):
def __init__ (self, data, next = None):
self.data = data
self.next = next
def cari(self, dicari):
cur = self
while cur is not None:
if cur.next != None:
if cur.data != dicari:
cur = cur.next
else:
print ("Data", dicari, "ada dalam Linked List")
break
elif cur.next == None:
print ("Data", dicari, "tidak ada dalam Linked List")
break
##Nomer6##
def binSe(kumpulan,target):
low = 0
high = len(kumpulan)-1
x=[]
while low <=high:
mid =(high + low)//2
if kumpulan[mid]==target:
return 'target pada indexs ke-'+str(mid)
elif target < kumpulan[mid]:
high = mid -1
else:
low = mid+1
return False
Ln: 80
Type here to search
4:18 PM
4/2/2020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Type "help", "copyright", "credits" or "license()" for more information.
>>>
= RESTART: C:/Users/WINDOWS 10/Downloads/yoga/Algostruk prak/Modul 4/L200180081_Algostruk_Modul 4_Tugas.py
>>> A = [7,8,9,10,23,25,30,4]
>>> binSe(A,8)
'target pada indexs ke-1'
>>>
= RESTART: C:/Users/WINDOWS 10/Downloads/yoga/Algostruk prak/Modul 4/L200180081_Algostruk_Modul 4_Tugas.py
>>> B = [2, 3, 5, 6, 6, 6, 8, 9, 9, 10, 11, 12, 13, 13, 14]
>>> binse(B,6)
[3, 4, 5]
>>> binse(B,13)
[12, 13]
>>> binse(B,9)
[7, 8]
>>>
Ln: 17 Col: 4
L200180081_Algostruk_Modul 4_Tugas.py - C:/Users/WINDOWS 10/Downloads/yoga/Algostr...
File Edit Format Run Options Window Help
cur = cur.next
else:
print ("Data", dicari, "ada dalam Linked List")
break
elif cur.next == None:
print ("Data", dicari, "tidak ada dalam Linked List")
break
##Nomer6##
def binSe(kumpulan,target):
low = 0
high = len(kumpulan)-1
x=[]
while low <=high:
mid =(high + low)//2
if kumpulan[mid]==target:
return 'target pada indexs ke-'+str(mid)
elif target < kumpulan[mid]:
high = mid -1
else:
low = mid+1
return False
##Nomer7##
def binse(kumpulan,target):
low = 0
high = len(kumpulan)-1
a = []
while low <= high:
if kumpulan [low] == target:
a.append(low)
low += 1
else:
low += 1
return a
Ln: 97
Type here to search
4:21 PM
4/2/2020