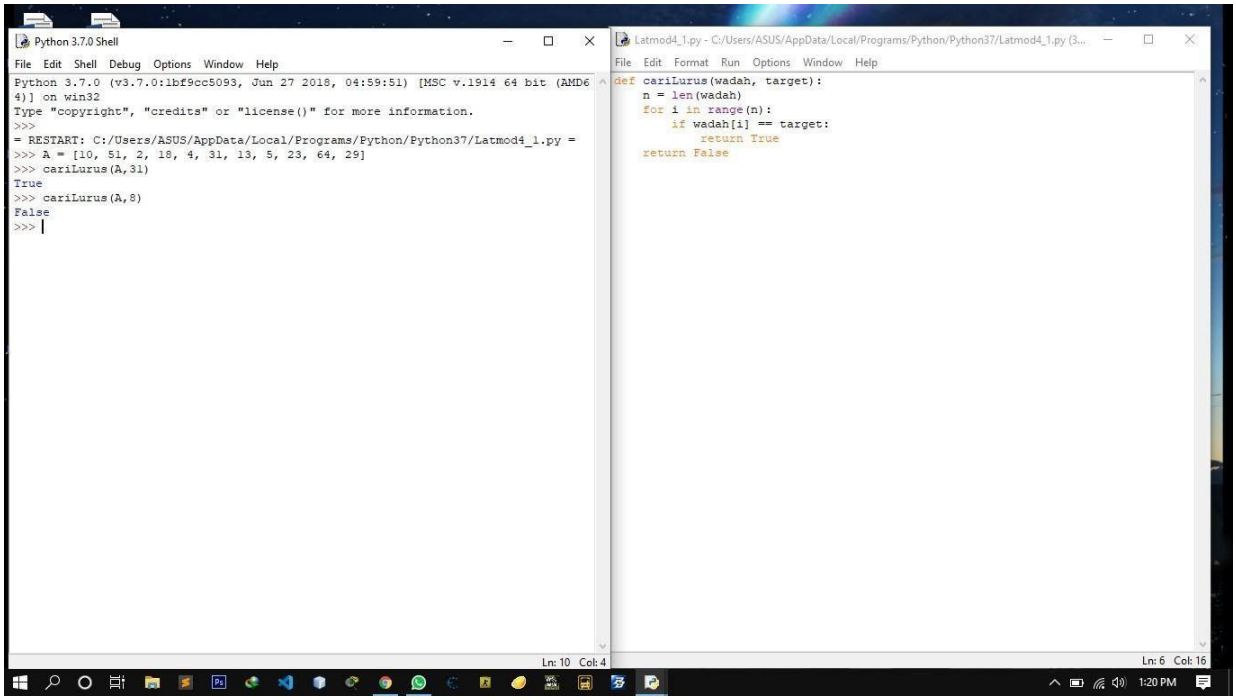
Nama : Hasan Ali

NIM : L200180077

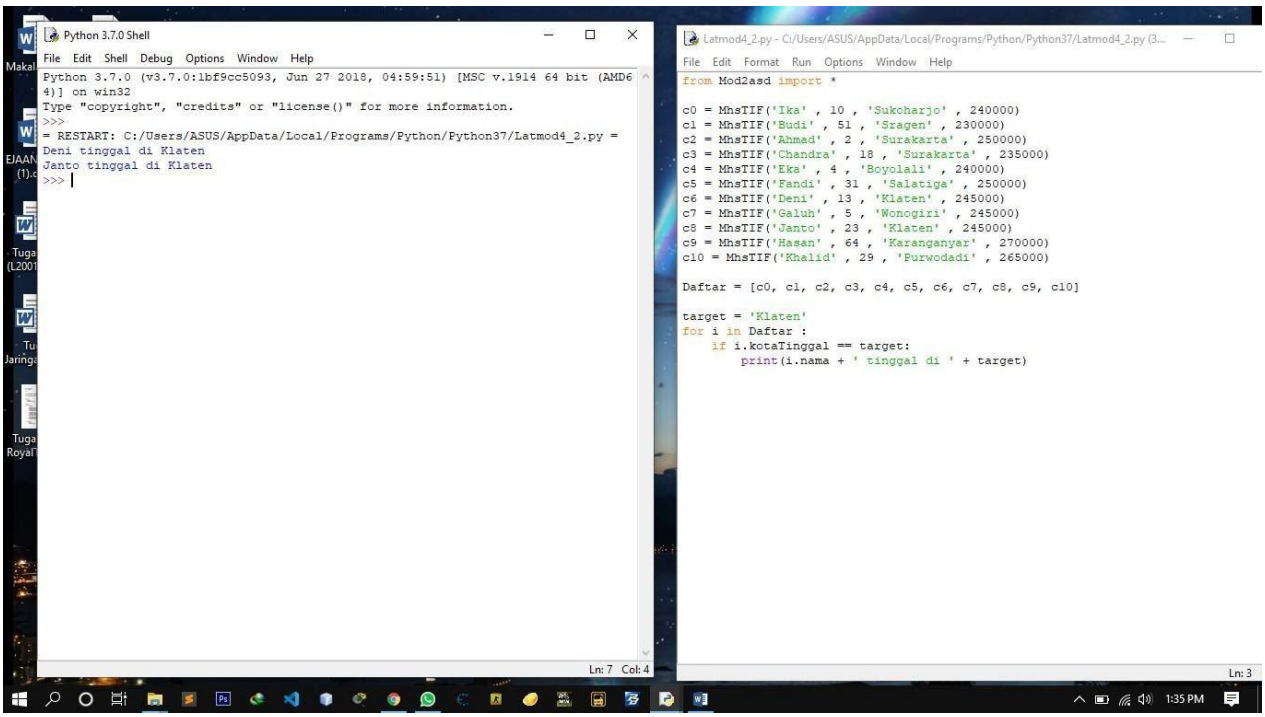
Kelas : C

Kegiatan Praktikum
Modul 4

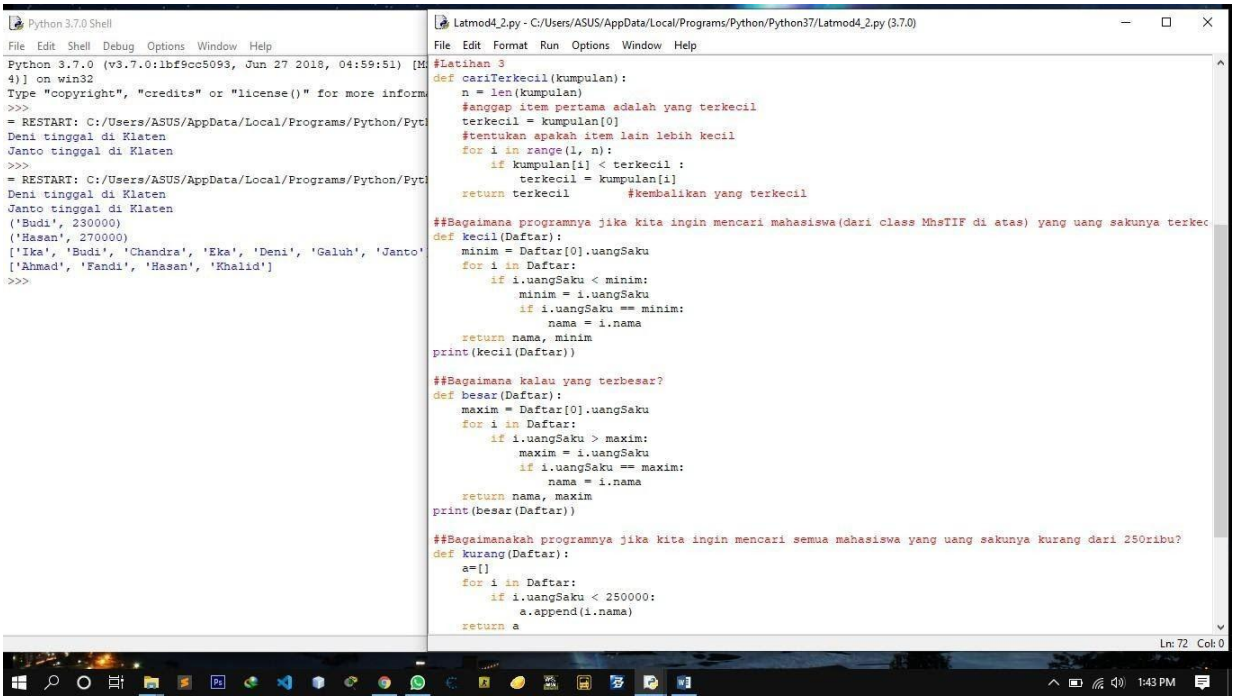
A.Linear Search

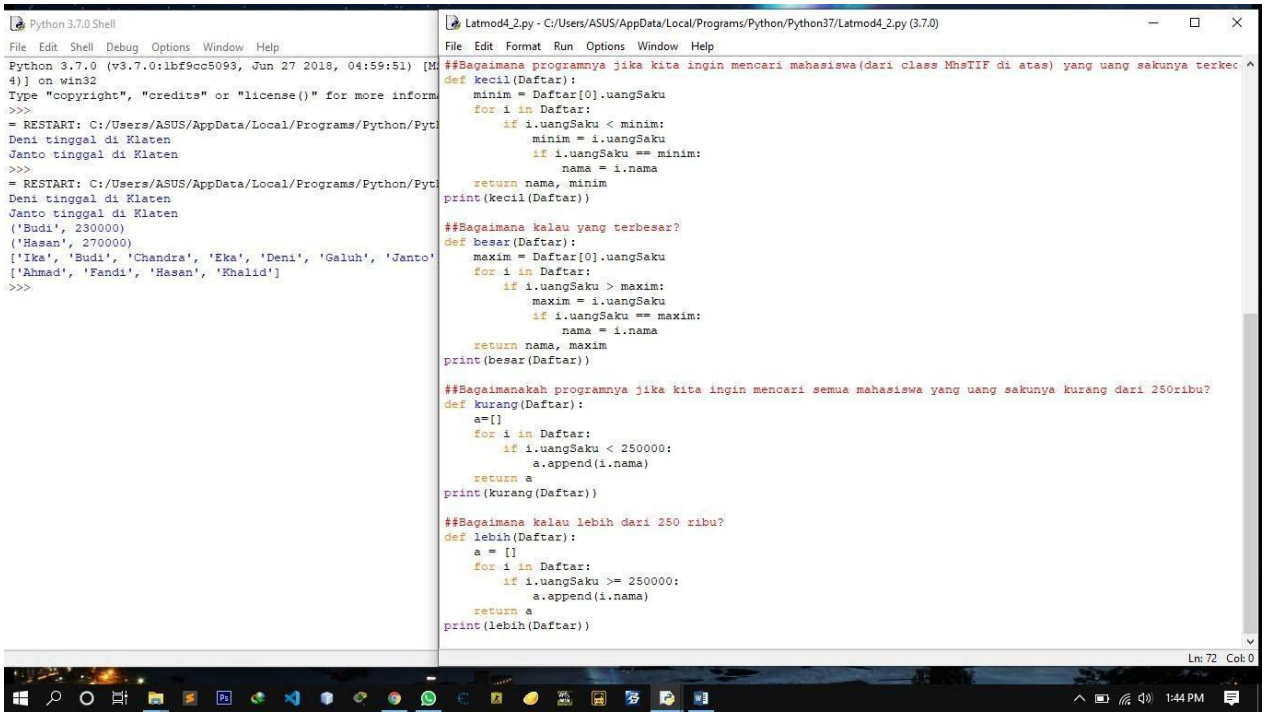


B.Pencarian Lurus untuk Objek Buatan Sendiri



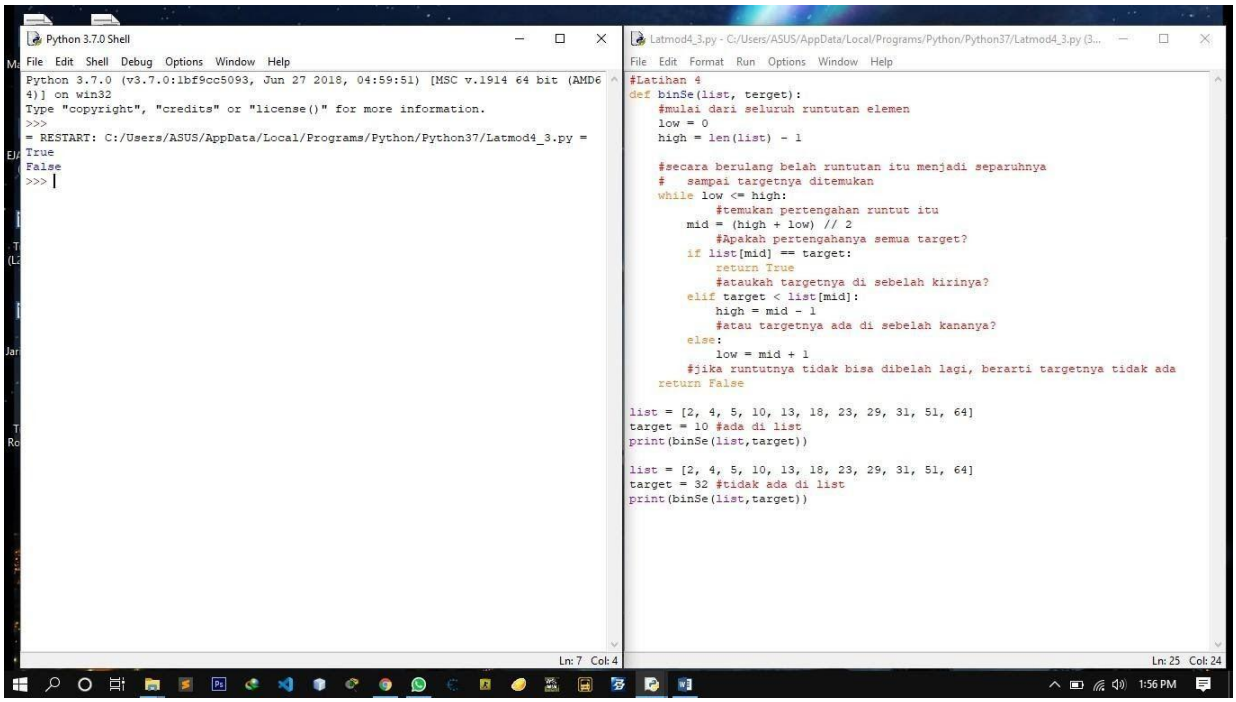
C.Pencarian Lurus di Linked List



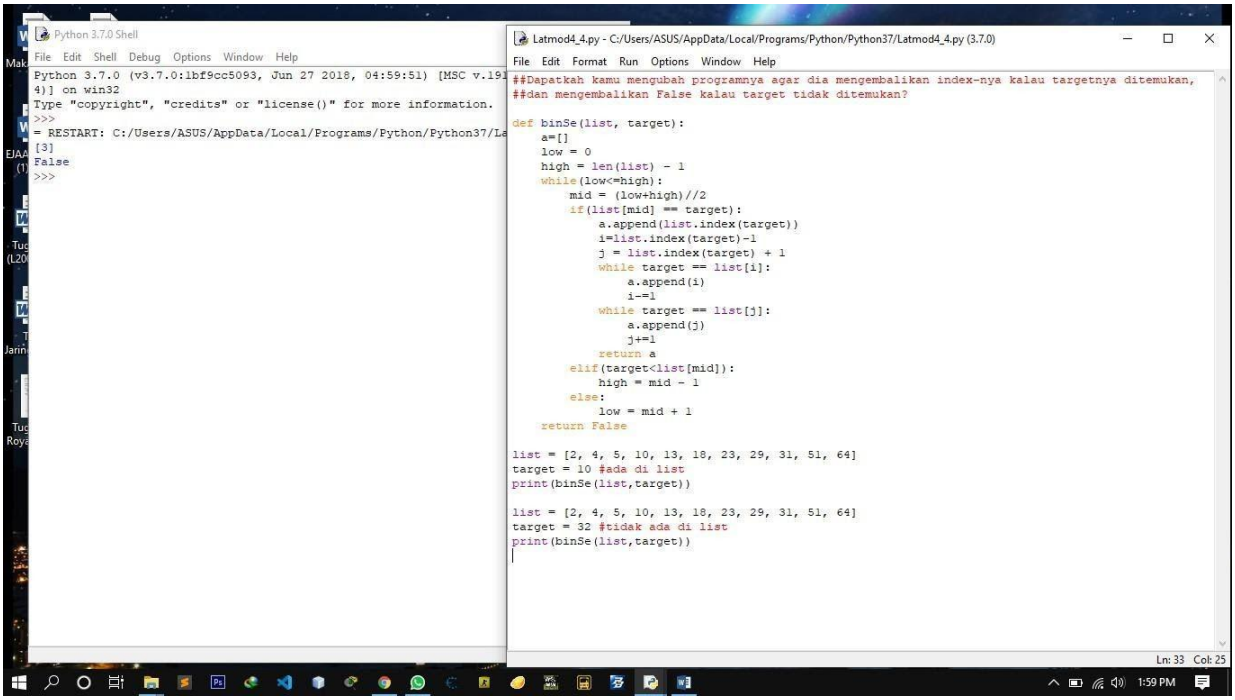


D. Binar

y Search 1.



2.


Python 3.7.0 Shell
File Edit Shell Debug Options Window Help
Python 3.7.0 (v3.7.0:1bf9cc5093, Jun 27 2018, 04:59:51) [MSC v.191
4)] on win32
Type "copyright", "credits" or "license()" for more information.
>>>
= RESTART: C:/Users/ASUS/AppData/Local/Programs/Python/Python37/La
[3]
False
>>>
Latmod4_4.py - C:/Users/ASUS/AppData/Local/Programs/Python/Python37/Latmod4_4.py (3.7.0)
File Edit Format Run Options Window Help
##Dapatkah kamu mengubah programnya agar dia mengembalikan index-nya kalau targetnya ditemukan,
##dan mengembalikan False kalau target tidak ditemukan?
def binSe(list, target):
a=[]
low = 0
high = len(list) - 1
while(low<=high):
mid = (low+high)//2
if(list[mid] == target):
a.append(list.index(target))
i=list.index(target)-1
j = list.index(target) + 1
while target == list[i]:
a.append(i)
i-=1
while target == list[j]:
a.append(j)
j+=1
return a
elif(target<list[mid]):
high = mid - 1
else:
low = mid + 1
return False
list = [2, 4, 5, 10, 13, 18, 23, 29, 31, 51, 64]
target = 10 #ada di list
print(binSe(list,target))
list = [2, 4, 5, 10, 13, 18, 23, 29, 31, 51, 64]
target = 32 #tidak ada di list
print(binSe(list,target))
Ln: 33 Col: 25
1:59 PM