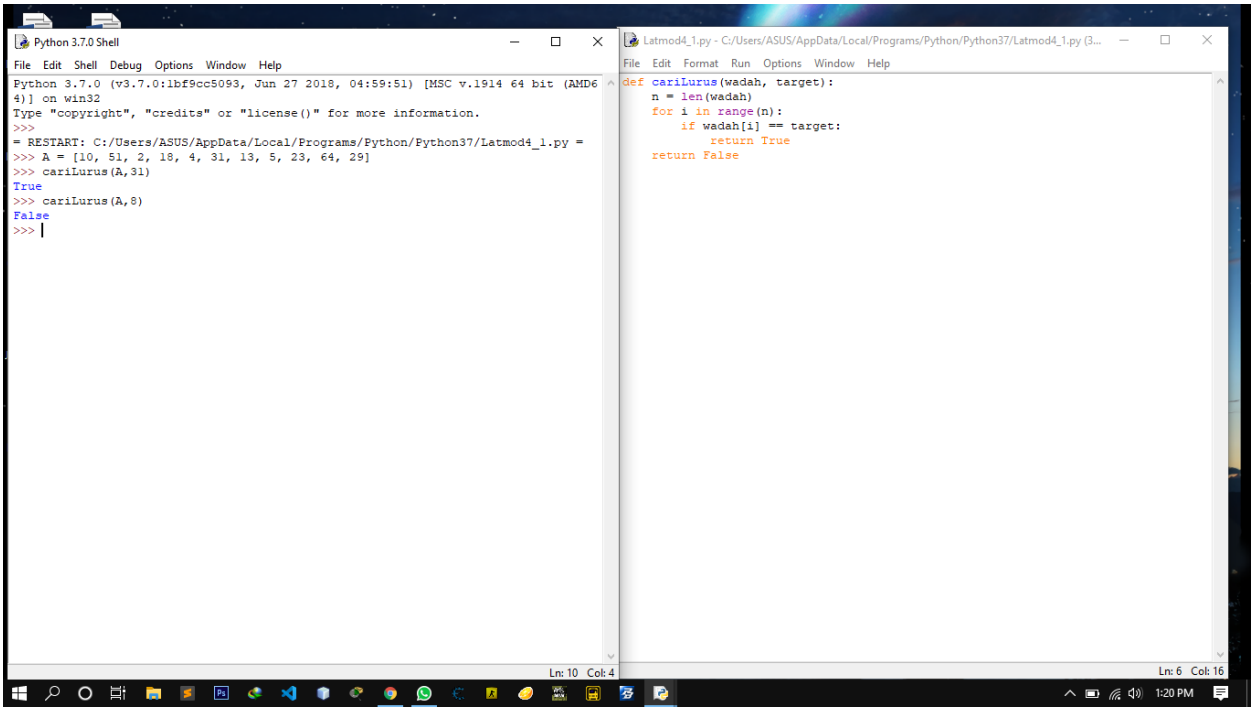
Nama : Alif Al Amin

NIM : L200180082

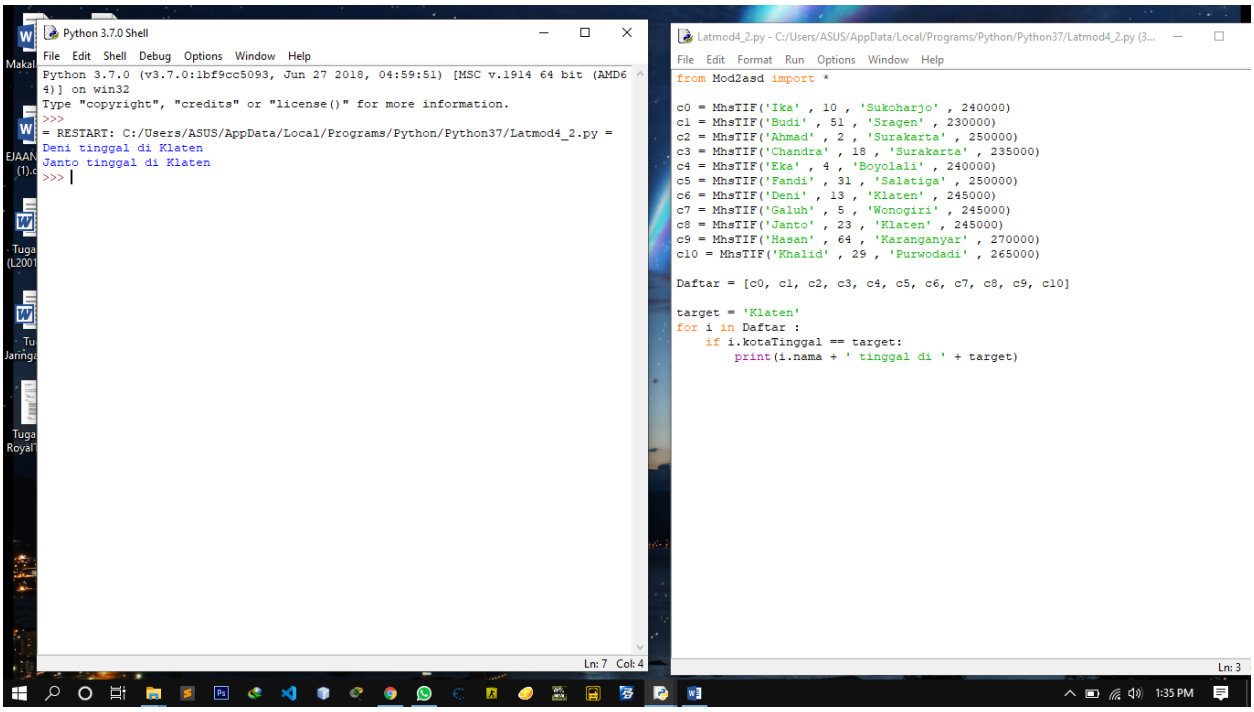
Kelas : C

Kegiatan Praktikum Modul 4

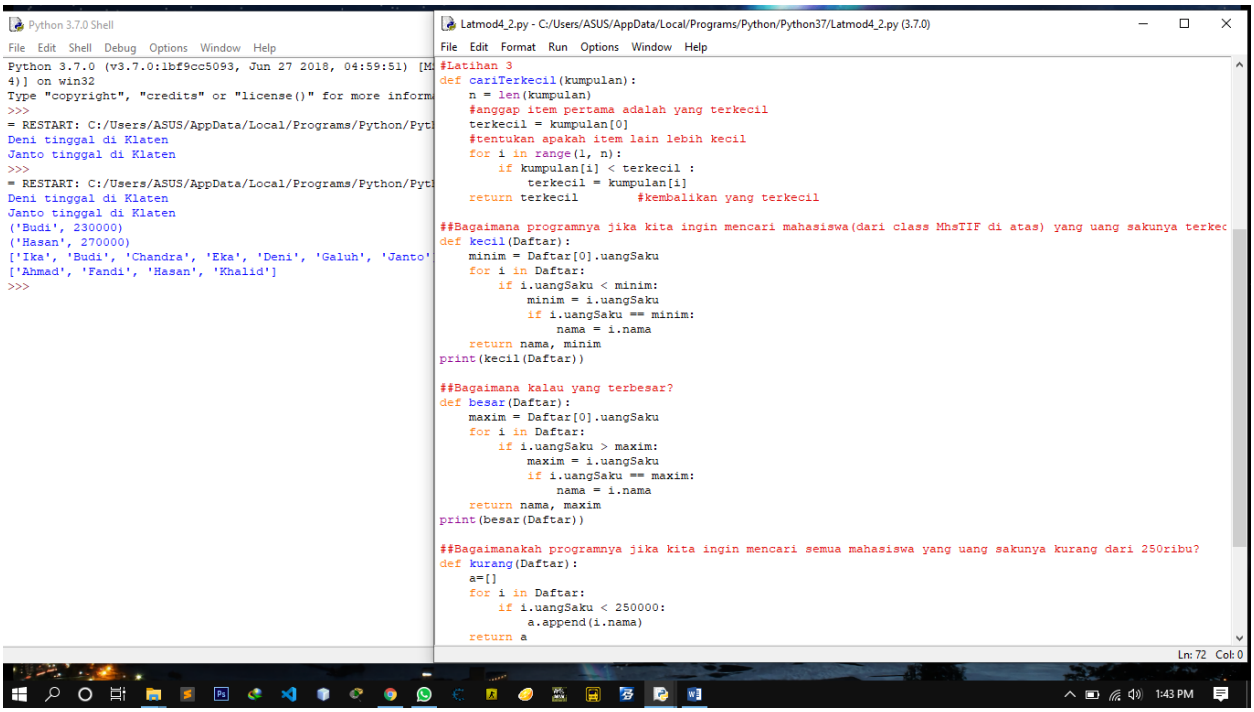
A. Linear Search

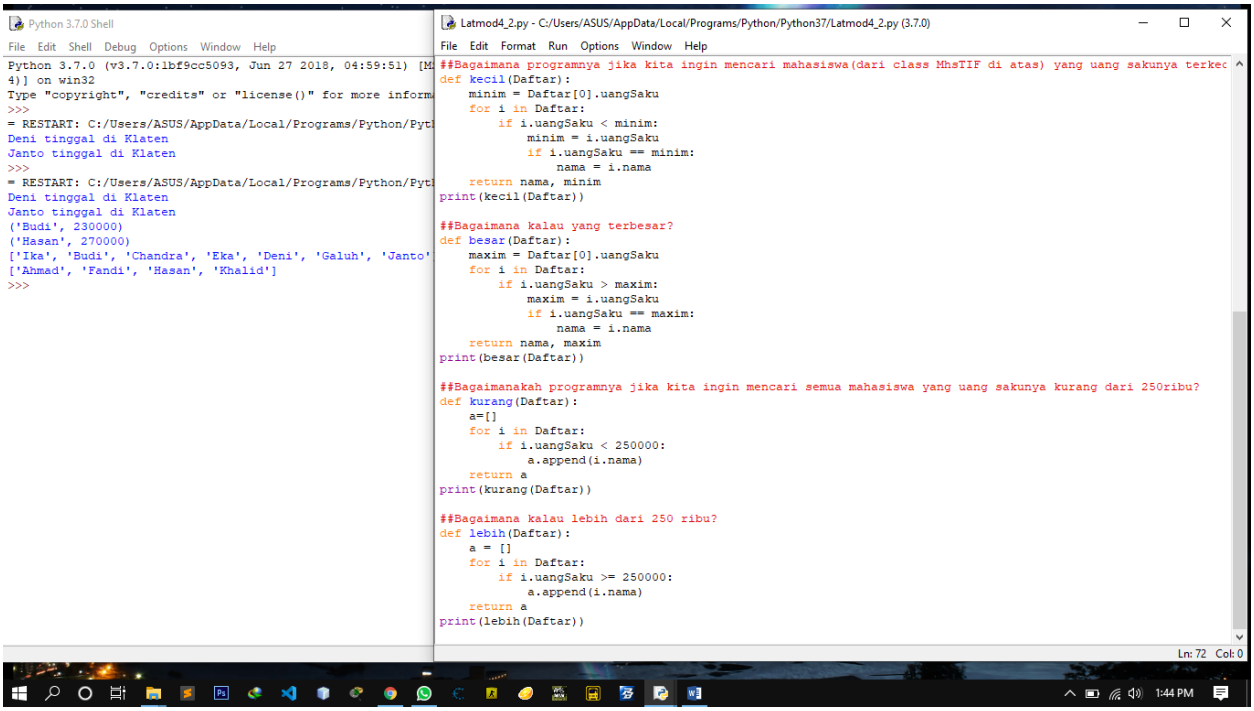


B. Pencarian Lurus untuk Objek Buatan Sendiri



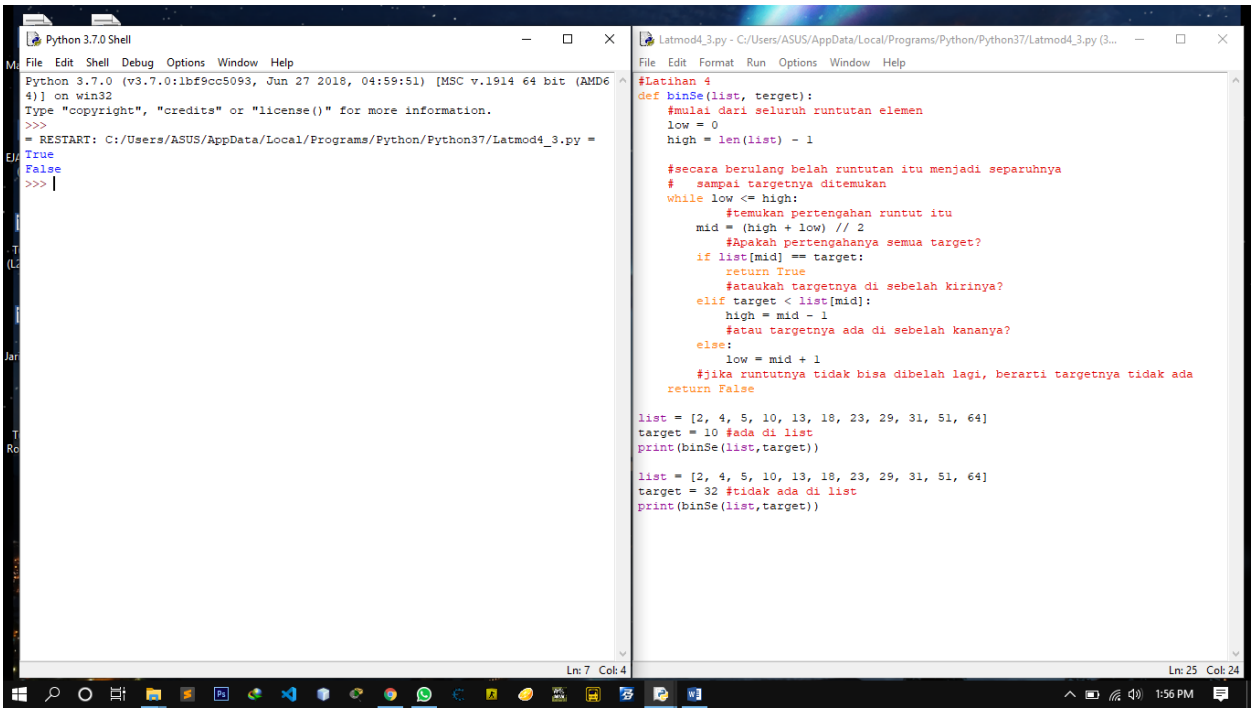
C. Pencarian Lurus di Linked List



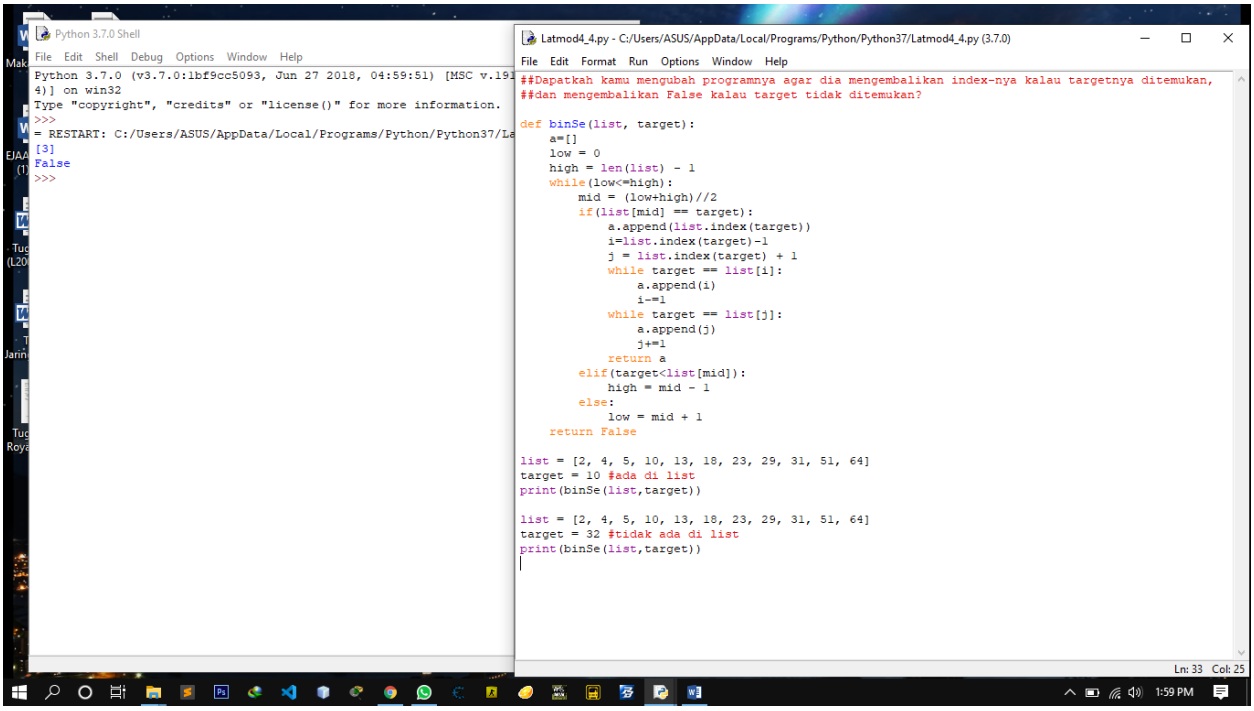


D. Binary Search

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.1914 64 bit (AMD64)] 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