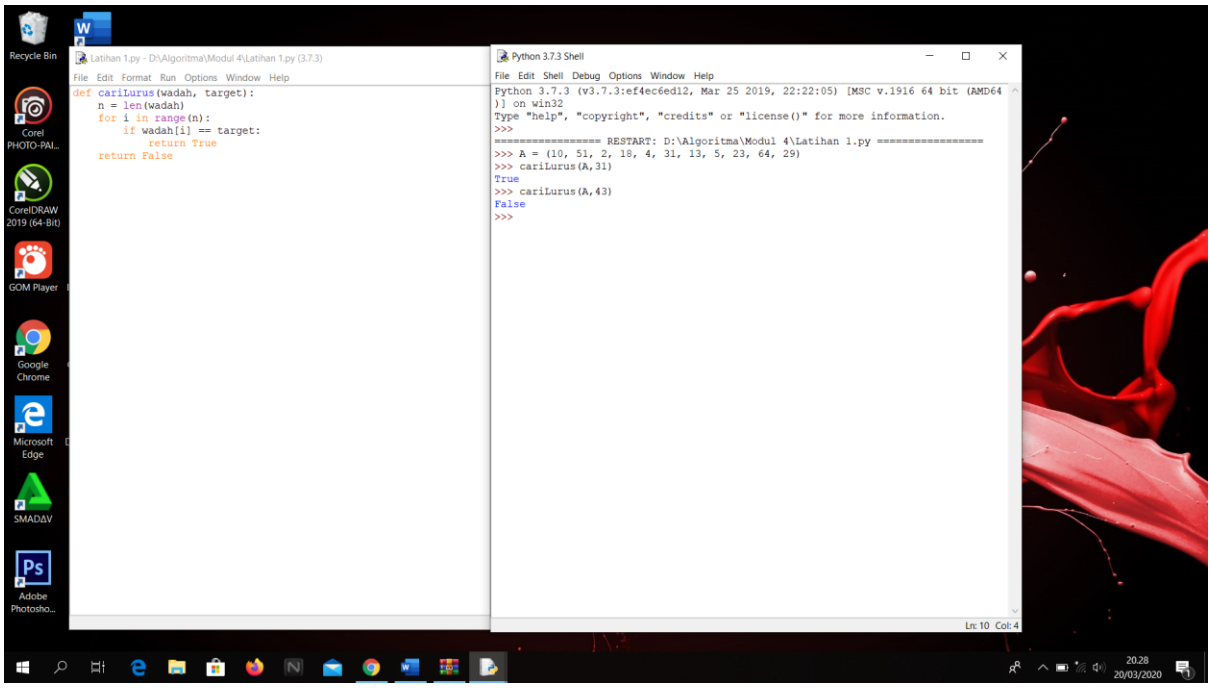
Nama : Bayu Prayitno Aji

NIM : L200180054

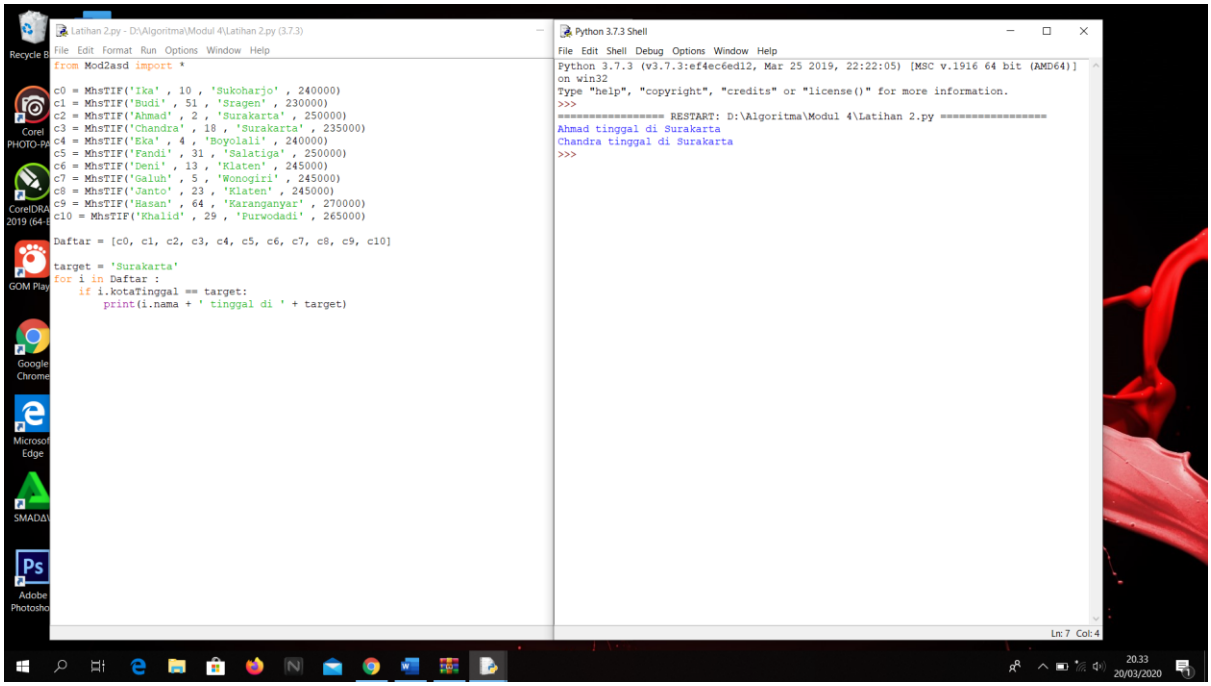
Kelas : C

Kegiatan Praktikum Modul 4

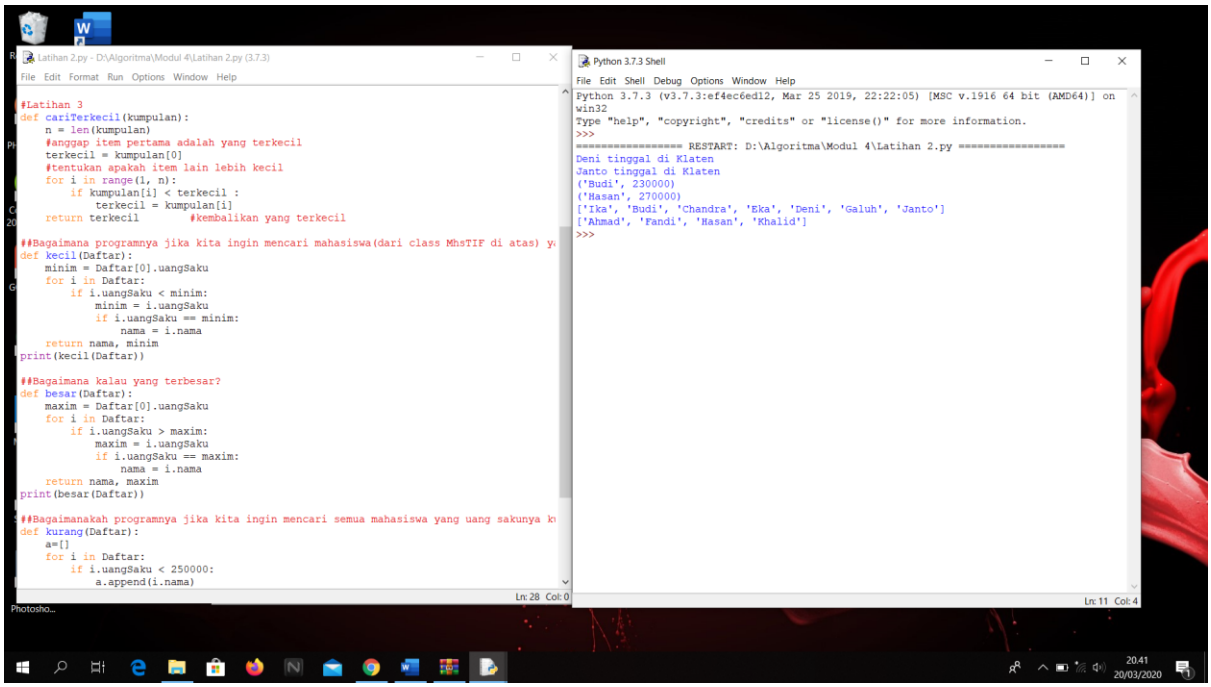
1. Linear Search

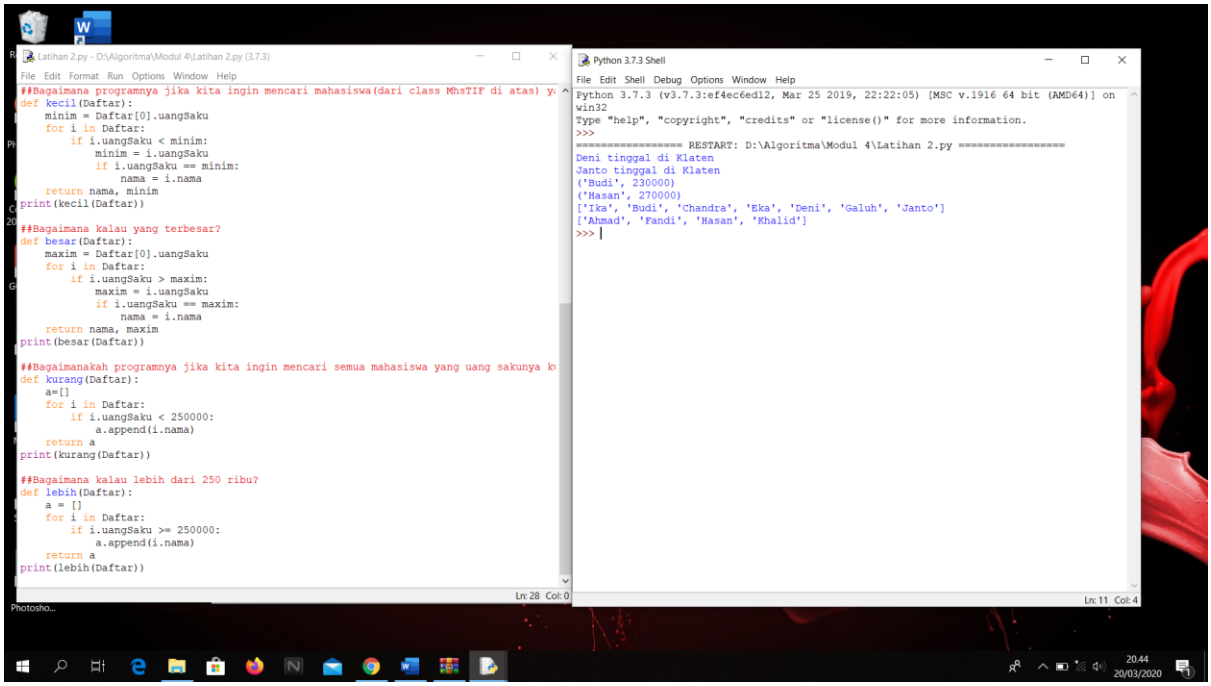


2. Pencarian Lurus untuk Objek Buatan Sendiri

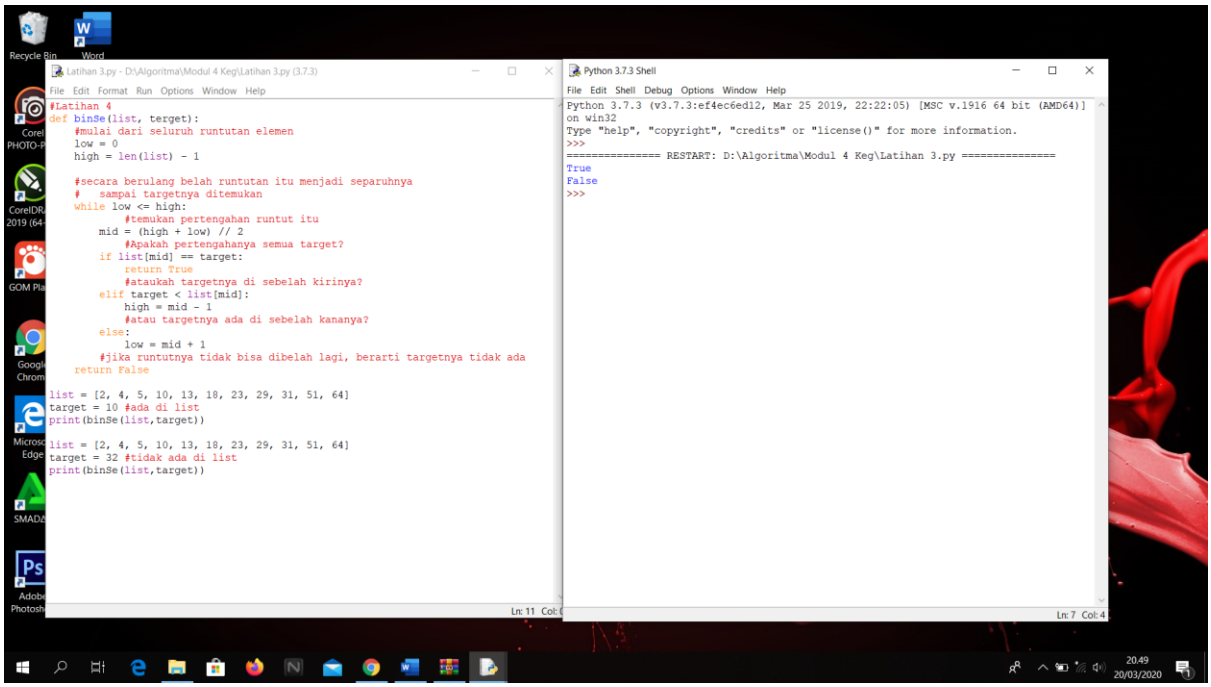


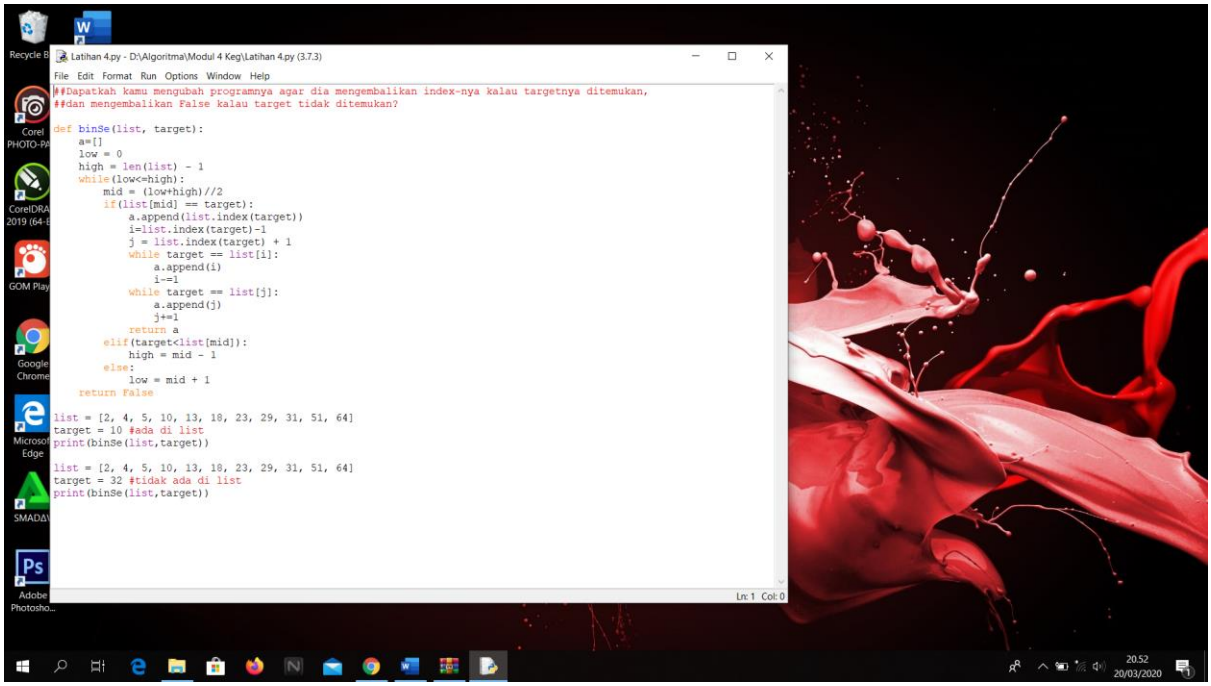
3. Pencarian Lurus di Linked List





4. Binary Search




Latihan 4.py - D:\Algoritma\Modul 4 Keg\Latihan 4.py (3.7.3)
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: 1 Col: 0
20.52
20/03/2020