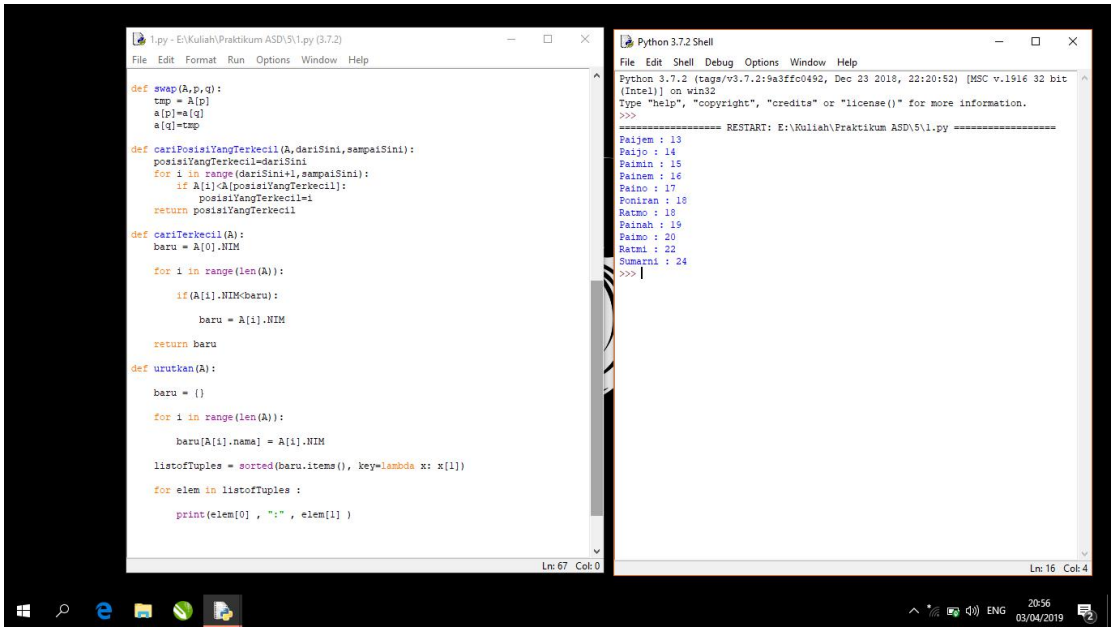
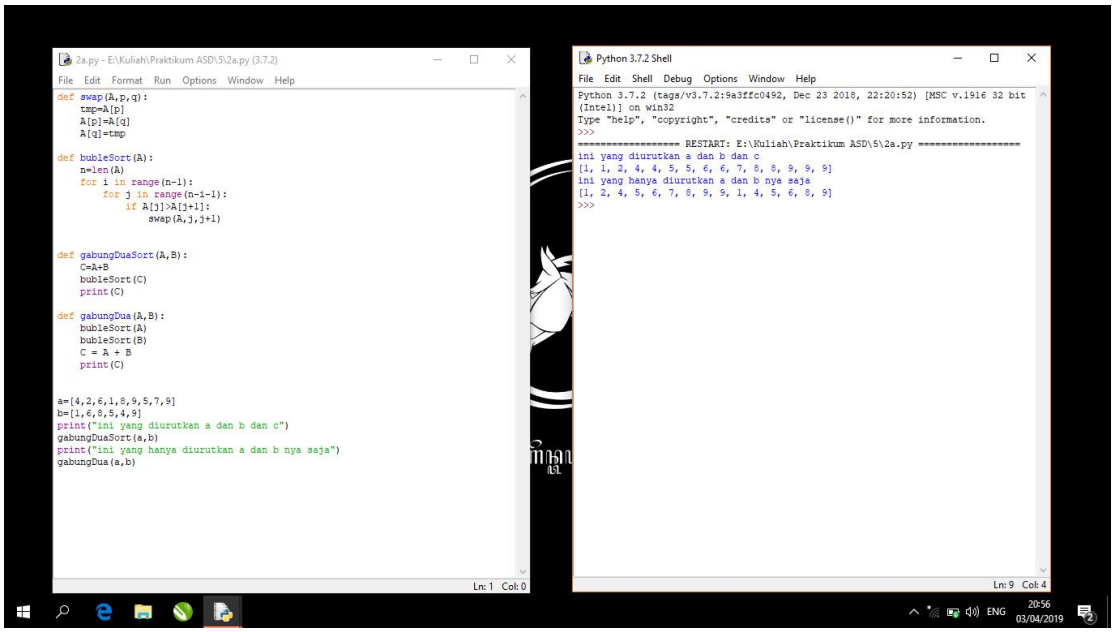
Nama : Giovanny Dani Saputra
NIM : L200170159

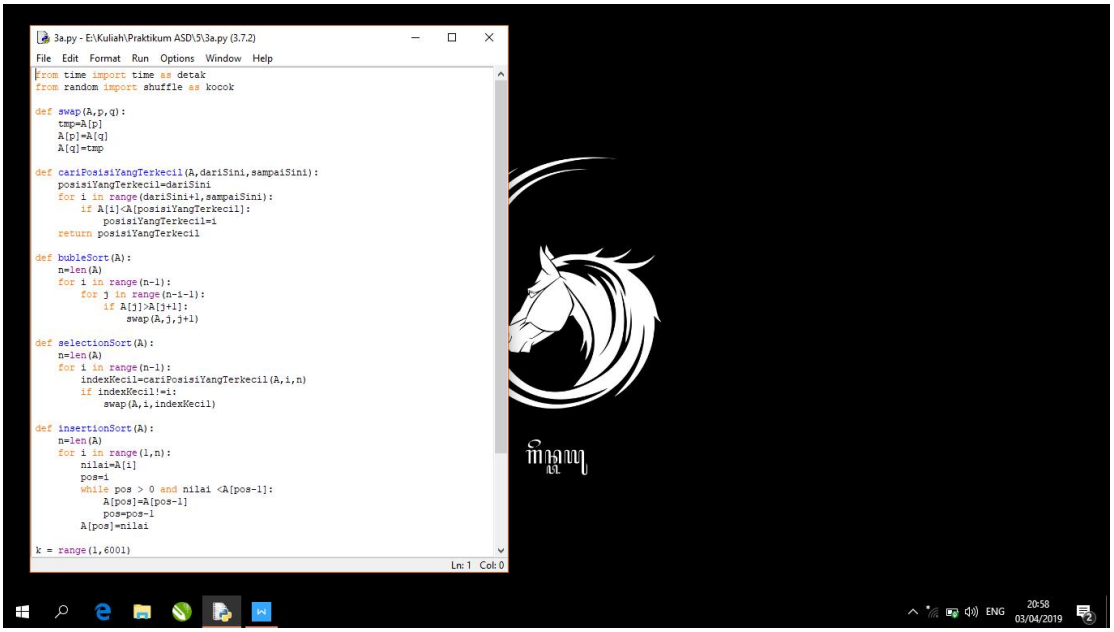
1.



2.



3.


3a.py - E:\Kuliah\Praktikum ASD\5\3a.py (3.7.2)
File Edit Format Run Options Window Help
from time import time as detak
from random import shuffle as kocok
def swap(A,p,q):
tmp=A[p]
A[p]=A[q]
A[q]=tmp
def cariPosisiYangTerkecil(A,dariSini,sampaiSini):
posisiYangTerkecil=dariSini
for i in range(dariSini+1,sampaiSini):
if A[i]<A[posisiYangTerkecil]:
posisiYangTerkecil=i
return posisiYangTerkecil
def bubleSort(A):
n=len(A)
for i in range(n-1):
for j in range(n-i-1):
if A[j]>A[j+1]:
swap(A,j,j+1)
def selectionSort(A):
n=len(A)
for i in range(n-1):
indexKecil=cariPosisiYangTerkecil(A,i,n)
if indexKecil!=i:
swap(A,i,indexKecil)
def insertionSort(A):
n=len(A)
for i in range(1,n):
nilai=A[i]
pos=i
while pos > 0 and nilai <A[pos-1]:
A[pos]=A[pos-1]
pos=pos-1
A[pos]=nilai
k = range(1,6001)
Ln: 1 Col: 0
ENG
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03/04/2019