LAPORAN LATIHAN
PRAKTIKUM ALGORITMA & STRUKTUR DATA
MODUL 5

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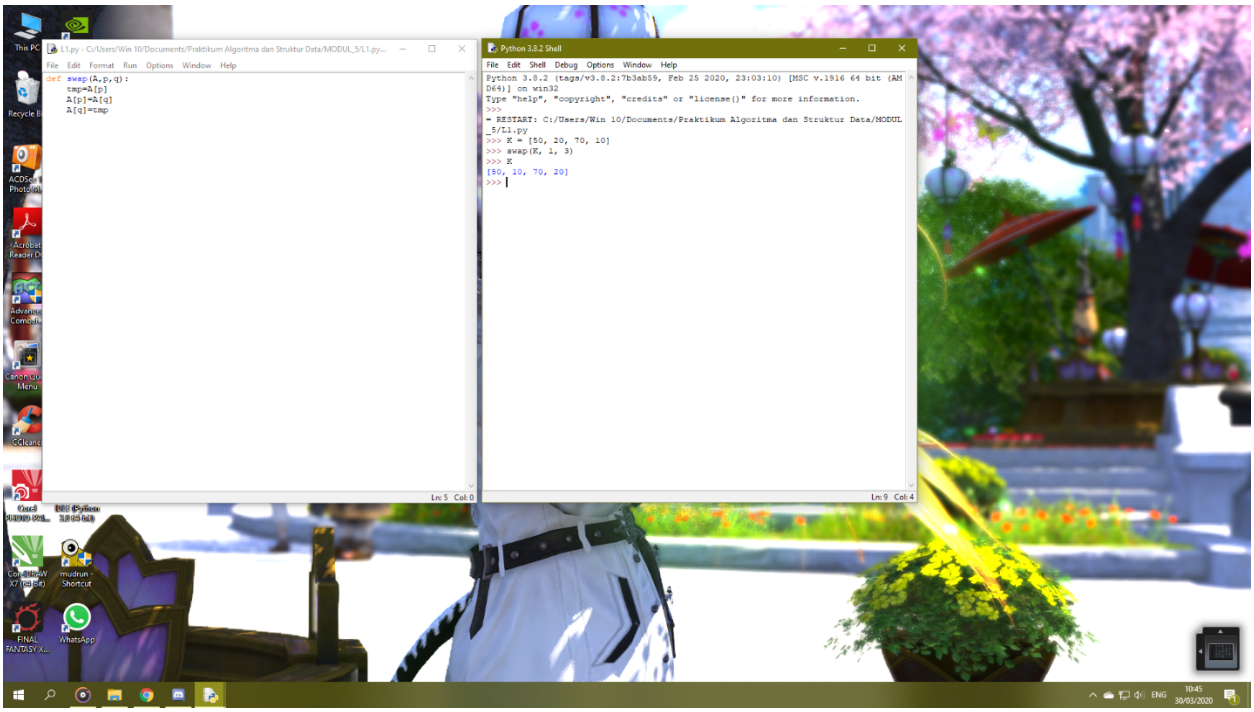
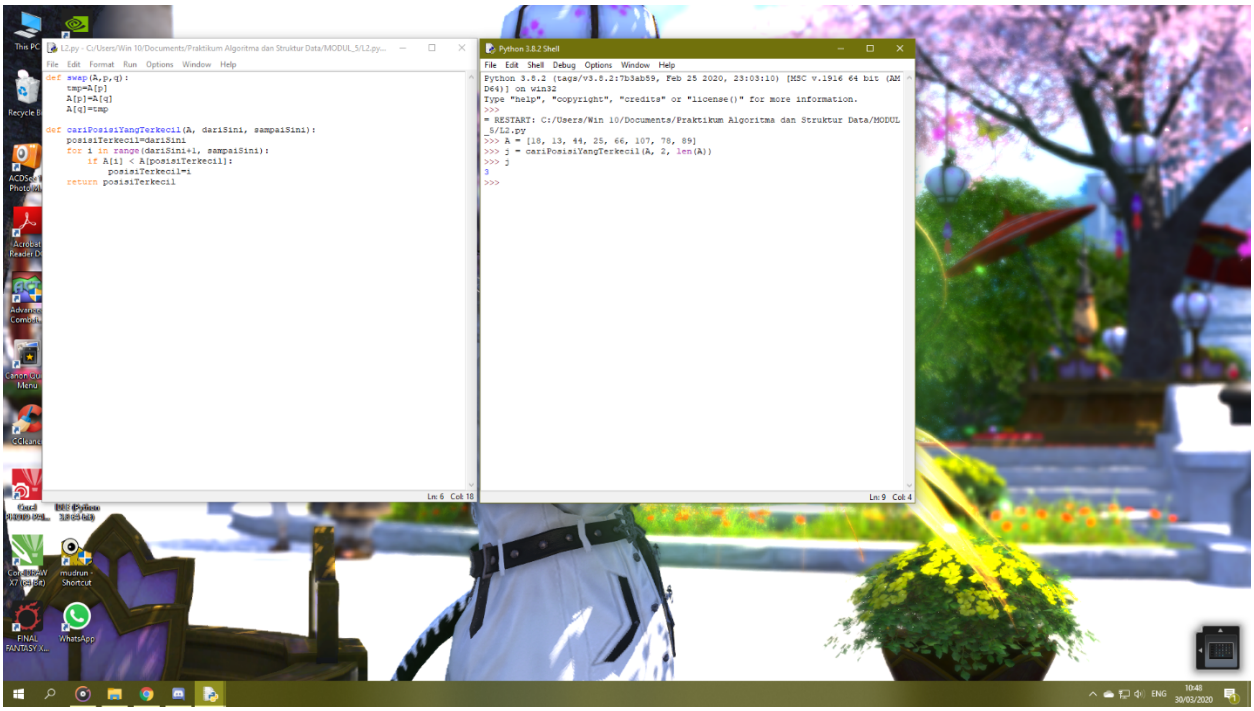
Kelas : A

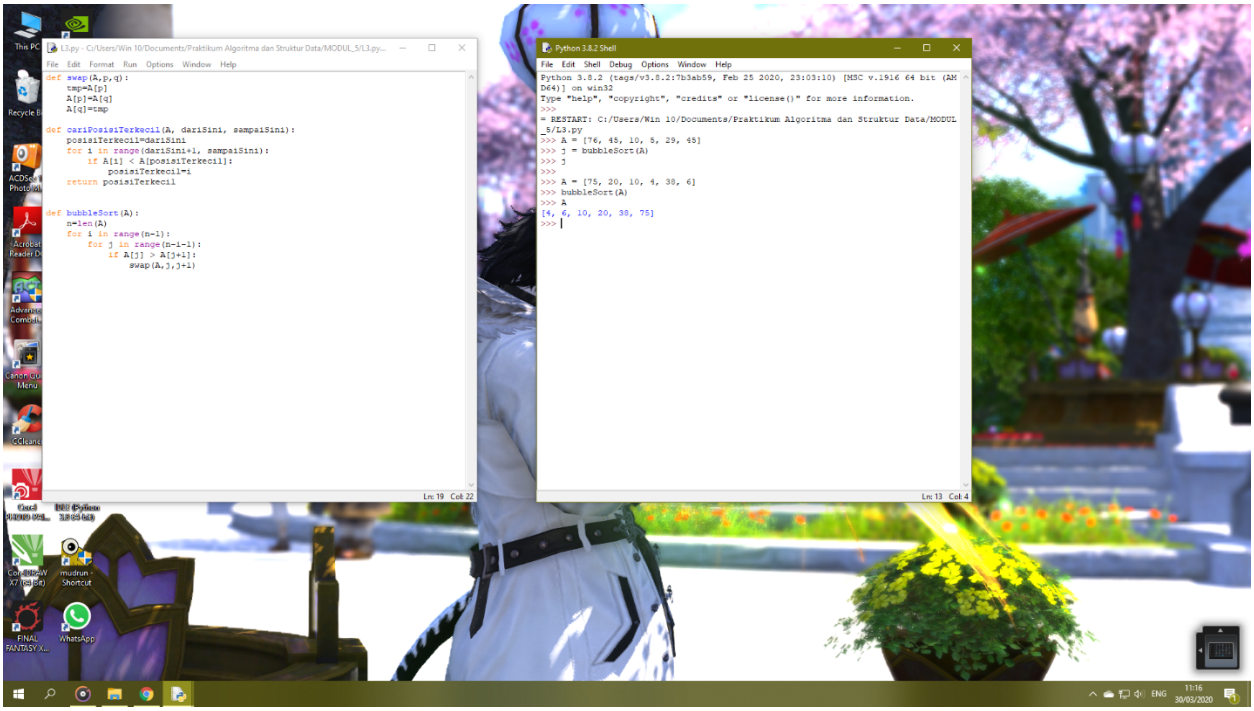
Latihan 1



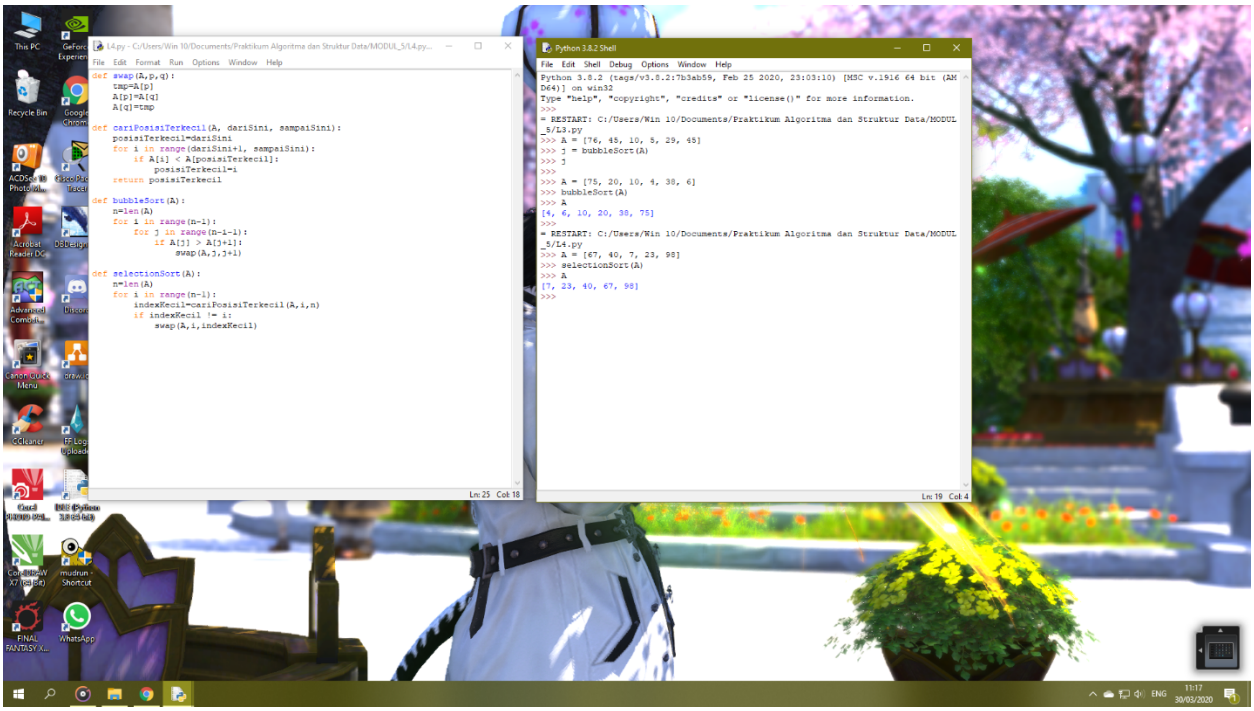
Latihan 2



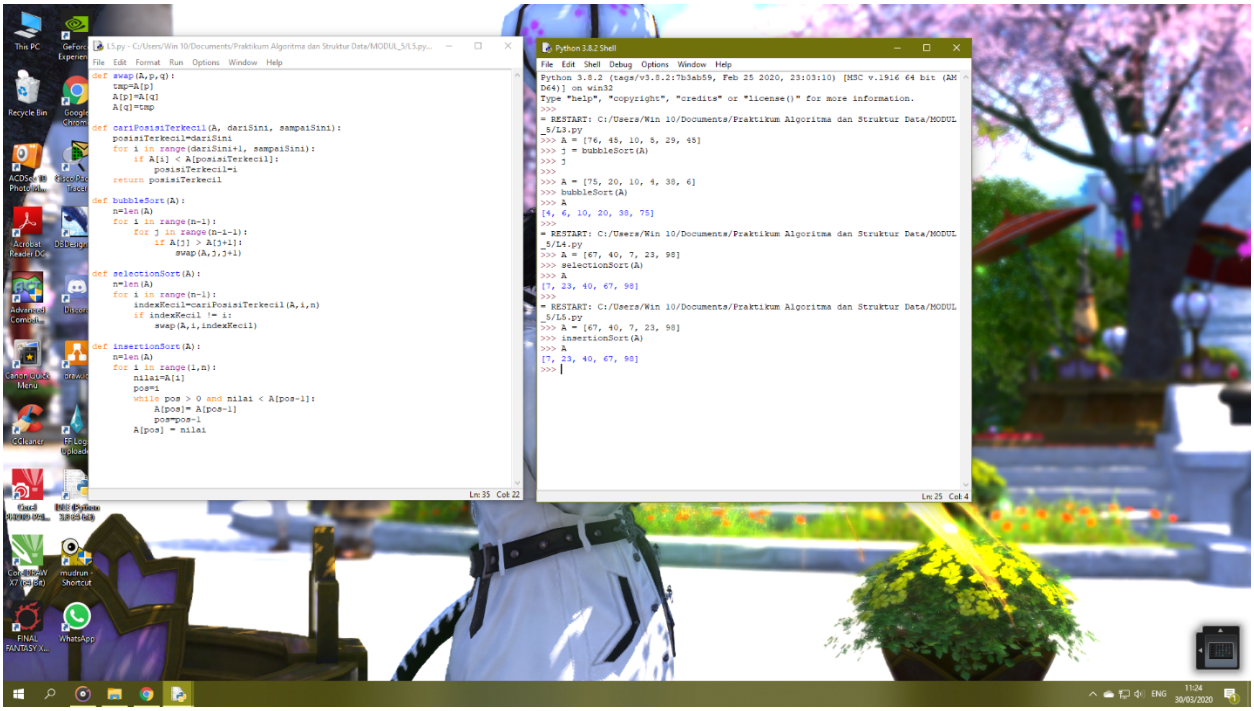
Latihan 3



Latihan 4


L4.py - C:/Users/Win 10/Documents/Praktikum Algoritma dan Struktur Data/MODUL_5/L4.py...
File Edit Format Run Options Window Help
def swap(A,p,q):
tmp=A[p]
A[p]=A[q]
A[q]=tmp
def cariPosisiTerkecil(A, dariSini, sampaiSini):
posisiTerkecil=dariSini
for i in range(dariSini+1, sampaiSini):
if A[i] < A[posisiTerkecil]:
posisiTerkecil=i
return posisiTerkecil
def bubbleSort(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=cariPosisiTerkecil(A,i,n)
if indexKecil != i:
swap(A,i,indexKecil)
Ln: 25 Col: 18
Python 3.8.2 Shell
File Edit Shell Debug Options Window Help
Python 3.8.2 (tags/v3.8.2:7b3ab59, Feb 25 2020, 23:03:10) [MSC v.1916 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
= RESTART: C:/Users/Win 10/Documents/Praktikum Algoritma dan Struktur Data/MODUL_5/L3.py
>>> A = [76, 45, 10, 5, 29, 45]
>>> j = bubbleSort(A)
>>> j
>>>
>>> A = [75, 20, 10, 4, 38, 6]
>>> bubbleSort(A)
>>> A
[4, 6, 10, 20, 38, 75]
>>>
= RESTART: C:/Users/Win 10/Documents/Praktikum Algoritma dan Struktur Data/MODUL_5/L4.py
>>> A = [67, 40, 7, 23, 98]
>>> selectionSort(A)
>>> A
[7, 23, 40, 67, 98]
>>>
Ln: 19 Col: 4

Latihan 5


L5.py - C:/Users/Win 10/Documents/Praktikum Algoritma dan Struktur Data/MODUL_5/L5.py...
File Edit Format Run Options Window Help
def swap(A,p,q):
tmp=A[p]
A[p]=A[q]
A[q]=tmp
def cariPosisiTerkecil(A, dariSini, sampaiSini):
posisiTerkecil=dariSini
for i in range(dariSini+1, sampaiSini):
if A[i] < A[posisiTerkecil]:
posisiTerkecil=i
return posisiTerkecil
def bubbleSort(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=cariPosisiTerkecil(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
Ln: 35 Col: 22
Python 3.8.2 Shell
File Edit Shell Debug Options Window Help
Python 3.8.2 (tags/v3.8.2:7b3ab59, Feb 25 2020, 23:03:10) [MSC v.1916 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
= RESTART: C:/Users/Win 10/Documents/Praktikum Algoritma dan Struktur Data/MODUL_5/L3.py
>>> A = [76, 45, 10, 5, 29, 45]
>>> j = bubbleSort(A)
>>> j
>>>
>>> A = [75, 20, 10, 4, 38, 6]
>>> bubbleSort(A)
>>> A
[4, 6, 10, 20, 38, 75]
>>>
= RESTART: C:/Users/Win 10/Documents/Praktikum Algoritma dan Struktur Data/MODUL_5/L4.py
>>> A = [67, 40, 7, 23, 98]
>>> selectionSort(A)
>>> A
[7, 23, 40, 67, 98]
>>>
= RESTART: C:/Users/Win 10/Documents/Praktikum Algoritma dan Struktur Data/MODUL_5/L5.py
>>> A = [67, 40, 7, 23, 98]
>>> insertionSort(A)
>>> A
[7, 23, 40, 67, 98]
>>>
Ln: 25 Col: 4