

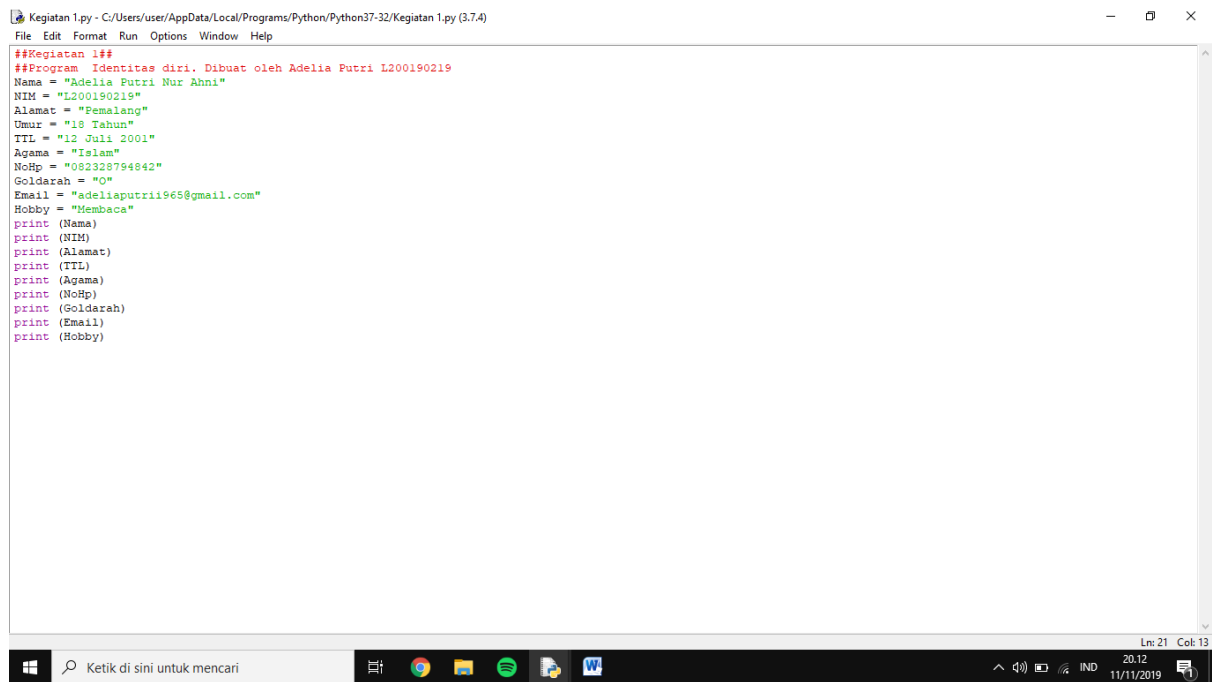
Nama : Adelia Putri Nur A

NIM : L200190219

## Praktikum Algoritma dan Pemrograman

### Modul 6

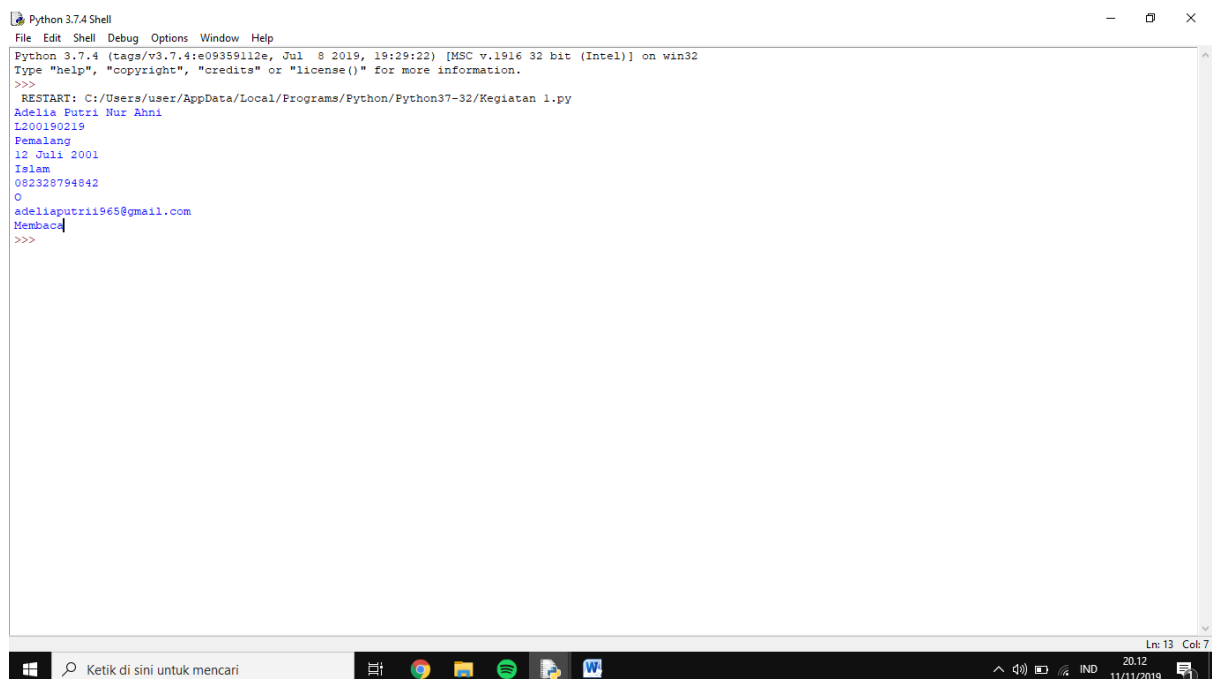
#### Kegiatan 1



The screenshot shows a Python script editor window titled "Kegiatan 1.py - C:/Users/user/AppData/Local/Programs/Python/Python37-32/Kegiatan 1.py (3.7.4)". The script contains the following code:

```
##Kegiatan 1##
##Program Identitas diri. Dibuat oleh Adelia Putri L200190219
Nama = "Adelia Putri Nur Ahni"
NIM = "L200190219"
Alamat = "Pemalang"
Umur = "18 Tahun"
TTL = "12 Juli 2001"
Agama = "Islam"
NoHp = "082328794842"
Goldarah = "O"
Email = "adeliaputri1965@gmail.com"
Hobby = "Membaca"
print (Nama)
print (NIM)
print (Alamat)
print (TTL)
print (Agama)
print (NoHp)
print (Goldarah)
print (Email)
print (Hobby)
```

The bottom of the window shows a Windows taskbar with the search bar and several application icons.



The screenshot shows a Python 3.7.4 Shell window titled "Python 3.7.4 Shell". The window displays the output of the script executed in the previous screenshot:

```
Python 3.7.4 (tags/v3.7.4:e09359112e, Jul 8 2019, 19:29:22) [MSC v.1916 32 bit (Intel)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
RESTART: C:/Users/user/AppData/Local/Programs/Python/Python37-32/Kegiatan 1.py
Adelia Putri Nur Ahni
L200190219
Pemalang
12 Juli 2001
Islam
082328794842
O
adeliaputri1965@gmail.com
Membaca
>>>
```

The bottom of the window shows a Windows taskbar with the search bar and several application icons.

## Kegiatan 2

```
Kegiatan 2.py - D:/Kegiatan 2.py (3.7.4)
File Edit Format Run Options Window Help

#Kegiatan 2
#Program Akun
Nama = "Adella Putri Nur Ahni"
TL = "12 Juli 2001"

print ("Nama =", Nama)
print ("Tanggal Lahir =", TL)
print ("Nama Singkat =", Nama[0:7]+"-"+Nama[13]+Nama[16]+".")
print ("Username =", Nama[0]+TL[0:2]+TL[8:])
print ("Password =", Nama[0:4]+"122")

Ln: 10 Col: 37
```

```
Python 3.7.4 Shell
File Edit Shell Debug Options Window Help

Python 3.7.4 (tags/v3.7.4:09359112e, Jul 8 2019, 19:29:22) [MSC v.1916 32 bit (Intel)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
RESTART: C:/Users/user/AppData/Local/Programs/Python/Python37-32/Kegiatan 1.py
Adella Putri Nur Ahni
1200190219
Femalang
12 Juli 2001
Islam
082328794842
0
adeliaputrii9e5@gmail.com
Membaca
>>>
===== RESTART: D:/Kegiatan 2.py =====
Nama = Adella Putri Nur Ahni
Tanggal Lahir = 12 Juli 2001
Nama Singkat = Adella .N .
Username = A122001
Traceback (most recent call last):
  File "D:/Kegiatan 2.py", line 10, in <module>
    print ("Password =", Nama[0:4]+"122")
TypeError: can only concatenate str (not "list") to str
>>>
===== RESTART: D:/Kegiatan 2.py =====
Nama = Adella Putri Nur Ahni
Tanggal Lahir = 12 Juli 2001
Nama Singkat = Adella .N .
Username = A122001
Password = Adell22
>>>
```

## Kegiatan 3

```
Python 3.7.4 Shell - C:/Users/user/AppData/Local/Programs/Python/Python37-32/Kegiatan 3.py (3.7.4)
File Edit Shell Debug Options Window Help
Python 3.7.4 (tags/v3.7.4:09359112e, Jul 8 2019, 19:29:22) [MSC v.1916 32 bit (Intel)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>> Nama = "Adelia Putri Nur Ahni"
>>> NIM = "L200190219"
>>> X = "1" + NIM[7:]
>>> a = int(X)
>>> b = len(Nama)
>>> type(a)
<class 'int'>
>>> type(b)
<class 'int'>
>>> a / b
55.40909090909091
>>> a // b
55
>>> 10 * (a - 999)
2200
>>> b ** 2
484
>>> a % b
9
>>> c = 12.5
>>> type(c)
<class 'float'>
>>> a / c
97.52
>>> a // c
97.0
>>> a % c
6.5
>>> c > b
False
>>> type(c > b)
<class 'bool'>
>>> a > b and b > c
True
>>> a > 1100 or b < 10
True
>>> print(a) #menambahkan angka 1 di depan NIM dengan indeks ke 7
1219
>>> print(b) #Menghitung total indeks Nama
22
```

```
Python 3.7.4 Shell - C:/Users/user/AppData/Local/Programs/Python/Python37-32/Kegiatan 3.py (3.7.4)
File Edit Shell Debug Options Window Help
97.52
>>> a // c
97.0
>>> a % c
6.5
>>> c > b
False
>>> type(c > b)
<class 'bool'>
>>> a > b and b > c
True
>>> a > 1100 or b < 10
True
>>> print(a) #menambahkan angka 1 di depan NIM dengan indeks ke 7
1219
>>> print(b) #Menghitung total indeks Nama
22
>>> print(a / b) #membagi output a dan b
55.40909090909091
>>> print(a // b) #membagi output a dan b dengan pembulatan
55
>>> print(10 * (a - 999)) #output a dikurangi 999 dikali 10
2200
>>> print(b ** 2) #output b di pangkatkan 2
484
>>> print(a % b) #hasil dari a modulus b
9
>>> print(c) #menampilkan output c
12.5
>>> print(a / c) #membagi output a dan c
97.52
>>> print(a // c) #membagi output a dan c dengan pembulatan
97.0
>>> print(a % c) #hasil dari a modulus c
6.5
>>> print(c > b) #menampilkan boolean dari hasil program c > b
False
>>> print(a > b and b > c) #menampilkan boolean dari hasil program c > b
True
>>> print(a > 1100 or b < 10)
```

## Kegiatan 4

```
Python 3.7.4 Shell
File Edit Shell Debug Options Window Help
Python 3.7.4 [tags/v3.7.4:ed935112e, Jul 8 2019, 19:29:22] [MSC v.1916 32 bit (Intel)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>> Nama = "Adelia Putri Nur Ahni" #nama lengkap saya
>>> NIM = 219 # NIM Saya
>>> Tinggi = 1.55 #tinggi saya dalam meter
>>> Berat = 46 #berat saya dalam kg
>>> TahunLahir = 2001 #tahun lahir saya
>>> Aku = (TahunLahir, Berat, Tinggi, NIM, Nama) #biodata tersimpan dalam tuple aku
>>> Data = (TahunLahir, Berat, Tinggi, NIM, Nama) #biodata tersimpan dalam list Data
>>> type(Aku) #Mengetahui Type data Aku
<class 'tuple'>
>>> Aku[0] #Indexing data ke 0 dari variable Aku
2001
>>> a = NIM % 4; Aku[a] #menyimpan hasil sisa NIM dibagi 4, lalu hasil a dimasukkan ke variable Aku
219
>>> type(Aku[a]) #mengetahui Type data Aku[a]
<class 'int'>
>>> Aku[a:4] #Slicing A dengan 4 di variable Aku
(219,)
>>> type(Aku[4]) #mengetahui type data Aku[4]
<class 'str'>
>>> Aku[0] = "ok" #kata ok tersimpan di variable Aku indexing ke 0
Traceback (most recent call last):
  File "<pyshell#13>", line 1, in <module>
    Aku[0] = "ok" #kata ok tersimpan di variable Aku indexing ke 0
TypeError: 'tuple' object does not support item assignment
>>> type(Data) #mengetahui type data Data
<class 'tuple'>
>>> type(Data[4]) #mengetahui type data Data[4]
<class 'str'>
>>> Data[4][5] #mengambil list ke 4 ke urutan ke 5
'a'
>>> Data [4][a:6] #mengambil list data ke 4 ke urutan antara data a sampai 6
'lia'
>>> Data[0] = "ok"; Data #kata ok disimpan di variable data ke 0 lalu membuat data baru
Traceback (most recent call last):
  File "<pyshell#15>", line 1, in <module>
    Data[0] = "ok"; Data #kata ok disimpan di variable data ke 0 lalu membuat data baru
TypeError: 'tuple' object does not support item assignment
>>> Data [0] = "ok"; Data #kata ok disimpan di variable data ke 0 lalu membuat data baru
Traceback (most recent call last):
  File "<pyshell#15>", line 1, in <module>
    Data [0] = "ok"; Data #kata ok disimpan di variable data ke 0 lalu membuat data baru
TypeError: 'tuple' object does not support item assignment
>>> Data [-a] #mengambil data -a ke variable Data
1.55
>>> range(a) #jarak di data a
range(0, 3)
```

```
Python 3.7.4 Shell
File Edit Shell Debug Options Window Help
Python 3.7.4 [tags/v3.7.4:ed935112e, Jul 8 2019, 19:29:22] [MSC v.1916 32 bit (Intel)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>> Nama = "Adelia Putri Nur Ahni" #nama lengkap saya
>>> NIM = 219 # NIM Saya
>>> Tinggi = 1.55 #tinggi saya dalam meter
>>> Berat = 46 #berat saya dalam kg
>>> TahunLahir = 2001 #tahun lahir saya
>>> Aku = (TahunLahir, Berat, Tinggi, NIM, Nama) #biodata tersimpan dalam tuple aku
>>> Data = (TahunLahir, Berat, Tinggi, NIM, Nama) #biodata tersimpan dalam list Data
>>> type(Aku) #Mengetahui Type data Aku
<class 'tuple'>
>>> Aku[0] #Indexing data ke 0 dari variable Aku
2001
>>> a = NIM % 4; Aku[a] #menyimpan hasil sisa NIM dibagi 4, lalu hasil a dimasukkan ke variable Aku
219
>>> type(Aku[a]) #mengetahui Type data Aku[a]
<class 'int'>
>>> Aku[a:4] #Slicing A dengan 4 di variable Aku
(219,)
>>> type(Aku[4]) #mengetahui type data Aku[4]
<class 'str'>
>>> Aku[0] = "ok" #kata ok tersimpan di variable Aku indexing ke 0
Traceback (most recent call last):
  File "<pyshell#13>", line 1, in <module>
    Aku[0] = "ok" #kata ok tersimpan di variable Aku indexing ke 0
TypeError: 'tuple' object does not support item assignment
>>> type(Data) #mengetahui type data Data
<class 'tuple'>
>>> type(Data[4]) #mengetahui type data Data[4]
<class 'str'>
>>> Data[4][5] #mengambil list ke 4 ke urutan ke 5
'a'
>>> Data [4][a:6] #mengambil list data ke 4 ke urutan antara data a sampai 6
'lia'
>>> Data[0] = "ok"; Data #kata ok disimpan di variable data ke 0 lalu membuat data baru
Traceback (most recent call last):
  File "<pyshell#15>", line 1, in <module>
    Data[0] = "ok"; Data #kata ok disimpan di variable data ke 0 lalu membuat data baru
TypeError: 'tuple' object does not support item assignment
>>> Data [0] = "ok"; Data #kata ok disimpan di variable data ke 0 lalu membuat data baru
Traceback (most recent call last):
  File "<pyshell#15>", line 1, in <module>
    Data [0] = "ok"; Data #kata ok disimpan di variable data ke 0 lalu membuat data baru
TypeError: 'tuple' object does not support item assignment
>>> Data [-a] #mengambil data -a ke variable Data
1.55
>>> range(a) #jarak di data a
range(0, 3)
>>> |
```