

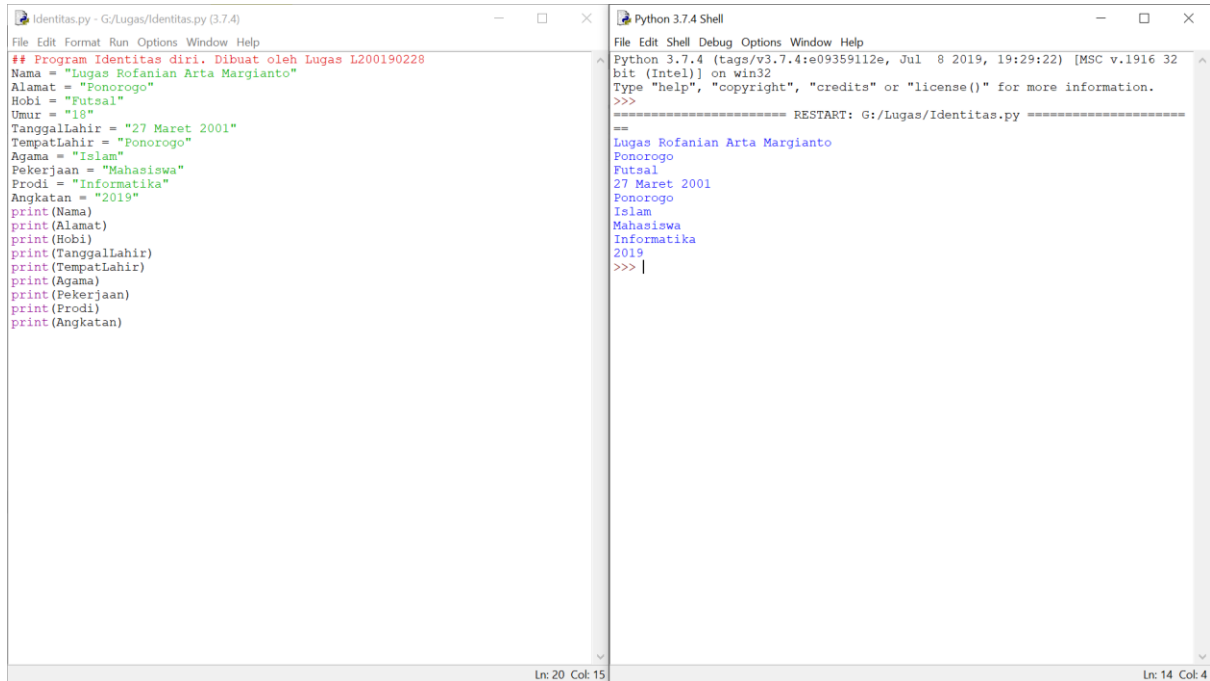
Nama : Lugas Rofanian Arta Margianto

NIM : L200190228

Praktikum Algoritma dan Pemrograman

Modul 6

Kegiatan 1



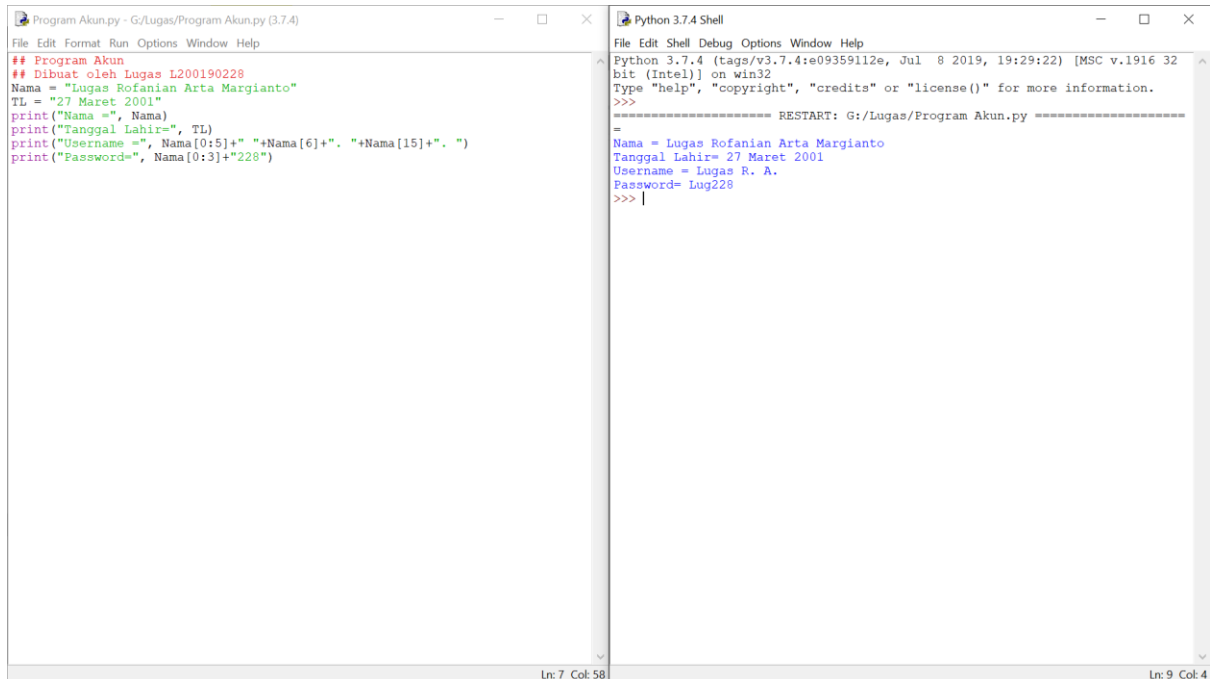
The screenshot shows a Python 3.7.4 IDE with two windows. The left window, titled 'Identitas.py - G:/Lugas/identitas.py (3.7.4)', contains the following code:

```
## Program Identitas diri. Dibuat oleh Lugas L200190228
Nama = "Lugas Rofanian Arta Margianto"
Alamat = "Ponorogo"
Hobi = "Futsal"
Umur = "18"
TanggalLahir = "27 Maret 2001"
TempatLahir = "Ponorogo"
Agama = "Islam"
Pekerjaan = "Mahasiswa"
Prodi = "Informatika"
Angkatan = "2019"
print(Nama)
print(Alamat)
print(Hobi)
print(TanggalLahir)
print(TempatLahir)
print(Agama)
print(Pekerjaan)
print(Prodi)
print(Angkatan)
```

The right window, titled 'Python 3.7.4 Shell', shows the output of the program:

```
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: G:/Lugas/Identitas.py =====
Lugas Rofanian Arta Margianto
Ponorogo
Futsal
27 Maret 2001
Ponorogo
Islam
Mahasiswa
Informatika
2019
>>> |
```

Kegiatan 2



The screenshot shows a Python 3.7.4 IDE with two windows. The left window, titled 'Program Akun.py - G:/Lugas/Program Akun.py (3.7.4)', contains the following code:

```
## Program Akun
## Dibuat oleh Lugas L200190228
Nama = "Lugas Rofanian Arta Margianto"
TL = "27 Maret 2001"
print("Nama =", Nama)
print("Tanggal Lahir=", TL)
print("Username =", Nama[0:5]+" "+Nama[6]+" "+Nama[15]+". ")
print("Password=", Nama[0:3]+"228")
```

The right window, titled 'Python 3.7.4 Shell', shows the output of the program:

```
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: G:/Lugas/Program Akun.py =====
Nama = Lugas Rofanian Arta Margianto
Tanggal Lahir= 27 Maret 2001
Username = Lugas R. A.
Password= Lug228
>>> |
```

Kegiatan 3

```
Python 3.8.0 Shell - C:/Users/User/Documents/webstatist/algopro/kegiatan 3.Operator.py (3.8.0)
File Edit Shell Debug Options Window Help
Python 3.8.0 (tags/v3.8.0:fa919fd, Oct 14 2019, 19:21:23) [MSC v.1916 32 bit (Intel)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>> Nama = "Lugas Rofanian Arta Margianto"
>>> NIM = "L200190228"
>>> X = "1" + NIM[7:]
>>> a = int(X) # konversi string ke integer
>>> b = len(Nama)
>>> type(a)
<class 'int'>
>>> type(b)
<class 'int'>
>>> a / b # variabel a dibagi b
42.3446275862069
>>> a // b # variabel a dibagi b dengan dibulatkan
42
>>> 10 * (a - 999) # variabel a dikurangi 999 lalu dikali 10
2290
>>> b ** 2 # variabel b berpangkat 2
841
>>> a % b # variabel a modulus variabel b
10
>>> c = 12.5
>>> type(c) # cek tipe data variabel c
<class 'float'>
>>> a / c # variabel a dibagi dengan variabel c
98.24
>>> a // c # variabel a dibagi dengan c dengan dibulatkan
98.0
>>> a % c # variabel a modulus c
3.0
>>> c > b # cek apakah variabel c lebih besar dari b
False
>>> type(c > b) #cek tipe data operasi c > b
<class 'bool'>
>>> a > b and b > c # apakah a lebih dari b dan b lebih dari c
True
>>> a > 1100 or b < 10 # apakah a lebih dari 1100 atau b kurang dari 10
True
>>>
```

Kegiatan 4

```
Python 3.7.4 Shell
File Edit Shell Debug Options Window Help
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.
>>> Nama = "Lugas Rofanian Arta Margianto"
>>> NIM = 228
>>> Tinggi = 1.7
>>> Berat = 56
>>> TahunLahir = 2001
>>> Aku = (TahunLahir, Berat, Tinggi, NIM, Nama)
>>> Data = [TahunLahir, Berat, Tinggi, NIM, Nama]
>>> type(Aku)
<class 'tuple'>
>>> Aku[0]
2001
>>> a = NIM % 4; Aku[a]
2001
>>> type(Aku[a])
<class 'int'>
>>> Aku[a:4]
(2001, 56, 1.7, 228)
>>> type(Aku[4])
<class 'str'>
>>> Aku[0] = "ok"
Traceback (most recent call last):
  File "<pyshell#13>", line 1, in <module>
    Aku[0] = "ok"
TypeError: 'tuple' object does not support item assignment
>>> # Error karena isi dari data "TahunLahir" adalah data yang bertipe tuple
>>> type(Data)
<class 'list'>
>>> type(Data[4])
<class 'str'>
>>> Data[4][5]
,
>>> Data[4][a:6]
'Lugas '
>>> Data[0] = "ok"; Data
['ok', 56, 1.7, 228, 'Lugas Rofanian Arta Margianto']
>>> Data[-a]
'ok'
>>> range(a)
range(0, 0)
>>>
```