LAPORAN PRAKTIKUM

Pertemuan 1

Instalasi dan Pengenalan Anaconda Phtyon

Disusun Oleh :

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PURWOKERTO

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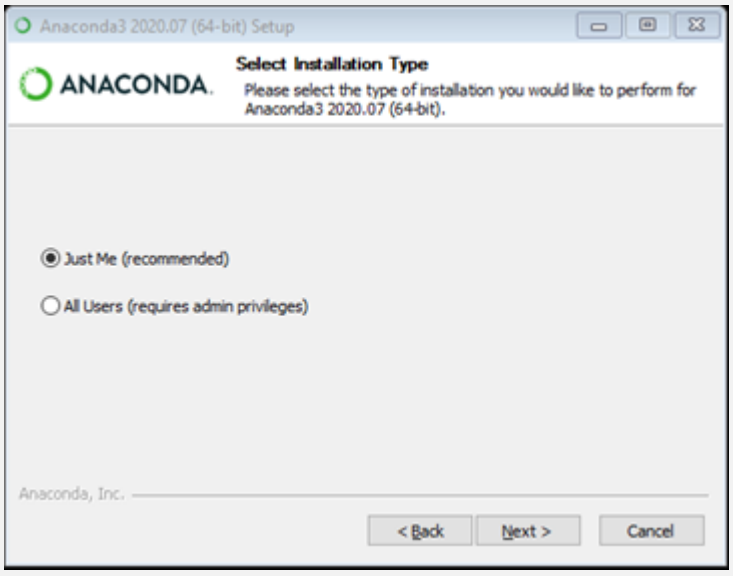
BAB I

INSTALASI ANACONDA PHYTON

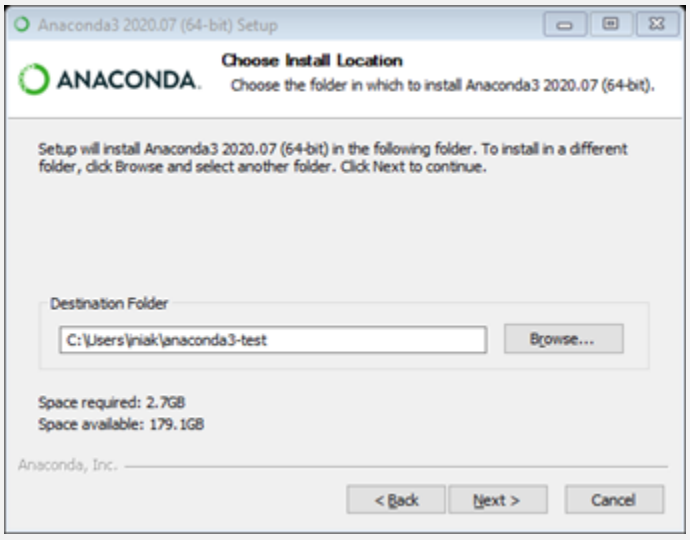
1.Download anaconda melalui link berikut, https://www.anaconda.com/products/individual

2. Pilih versi OS sesuai komputer kamu. Setelah itu tunggu, dan jalankan **run as administrator** di aplikasi anacondanya. Ntar bakalan muncul popup instalasi kaya gini, klik **next** aja, setelah itu klik **I agree**

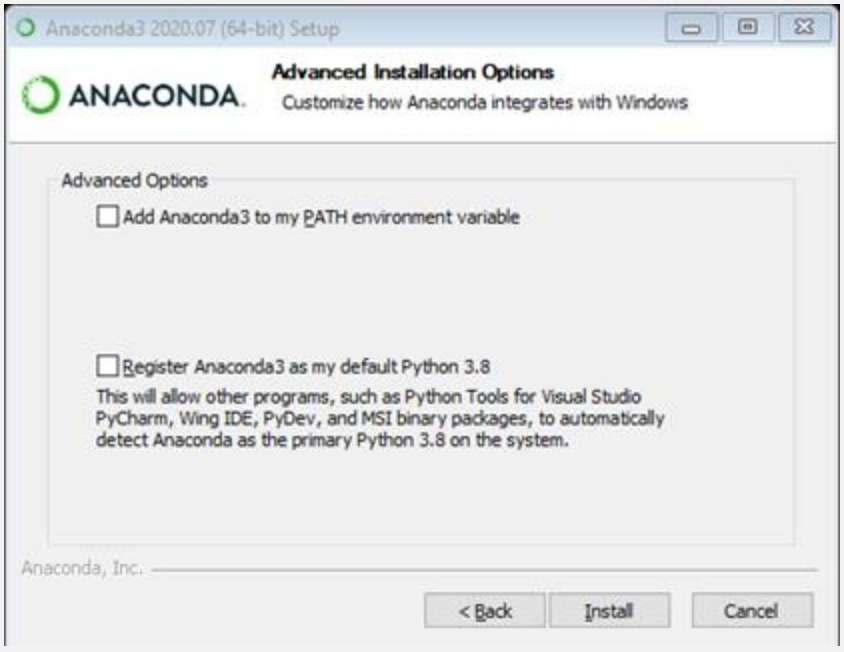
3. Setelah itu, bakalan ada pilihan kaya gini, pilih yang **Just Me** aja, terus klik next



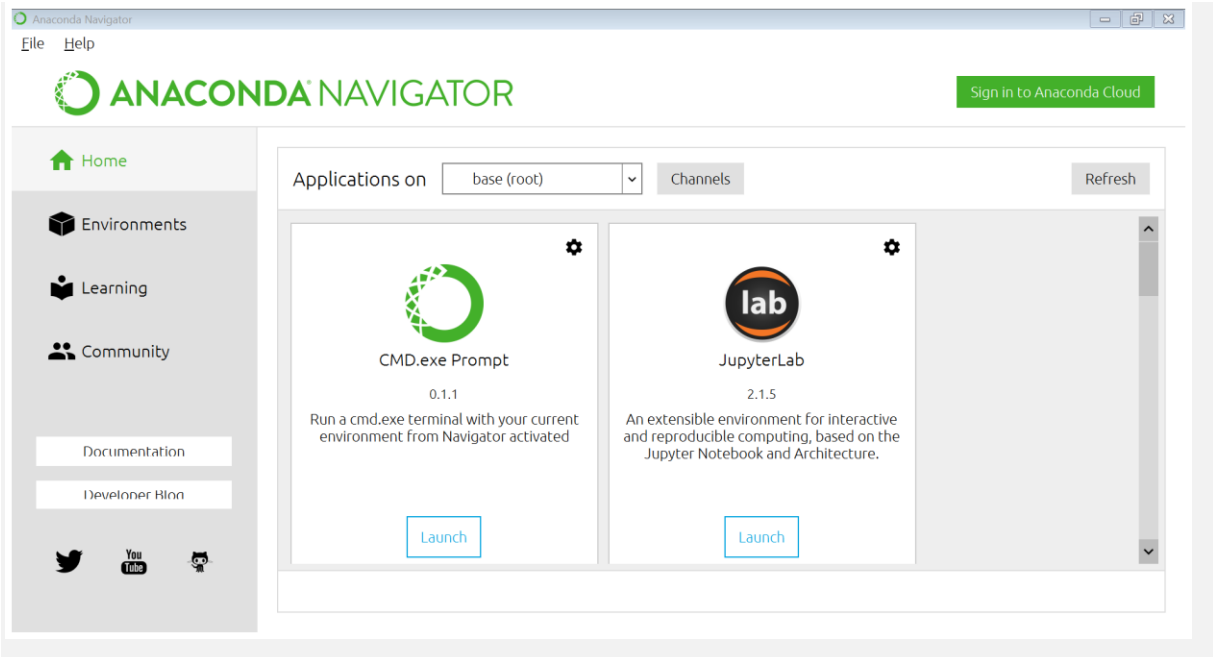
4. Pilih folder anaconda bakal diinstal, klik **next**



5. Opsi ini ga perlu dicheck untuk yg pertama, karena kalau kita mau nginstall anaconda baru, padahal versi sebelumnya udah dihapus, dia mungkin bakalan error. Opsi yang kedua ga dicheck juga ga masalah kalau di laptop kamu udah ada python terpisah dari python bawaan anaconda. Lalu klik install



6. Tunggu proses selesai. Setelah aplikasi berhasil diinstall, kita bisa search aplikasi anaconda di windows. Dan bakalan muncul Anaconda Navigator yg kaya gini tampilannya.



Oke kita bedah menunya satu-satu ya, jadi menu **Home** menyimpan berbagai tools keren yang bakal berguna banget buat ngoding, ada jupyterlab, jupyter notebook, qt console, spyder, vscode, glueviz, orange3, dan rstudio. Kalau kita ga pake anaconda, kita harus install satu — satu software tersebut. Cukup memakan waktu sih kalau kita pengen cepet juga.

BAB II

Praktikum

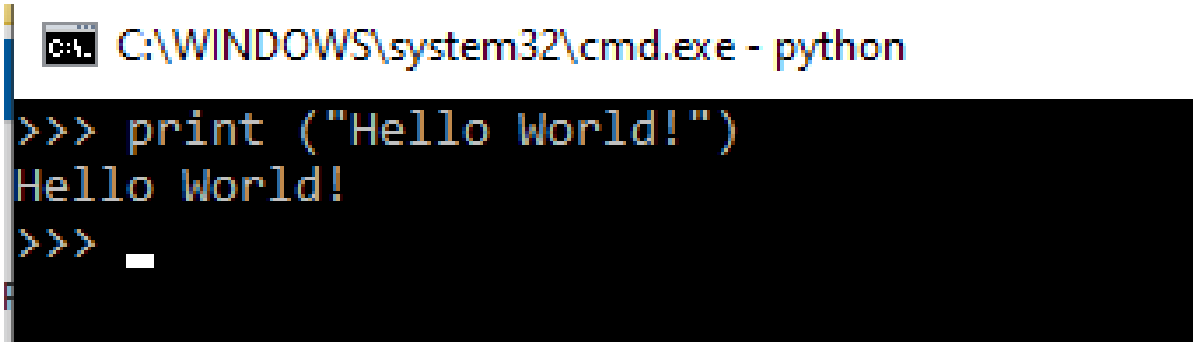
1. **Contoh 1**

```
C:\WINDOWS\system32\cmd.exe - python
Microsoft Windows [Version 10.0.19041.928]
(c) Microsoft Corporation. All rights reserved.

(base) C:\Users\faiz>python
Python 3.8.5 (default, Sep  3 2020, 21:29:08) [MSC v.1916 64 bit (AMD64)] :: Anaconda, Inc. on win32
Type "help", "copyright", "credits" or "license" for more information.
>>> nama = 'ucok'
>>> nama
'ucok'
>>> print (nama)
ucok
>>>
>>> umur = 20
>>> print(nama,"berumur", umur, "tahun")
ucok berumur 20 tahun
>>>
```

Print nama dan umur

2. **Contoh 2**



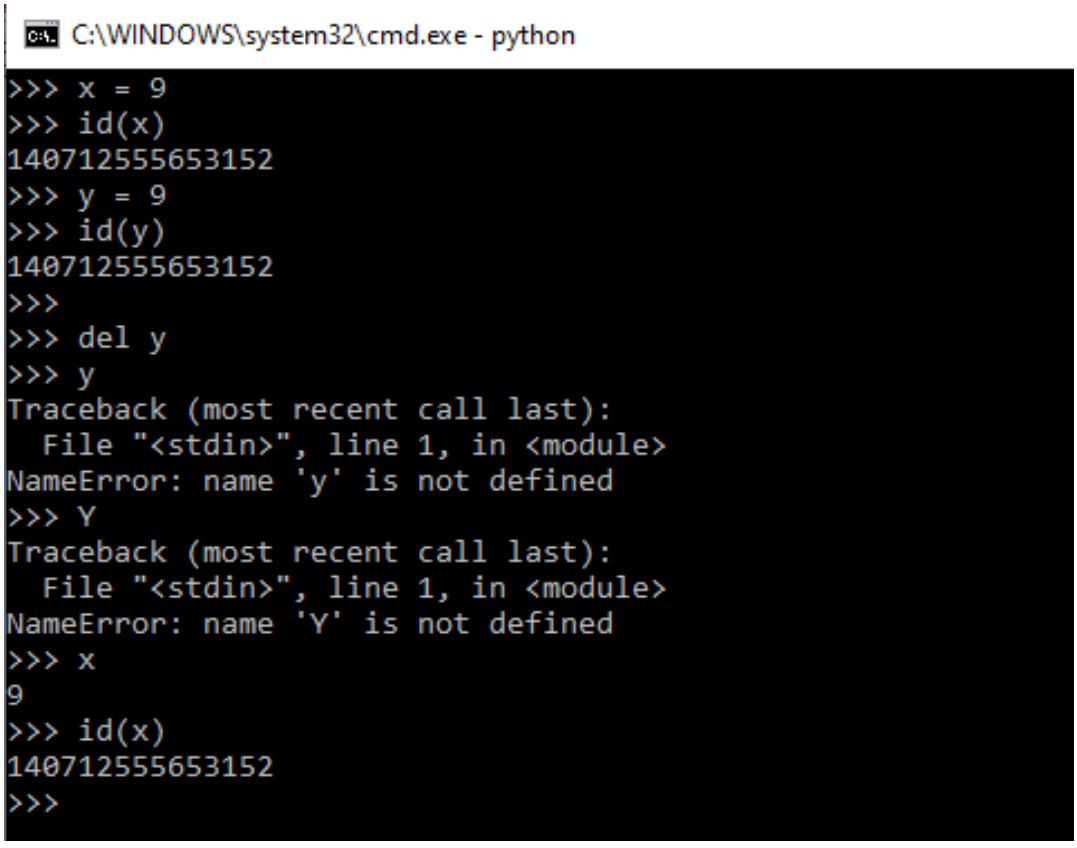
Print kalimat Hello World

3. **Contoh 3**

a)

Tipe-tipe jenis data

b)

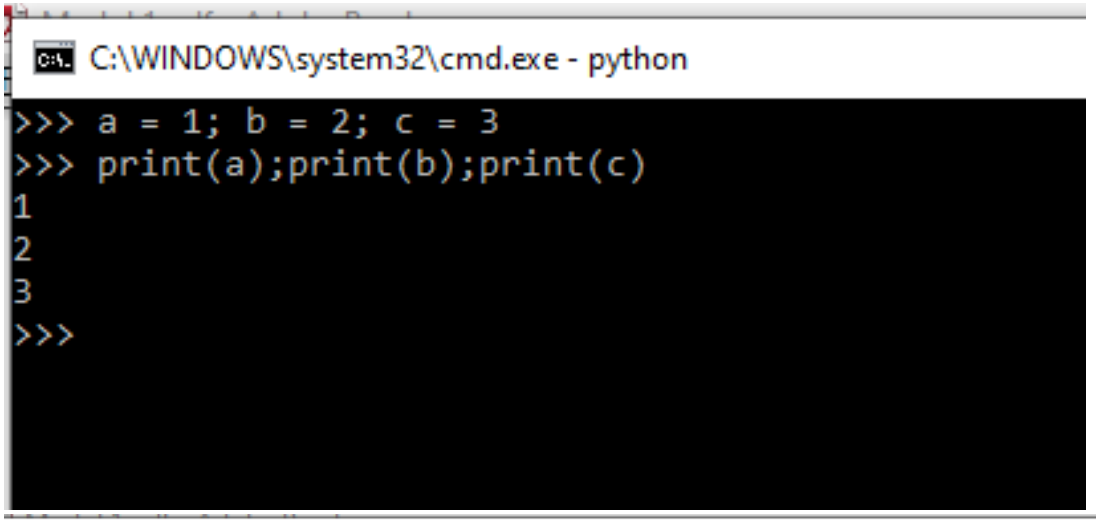


4. **Contoh 4**

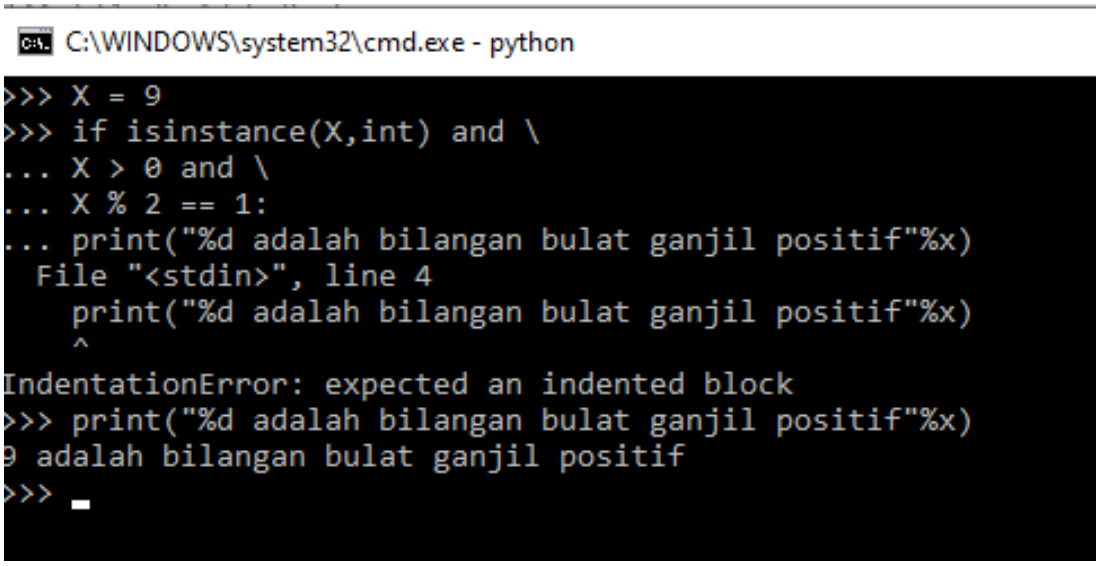
```
>>>
>>> posisi= (300,300)
>>> posisi
(300, 300)
>>>
>>> posisi
(300, 300)
>>> Posisi
Traceback (most recent call last):
  File "<stdin>", line 1, in <module>
NameError: name 'Posisi' is not defined
>>>
```

5. **Contoh 5**

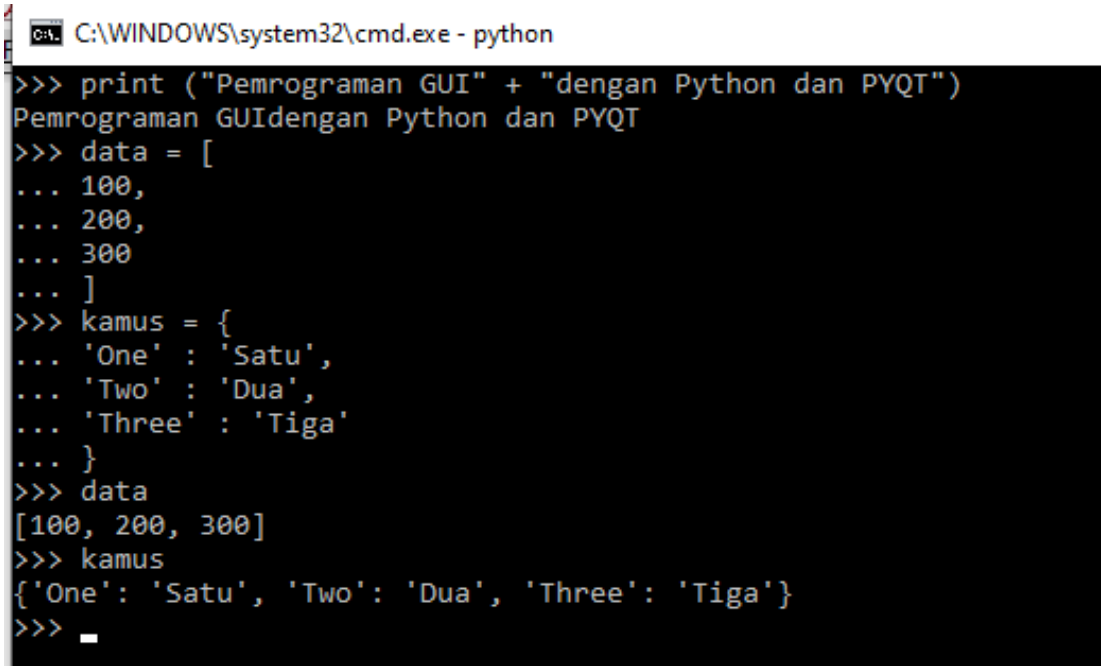
a)



b)

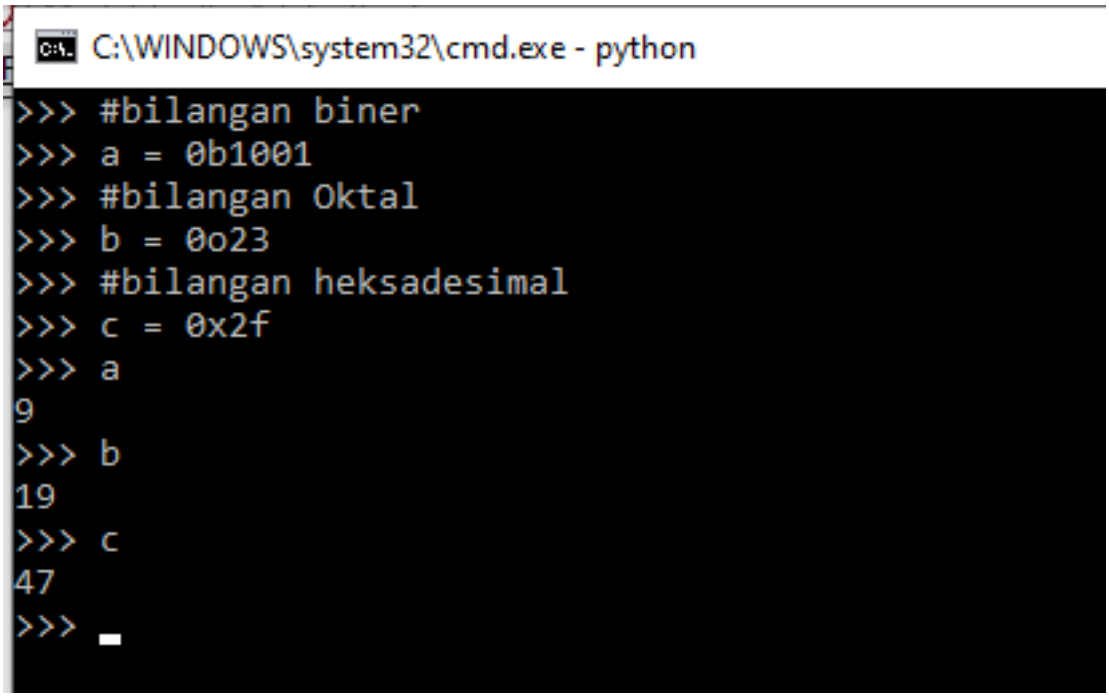


c)

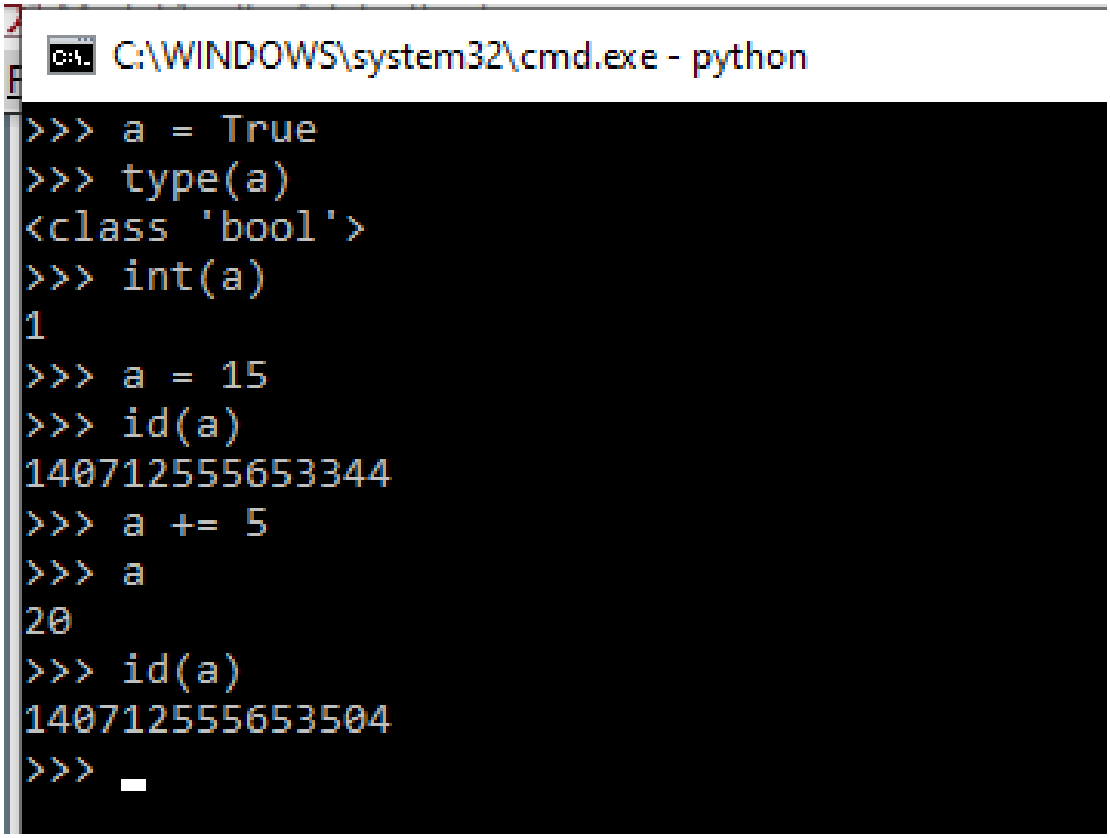

C:\WINDOWS\system32\cmd.exe - python
>>> print ("Pemrograman GUI" + "dengan Python dan PYQT")
Pemrograman GUIdengan Python dan PYQT
>>> data = [
... 100,
... 200,
... 300
...]
>>> kamus = {
... 'One' : 'Satu',
... 'Two' : 'Dua',
... 'Three' : 'Tiga'
... }
>>> data
[100, 200, 300]
>>> kamus
{'One': 'Satu', 'Two': 'Dua', 'Three': 'Tiga'}
>>>

6. Contoh 6

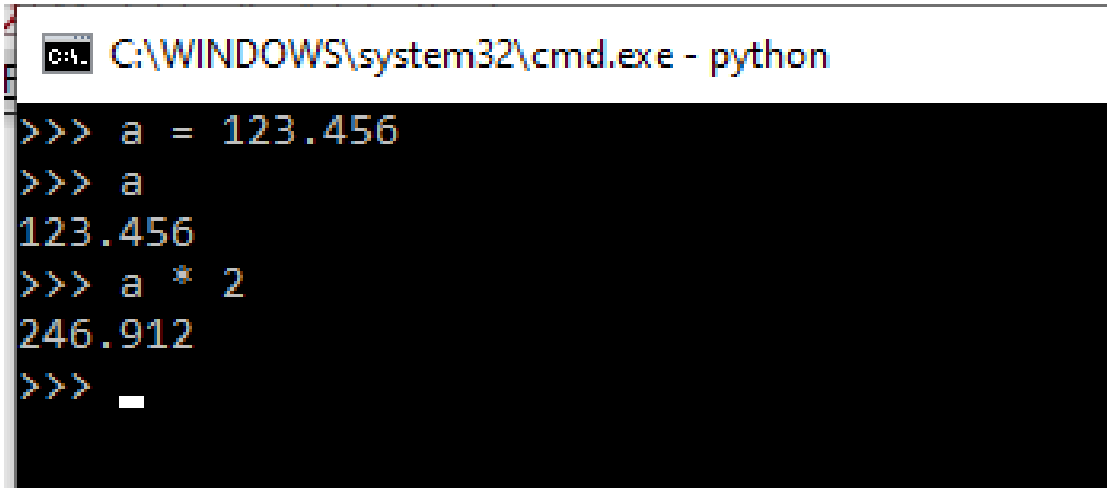
a)


C:\WINDOWS\system32\cmd.exe - python
>>> #bilangan biner
>>> a = 0b1001
>>> #bilangan Oktal
>>> b = 0o23
>>> #bilangan heksadesimal
>>> c = 0x2f
>>> a
9
>>> b
19
>>> c
47
>>>

b)

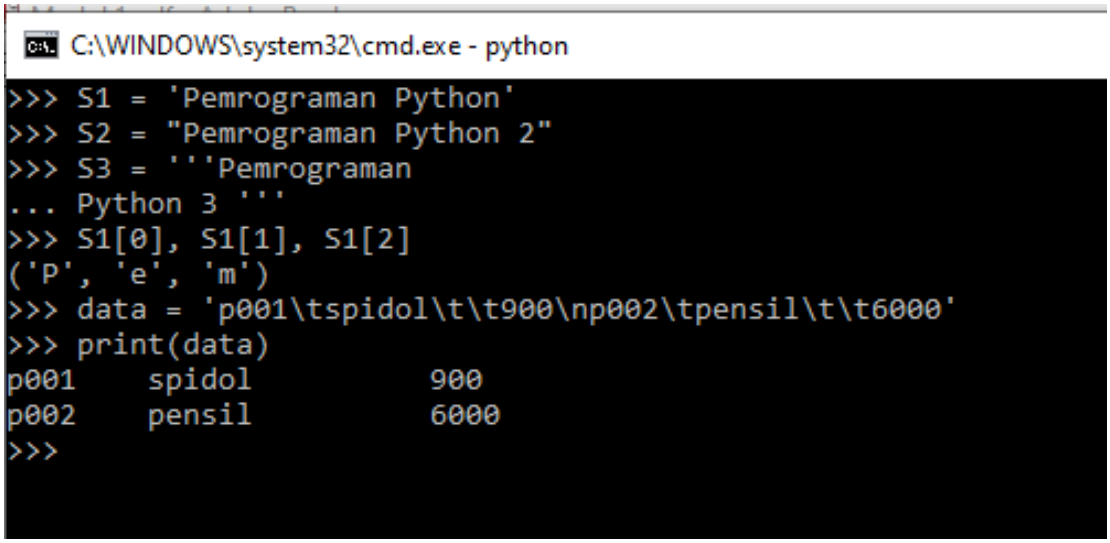

C:\WINDOWS\system32\cmd.exe - python
>>> a = True
>>> type(a)
<class 'bool'>
>>> int(a)
1
>>> a = 15
>>> id(a)
140712555653344
>>> a += 5
>>> a
20
>>> id(a)
140712555653504
>>> _

c)

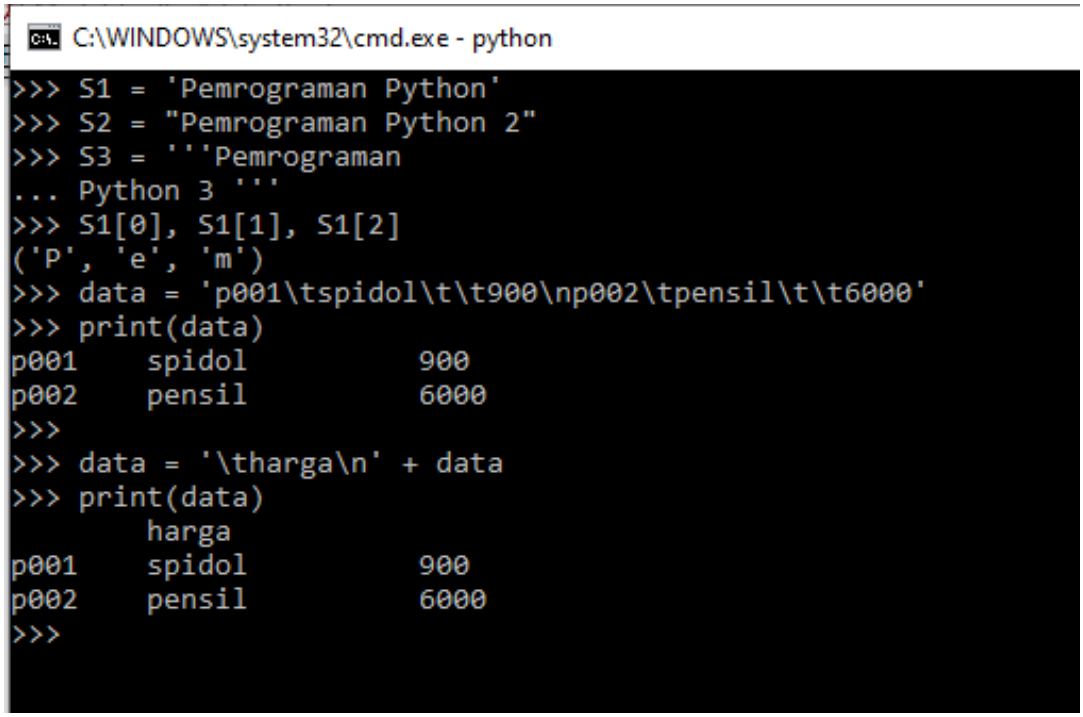

C:\WINDOWS\system32\cmd.exe - python
>>> a = 123.456
>>> a
123.456
>>> a * 2
246.912
>>> _

7. **Contoh 7**

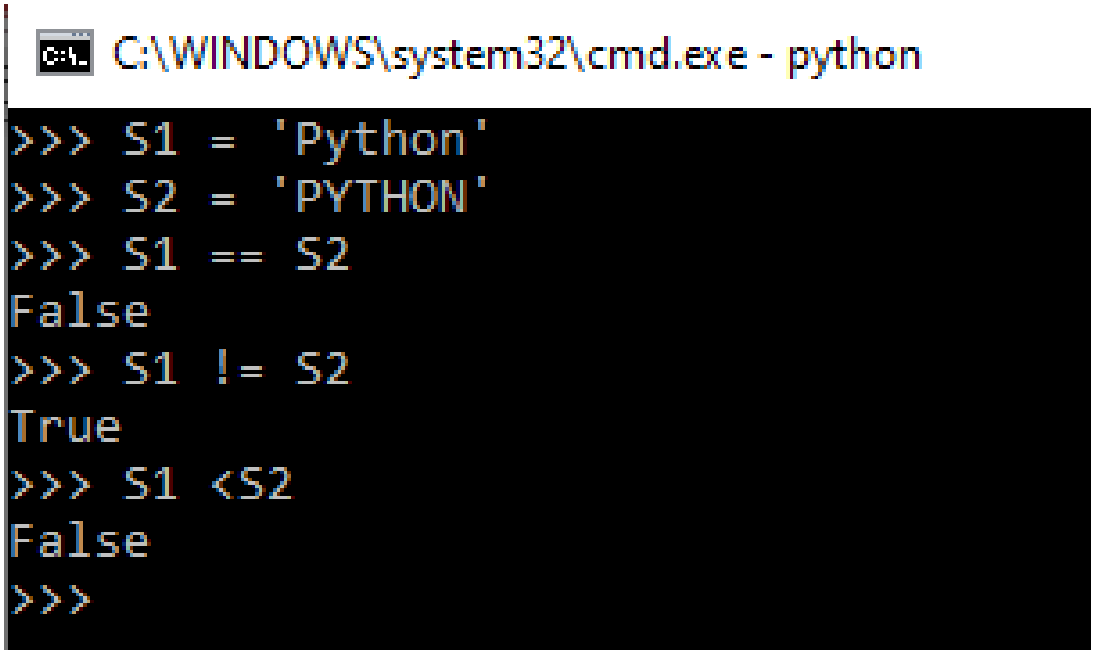
a)


C:\WINDOWS\system32\cmd.exe - python
>>> S1 = 'Pemrograman Python'
>>> S2 = "Pemrograman Python 2"
>>> S3 = '''Pemrograman
... Python 3 '''
>>> S1[0], S1[1], S1[2]
('P', 'e', 'm')
>>> data = 'p001\tspidol\t\t900\np002\tpensil\t\t6000'
>>> print(data)
p001	spidol		900
p002	pensil		6000
>>>

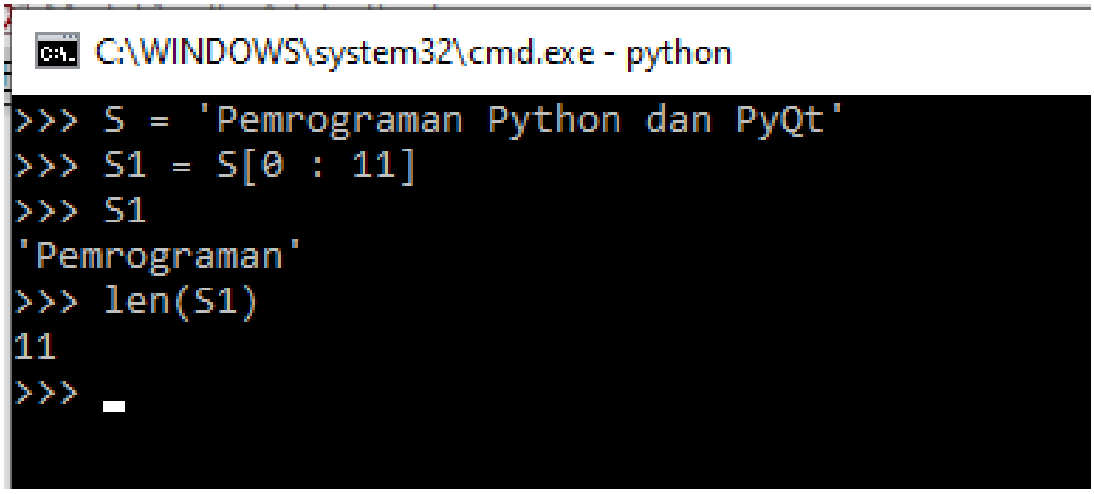
b)


C:\WINDOWS\system32\cmd.exe - python
>>> S1 = 'Pemrograman Python'
>>> S2 = "Pemrograman Python 2"
>>> S3 = '''Pemrograman
... Python 3 '''
>>> S1[0], S1[1], S1[2]
('P', 'e', 'm')
>>> data = 'p001\tspidol\t\t900\np002\tpensil\t\t6000'
>>> print(data)
p001	spidol		900
p002	pensil		6000
>>>
>>> data = '\tharga\n' + data
>>> print(data)
	harga
p001	spidol		900
p002	pensil		6000
>>>

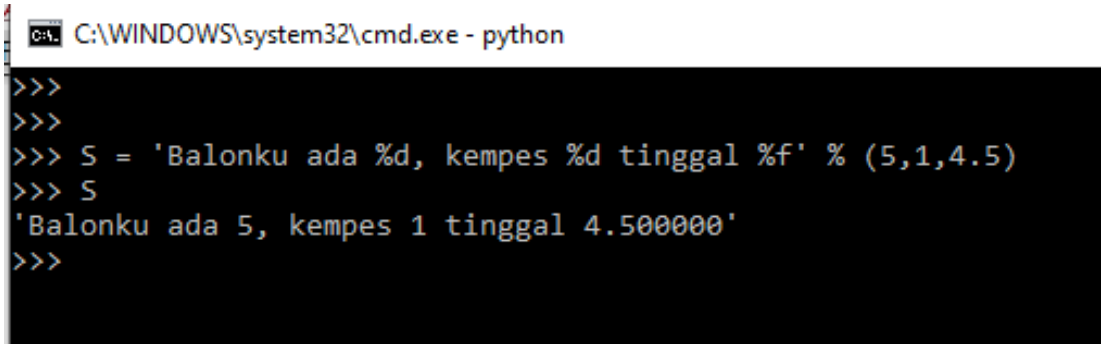
c)



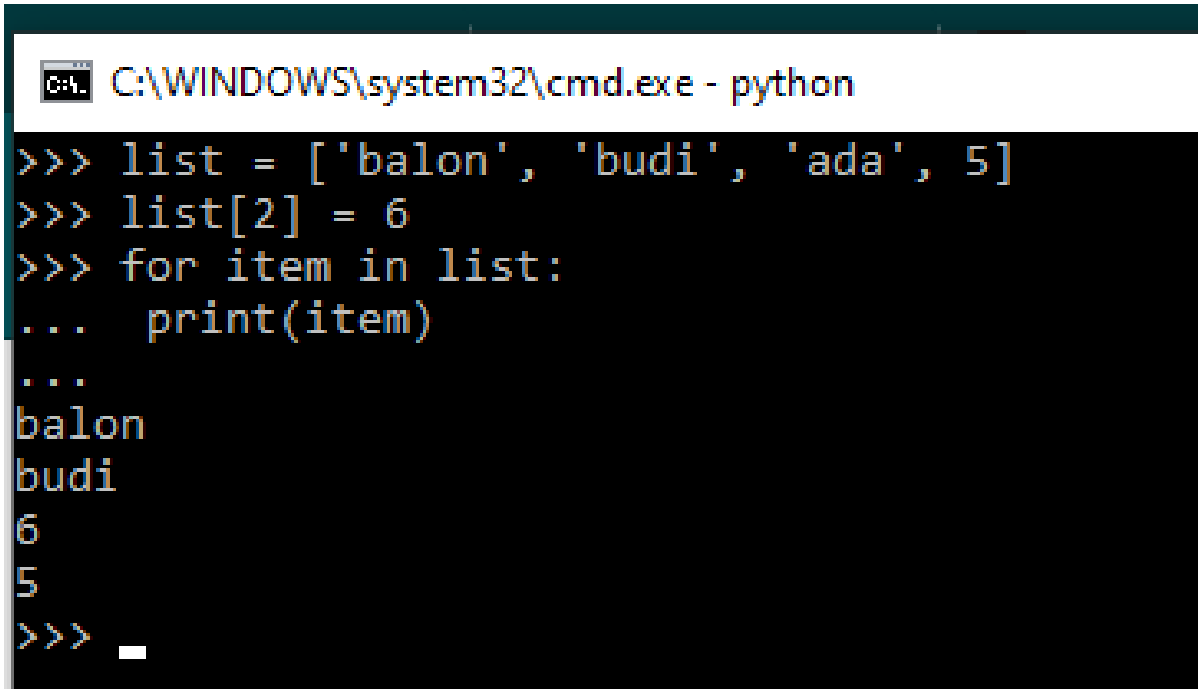
d)



e)



8. Contoh 8


C:\WINDOWS\system32\cmd.exe - python
>>> list = ['balon', 'budi', 'ada', 5]
>>> list[2] = 6
>>> for item in list:
... print(item)
...
balon
budi
6
5
>>> _