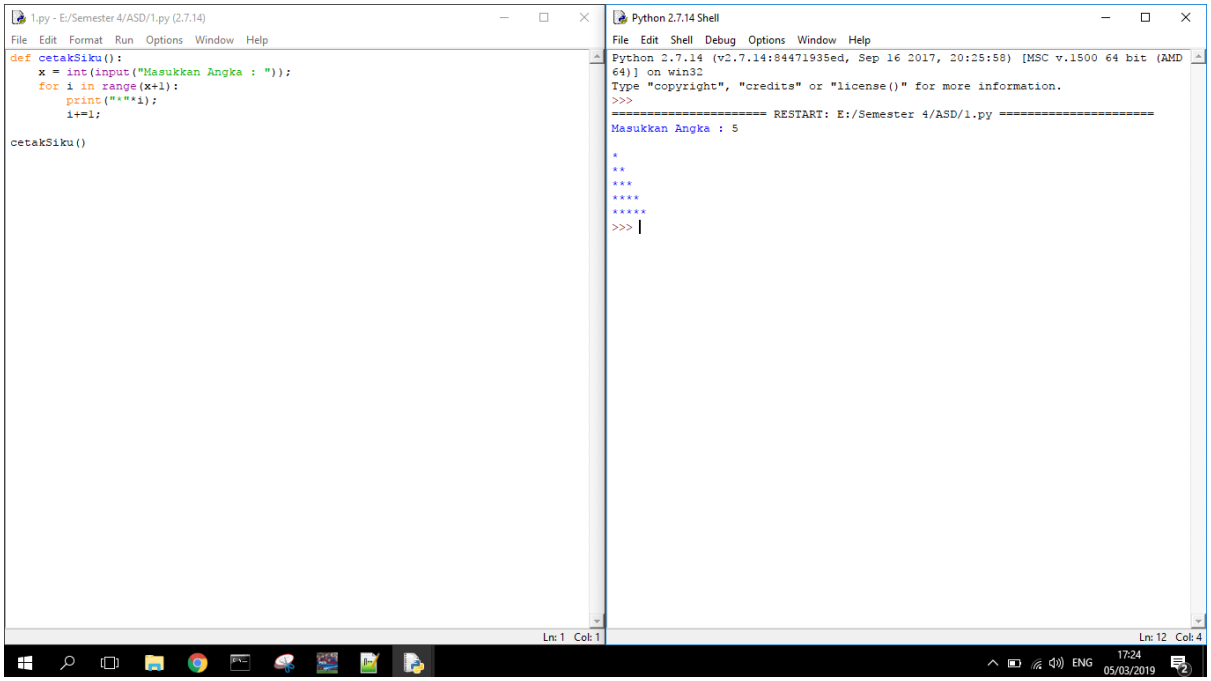
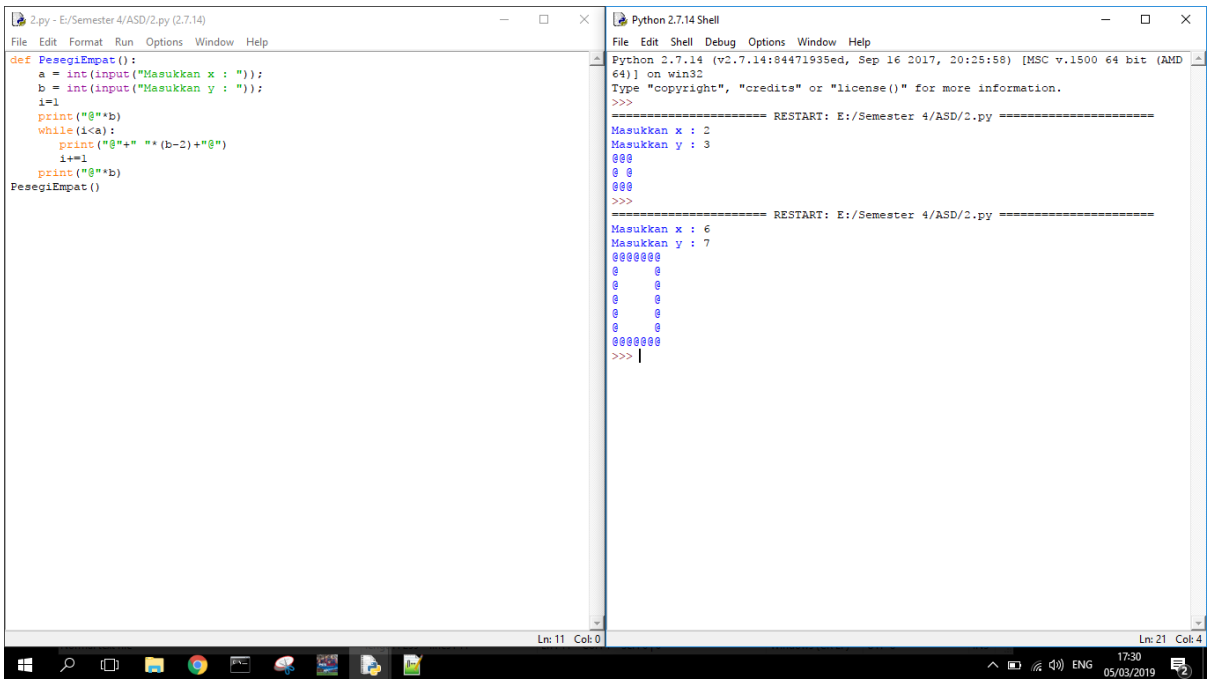
NAMA : PUJI NUGROHO
NIM : L200170123
KELAS : D

Modul 1 : Tinjauan Ulang Python
Soal –soal untuk Mahasiswa

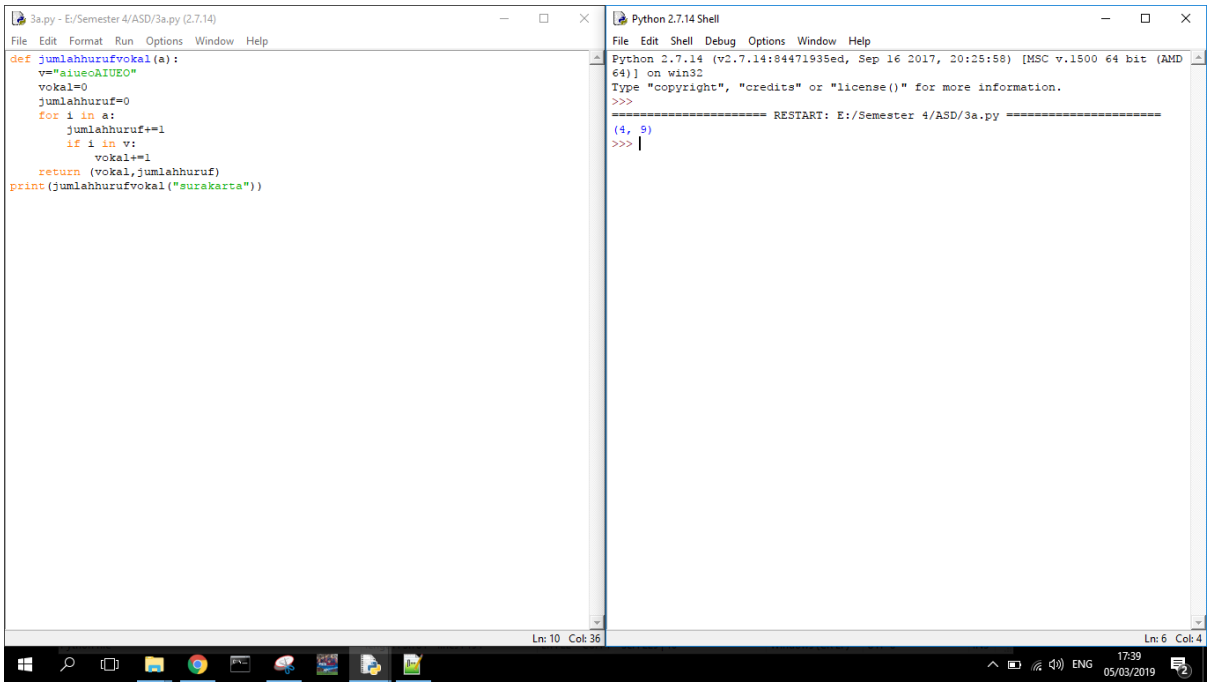
1.



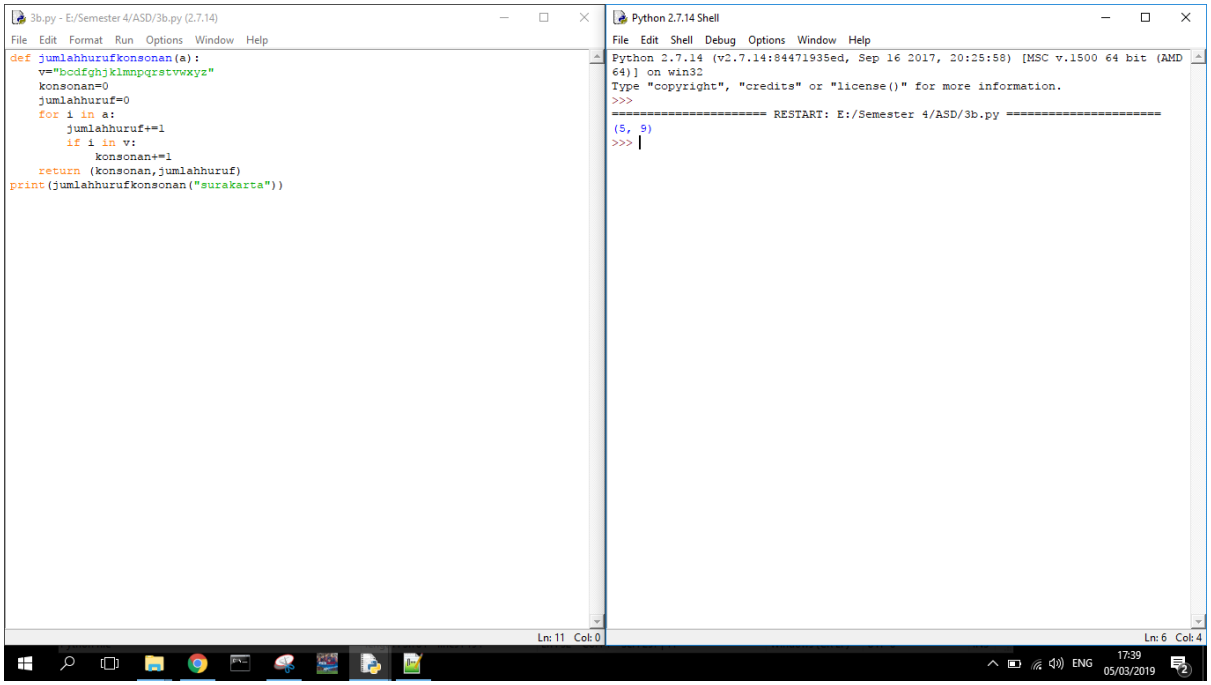
2.



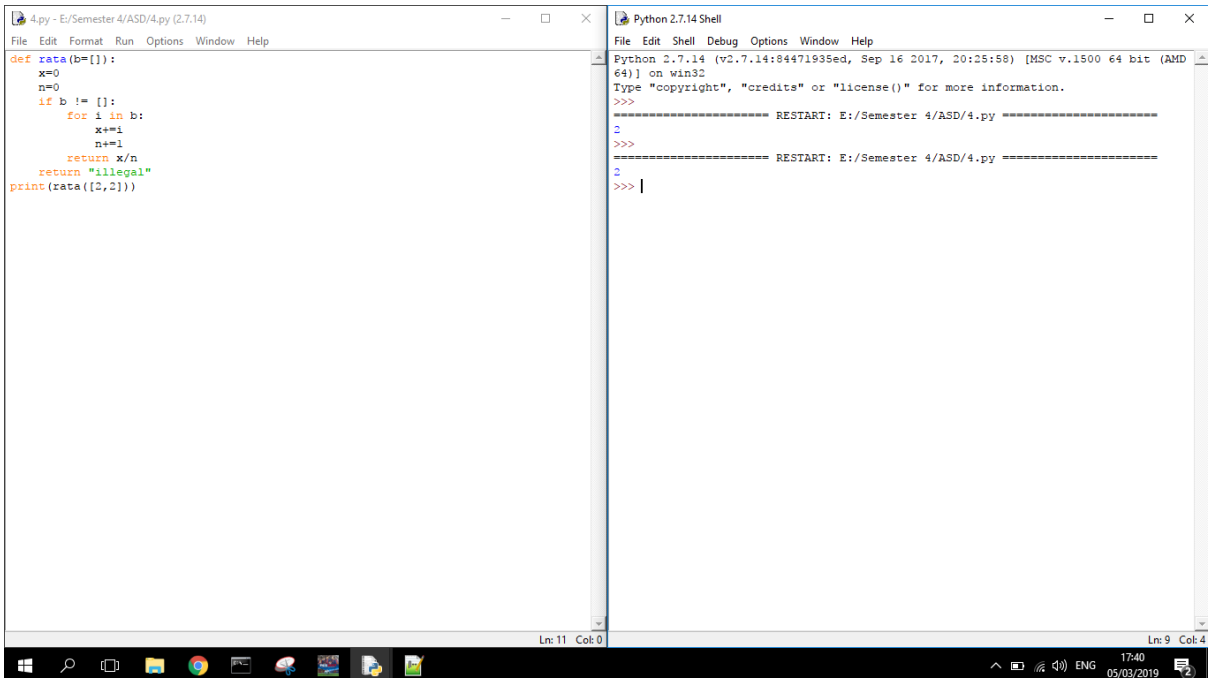
3. a.


3a.py - E:/Semester 4/ASD/3a.py (2.7.14)
File Edit Format Run Options Window Help
def jumlahhurufvokal(a):
v="aiueoAIUEO"
vokal=0
jumlahhuruf=0
for i in a:
jumlahhuruf+=1
if i in v:
vokal+=1
return (vokal,jumlahhuruf)
print(jumlahhurufvokal("surakarta"))
Ln: 10 Col: 36
Python 2.7.14 Shell
File Edit Shell Debug Options Window Help
Python 2.7.14 (v2.7.14:84471935ed, Sep 16 2017, 20:25:58) [MSC v.1500 64 bit (AMD 64)] on win32
Type "copyright", "credits" or "license()" for more information.
>>>
========== RESTART: E:/Semester 4/ASD/3a.py ==========
(4, 9)
>>>
Ln: 6 Col: 4
ENG
17:39
05/03/2019

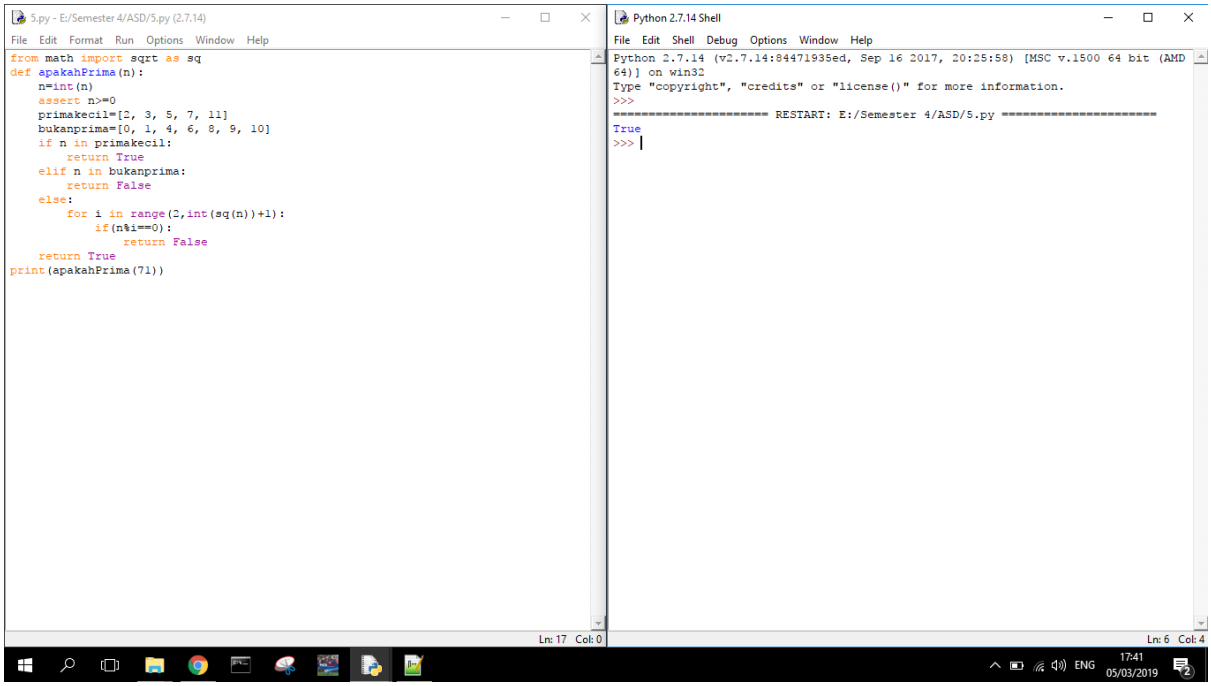
b.


3b.py - E:/Semester 4/ASD/3b.py (2.7.14)
File Edit Format Run Options Window Help
def jumlahhurufkonsonan(a):
v="bcdfghjklmnpqrstvwxyz"
konsonan=0
jumlahhuruf=0
for i in a:
jumlahhuruf+=1
if i in v:
konsonan+=1
return (konsonan,jumlahhuruf)
print(jumlahhurufkonsonan("surakarta"))
Ln: 11 Col: 0
Python 2.7.14 Shell
File Edit Shell Debug Options Window Help
Python 2.7.14 (v2.7.14:84471935ed, Sep 16 2017, 20:25:58) [MSC v.1500 64 bit (AMD 64)] on win32
Type "copyright", "credits" or "license()" for more information.
>>>
========== RESTART: E:/Semester 4/ASD/3b.py ==========
(5, 9)
>>>
Ln: 6 Col: 4
ENG
17:39
05/03/2019

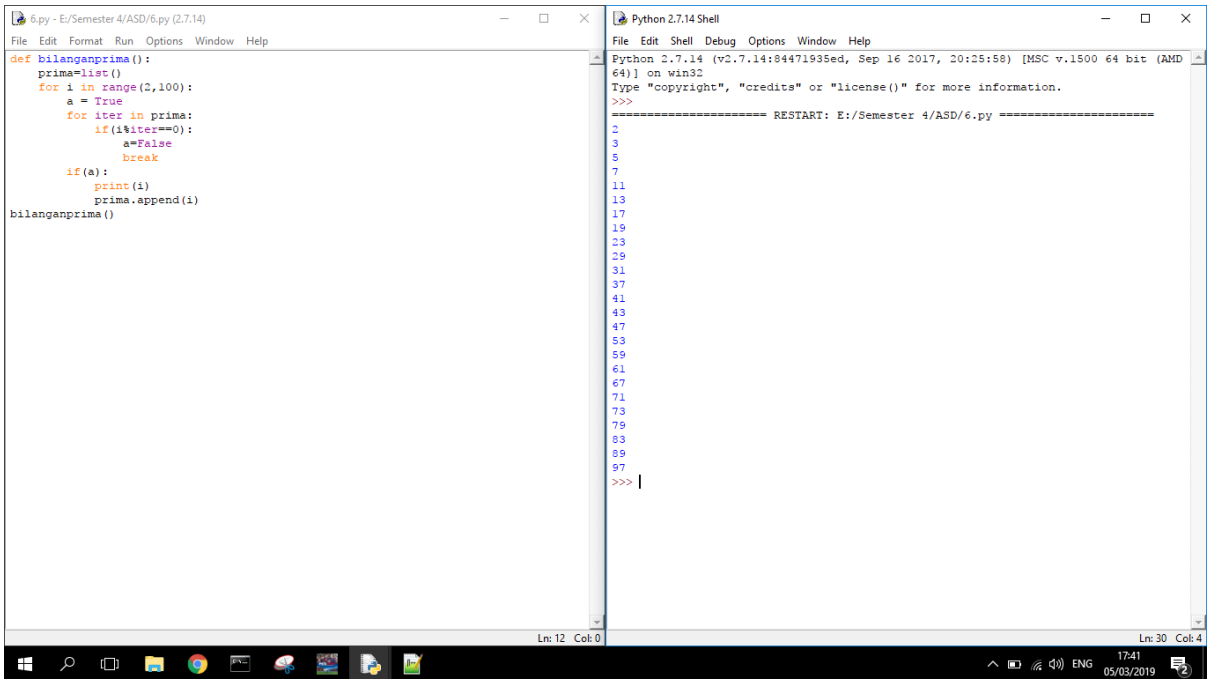
4.


4.py - E:/Semester 4/ASD/4.py (2.7.14)
File Edit Format Run Options Window Help
def rata(b=[]):
x=0
n=0
if b != []:
for i in b:
x+=i
n+=1
return x/n
return "illegal"
print(rata([2,2]))
Ln: 11 Col: 0
Python 2.7.14 Shell
File Edit Shell Debug Options Window Help
Python 2.7.14 (v2.7.14:84471935ed, Sep 16 2017, 20:25:58) [MSC v.1500 64 bit (AMD 64)] on win32
Type "copyright", "credits" or "license()" for more information.
>>>
========== RESTART: E:/Semester 4/ASD/4.py ==========
2
>>>
========== RESTART: E:/Semester 4/ASD/4.py ==========
2
>>>
Ln: 9 Col: 4
ENG
17:40
05/03/2019

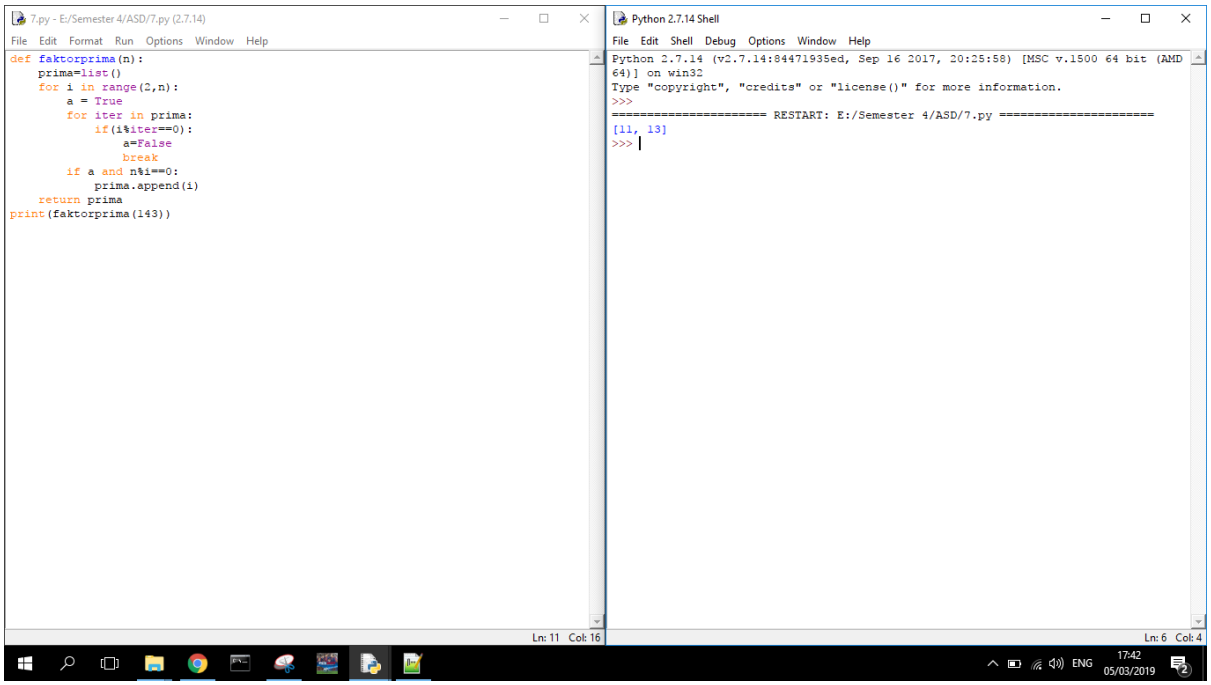
5.


5.py - E:/Semester 4/ASD/5.py (2.7.14)
File Edit Format Run Options Window Help
from math import sqrt as sq
def apakahPrima(n):
n=int(n)
assert n>=0
primakecil=[2, 3, 5, 7, 11]
bukanprima=[0, 1, 4, 6, 8, 9, 10]
if n in primakecil:
return True
elif n in bukanprima:
return False
else:
for i in range(2,int(sq(n))+1):
if(n%i==0):
return False
return True
print(apakahPrima(71))
Ln: 17 Col: 0
Python 2.7.14 Shell
File Edit Shell Debug Options Window Help
Python 2.7.14 (v2.7.14:84471935ed, Sep 16 2017, 20:25:58) [MSC v.1500 64 bit (AMD 64)] on win32
Type "copyright", "credits" or "license()" for more information.
>>>
========== RESTART: E:/Semester 4/ASD/5.py ==========
True
>>>
Ln: 6 Col: 4
ENG
17:41
05/03/2019

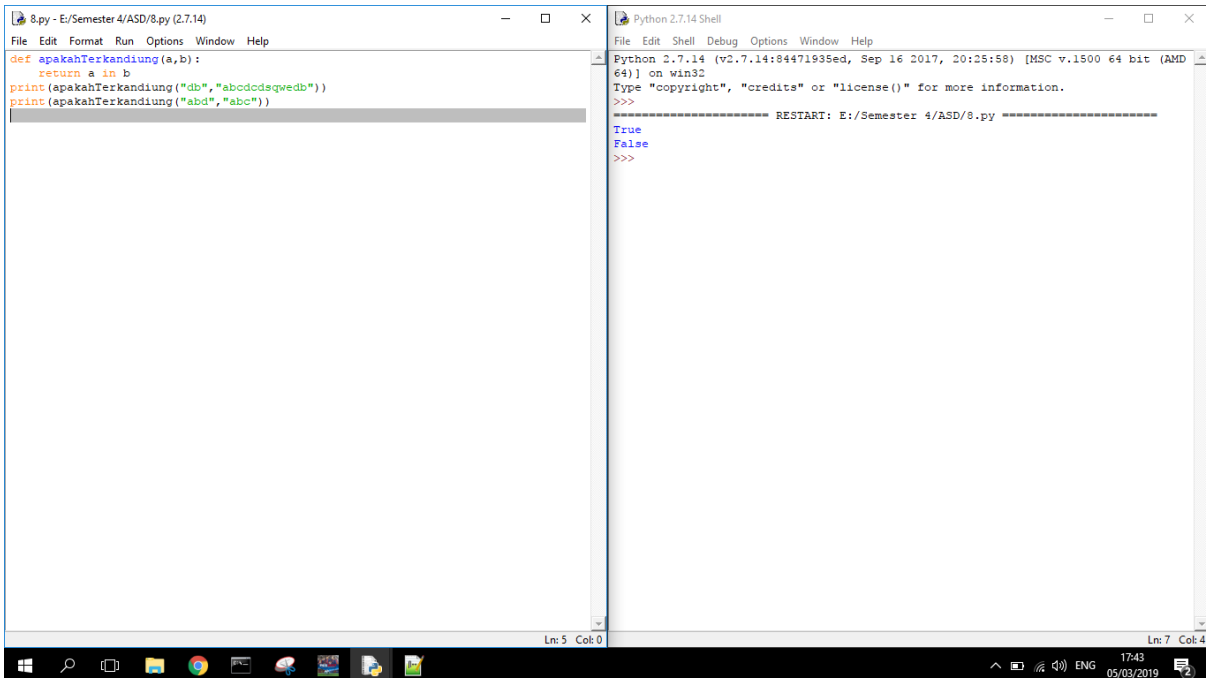
6.


6.py - E:/Semester 4/ASD/6.py (2.7.14)
File Edit Format Run Options Window Help
def bilanganprima():
prima=list()
for i in range(2,100):
a = True
for iter in prima:
if(i%iter==0):
a=False
break
if(a):
print(i)
prima.append(i)
bilanganprima()
Ln: 12 Col: 0
Python 2.7.14 Shell
File Edit Shell Debug Options Window Help
Python 2.7.14 (v2.7.14:84471935ed, Sep 16 2017, 20:25:58) [MSC v.1500 64 bit (AMD 64)] on win32
Type "copyright", "credits" or "license()" for more information.
>>>
========== RESTART: E:/Semester 4/ASD/6.py ==========
2
3
5
7
11
13
17
19
23
29
31
37
41
43
47
53
59
61
67
71
73
79
83
89
97
>>>
Ln: 30 Col: 4
ENG
17:41
05/03/2019

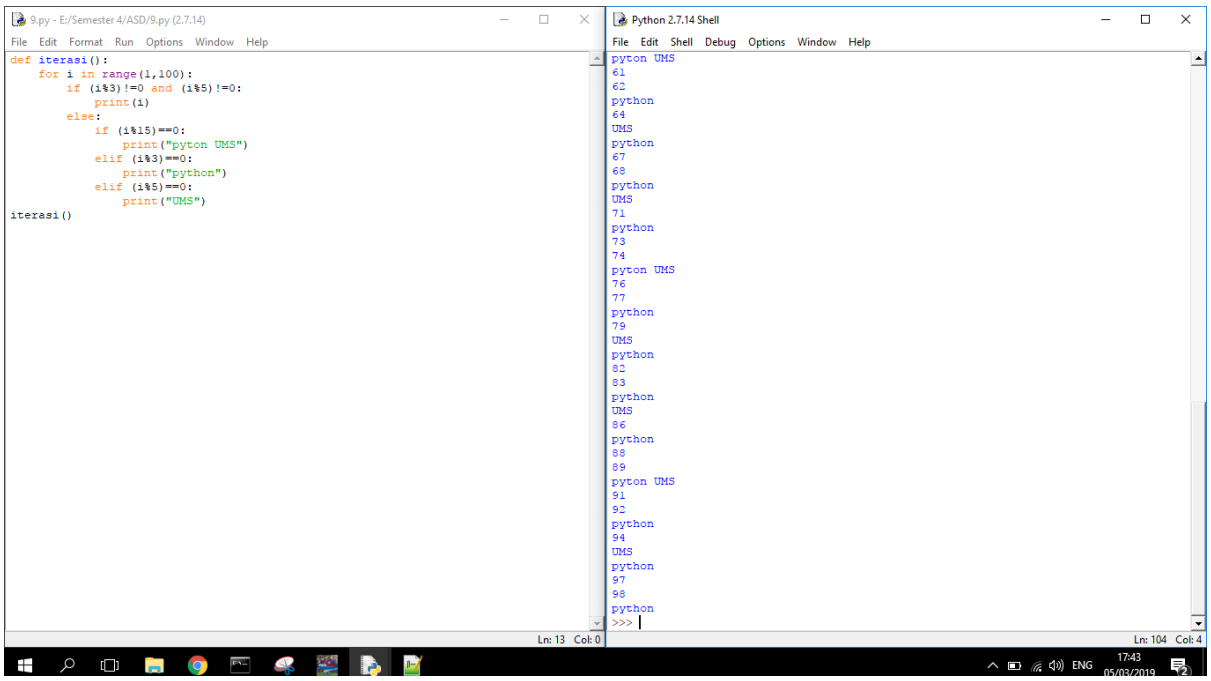
7.


7.py - E:/Semester 4/ASD/7.py (2.7.14)
File Edit Format Run Options Window Help
def faktorprima(n):
prima=list()
for i in range(2,n):
a = True
for iter in prima:
if(i%iter==0):
a=False
break
if a and n%i==0:
prima.append(i)
return prima
print(faktorprima(143))
Ln: 11 Col: 16
Python 2.7.14 Shell
File Edit Shell Debug Options Window Help
Python 2.7.14 (v2.7.14:84471935ed, Sep 16 2017, 20:25:58) [MSC v.1500 64 bit (AMD 64)] on win32
Type "copyright", "credits" or "license()" for more information.
>>>
========== RESTART: E:/Semester 4/ASD/7.py ==========
[11, 13]
>>>
Ln: 6 Col: 4
ENG
17:42
05/03/2019

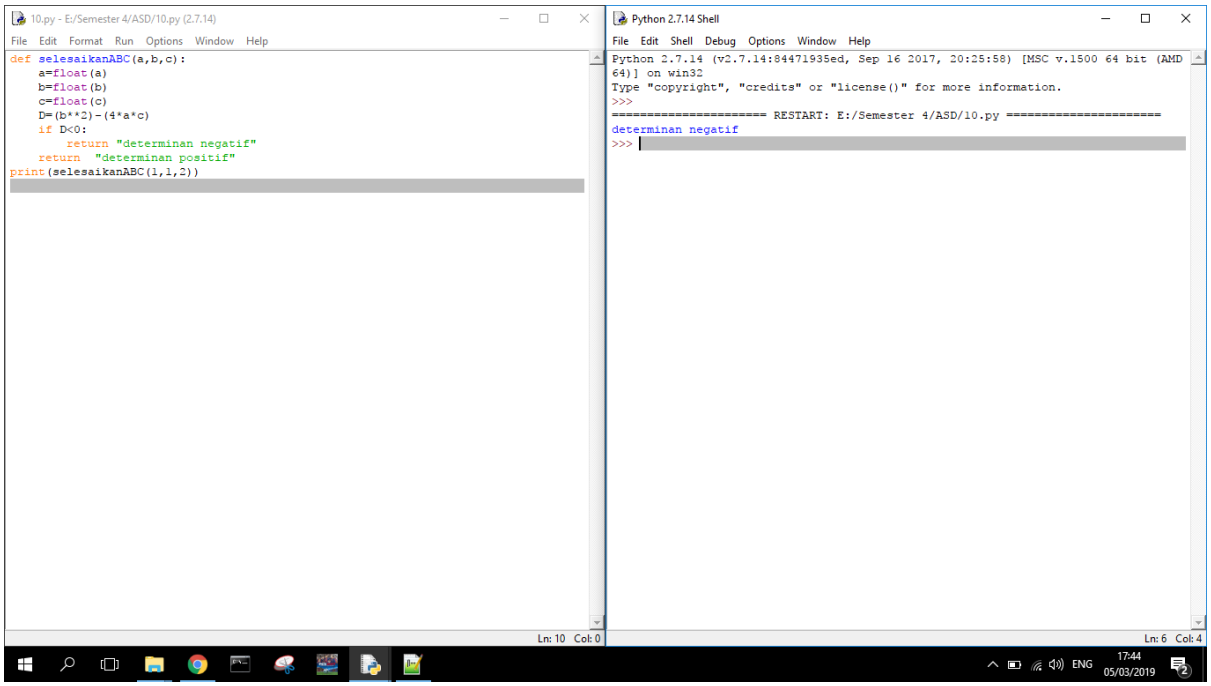
8.


8.py - E:/Semester 4/ASD/8.py (2.7.14)
File Edit Format Run Options Window Help
def apakahTerkandiung(a,b):
return a in b
print(apakahTerkandiung("db","abcdcdsqwedb"))
print(apakahTerkandiung("abd","abc"))
Ln: 5 Col: 0
Python 2.7.14 Shell
File Edit Shell Debug Options Window Help
Python 2.7.14 (v2.7.14:84471935ed, Sep 16 2017, 20:25:58) [MSC v.1500 64 bit (AMD 64)] on win32
Type "copyright", "credits" or "license()" for more information.
>>>
========== RESTART: E:/Semester 4/ASD/8.py ==========
True
False
>>>
Ln: 7 Col: 4
ENG
17:43
05/03/2019

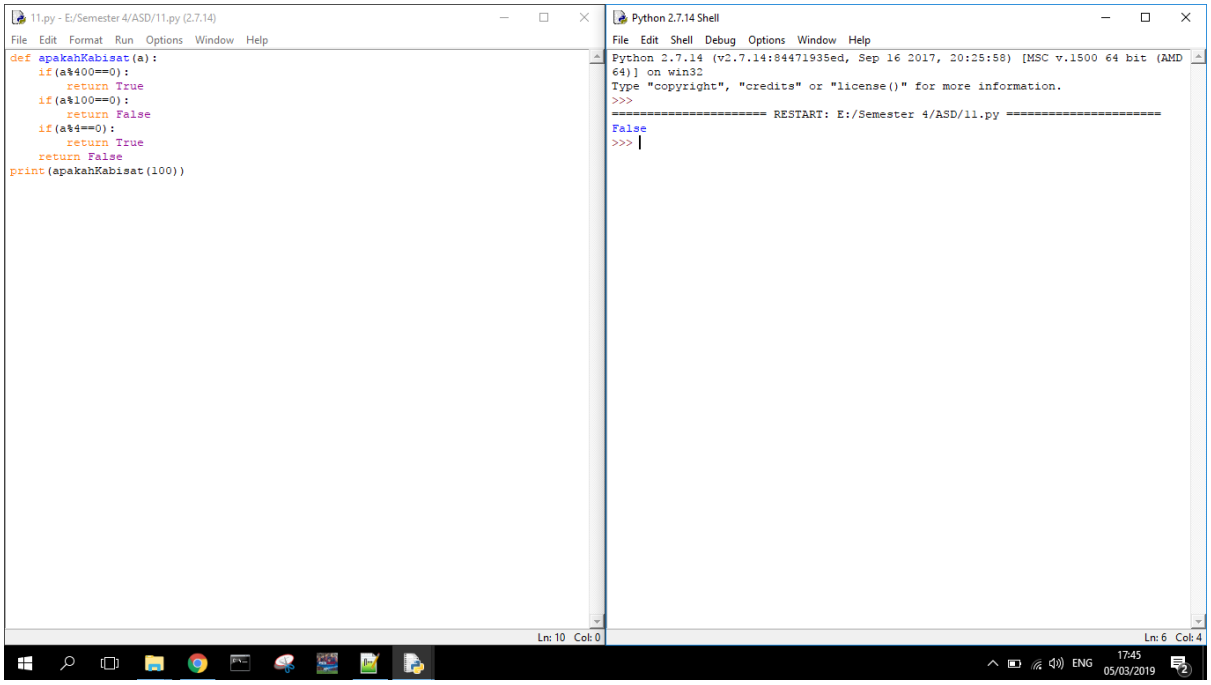
9.


9.py - E:/Semester 4/ASD/9.py (2.7.14)
File Edit Format Run Options Window Help
def iterasi():
for i in range(1,100):
if (i%3)!=0 and (i%5)!=0:
print(i)
else:
if (i%15)==0:
print("pyton UMS")
elif (i%3)==0:
print("python")
elif (i%5)==0:
print("UMS")
iterasi()
Ln: 13 Col: 0
Python 2.7.14 Shell
File Edit Shell Debug Options Window Help
pyton UMS
61
62
python
64
UMS
python
67
68
python
UMS
71
python
73
74
pyton UMS
76
77
python
79
UMS
python
82
83
python
UMS
86
python
88
89
pyton UMS
91
92
python
94
UMS
python
97
98
python
>>>
Ln: 104 Col: 4
ENG
17:43
05/03/2019

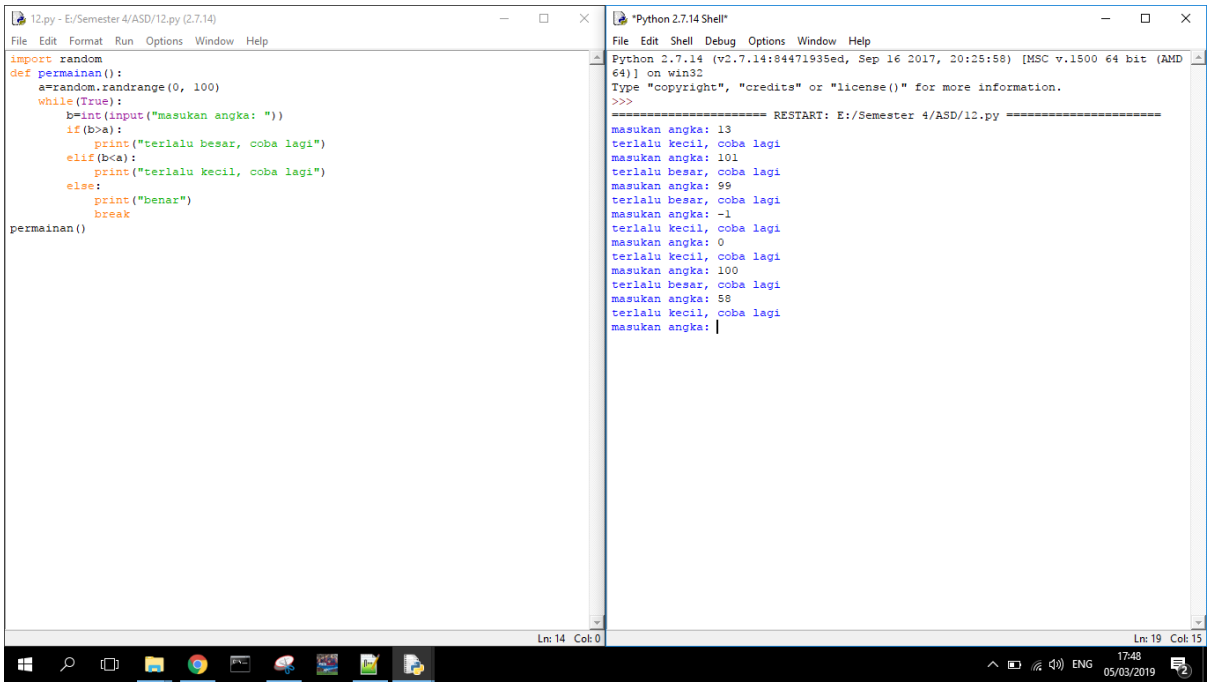
10.


10.py - E:/Semester 4/ASD/10.py (2.7.14)
File Edit Format Run Options Window Help
def selesaikanABC(a,b,c):
a=float(a)
b=float(b)
c=float(c)
D=(b**2)-(4*a*c)
if D<0:
return "determinan negatif"
return "determinan positif"
print(selesaikanABC(1,1,2))
Ln: 10 Col: 0
Python 2.7.14 Shell
File Edit Shell Debug Options Window Help
Python 2.7.14 (v2.7.14:84471935ed, Sep 16 2017, 20:25:58) [MSC v.1500 64 bit (AMD 64)] on win32
Type "copyright", "credits" or "license()" for more information.
>>>
========== RESTART: E:/Semester 4/ASD/10.py ==========
determinan negatif
>>>
Ln: 6 Col: 4
ENG
17:44
05/03/2019

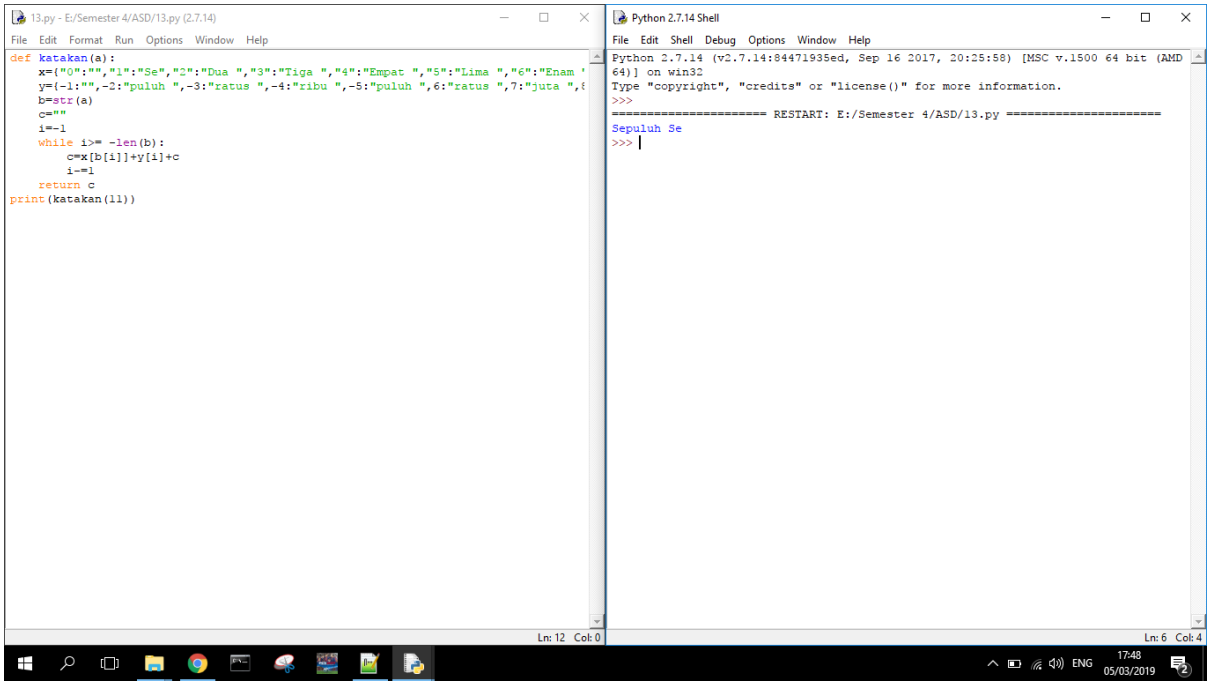
11.


11.py - E:/Semester 4/ASD/11.py (2.7.14)
File Edit Format Run Options Window Help
def apakahKabisat(a):
if(a%400==0):
return True
if(a%100==0):
return False
if(a%4==0):
return True
return False
print(apakahKabisat(100))
Ln: 10 Col: 0
Python 2.7.14 Shell
File Edit Shell Debug Options Window Help
Python 2.7.14 (v2.7.14:84471935ed, Sep 16 2017, 20:25:58) [MSC v.1500 64 bit (AMD 64)] on win32
Type "copyright", "credits" or "license()" for more information.
>>>
========== RESTART: E:/Semester 4/ASD/11.py ==========
False
>>>
Ln: 6 Col: 4
ENG
17:45
05/03/2019

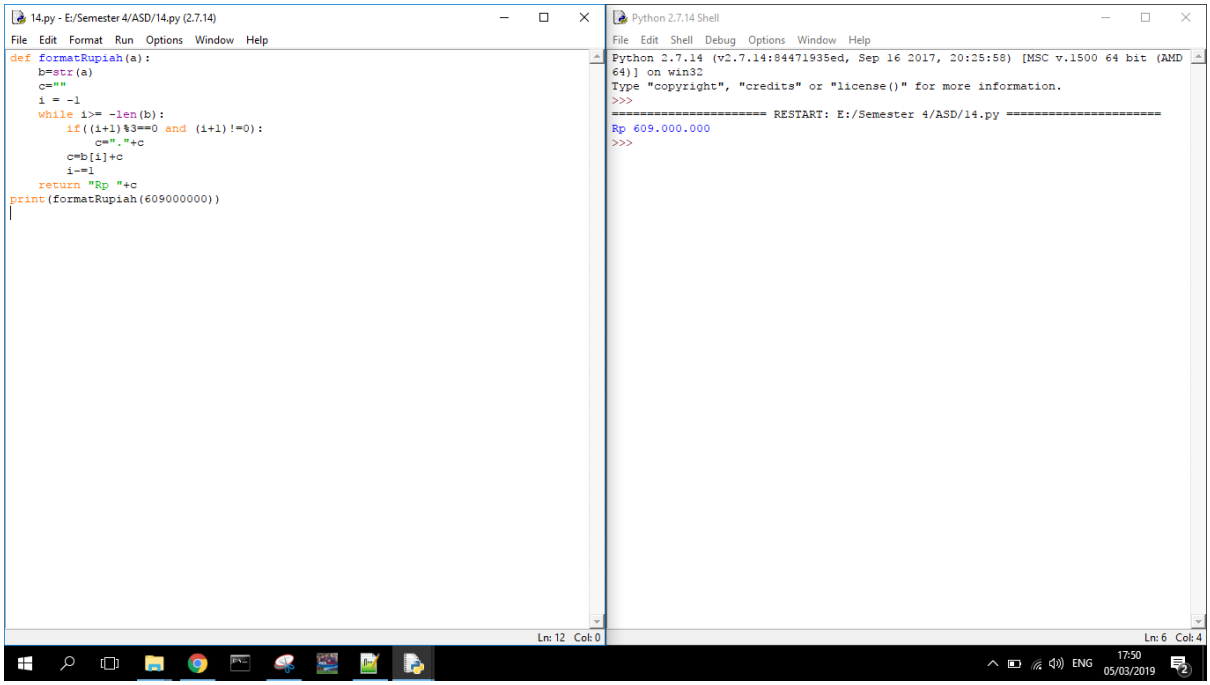
12.


12.py - E:/Semester 4/ASD/12.py (2.7.14)
File Edit Format Run Options Window Help
import random
def permainan():
a=random.randrange(0, 100)
while(True):
b=int(input("masukan angka: "))
if(b>a):
print("terlalu besar, coba lagi")
elif(b<a):
print("terlalu kecil, coba lagi")
else:
print("benar")
break
permainan()
Ln: 14 Col: 0
Python 2.7.14 Shell
File Edit Shell Debug Options Window Help
Python 2.7.14 (v2.7.14:84471935ed, Sep 16 2017, 20:25:58) [MSC v.1500 64 bit (AMD 64)] on win32
Type "copyright", "credits" or "license()" for more information.
>>>
========== RESTART: E:/Semester 4/ASD/12.py ==========
masukan angka: 13
terlalu kecil, coba lagi
masukan angka: 101
terlalu besar, coba lagi
masukan angka: 99
terlalu besar, coba lagi
masukan angka: -1
terlalu kecil, coba lagi
masukan angka: 0
terlalu kecil, coba lagi
masukan angka: 100
terlalu besar, coba lagi
masukan angka: 58
terlalu kecil, coba lagi
masukan angka:
Ln: 19 Col: 15
ENG
17:48
05/03/2019

13.


13.py - E:/Semester 4/ASD/13.py (2.7.14)
File Edit Format Run Options Window Help
def katakan(a):
x={"0":"","1":"Se","2":"Dua ","3":"Tiga ","4":"Empat ","5":"Lima ","6":"Enam
y={-1:"",-2:"puluh ",-3:"ratus ",-4:"ribu ",-5:"puluh ",6:"ratus ",7:"juta ",
b=str(a)
c=""
i=-1
while i>= -len(b):
c=x[b[i]]+y[i]+c
i-=1
return c
print(katakan(11))
Ln: 12 Col: 0
Python 2.7.14 Shell
File Edit Shell Debug Options Window Help
Python 2.7.14 (v2.7.14:84471935ed, Sep 16 2017, 20:25:58) [MSC v.1500 64 bit (AMD 64)] on win32
Type "copyright", "credits" or "license()" for more information.
>>>
========== RESTART: E:/Semester 4/ASD/13.py ==========
Sepuluh Se
>>>
Ln: 6 Col: 4
ENG
17:48
05/03/2019

14.


14.py - E:/Semester 4/ASD/14.py (2.7.14)
File Edit Format Run Options Window Help
def formatRupiah(a):
b=str(a)
c=""
i = -1
while i>= -len(b):
if((i+1)%3==0 and (i+1)!=0):
c="."+c
c=b[i]+c
i-=1
return "Rp "+c
print(formatRupiah(609000000))
Ln: 12 Col: 0
Python 2.7.14 Shell
File Edit Shell Debug Options Window Help
Python 2.7.14 (v2.7.14:84471935ed, Sep 16 2017, 20:25:58) [MSC v.1500 64 bit (AMD 64)] on win32
Type "copyright", "credits" or "license()" for more information.
>>>
========== RESTART: E:/Semester 4/ASD/14.py ==========
Rp 609.000.000
>>>
Ln: 6 Col: 4
ENG
17:50
05/03/2019