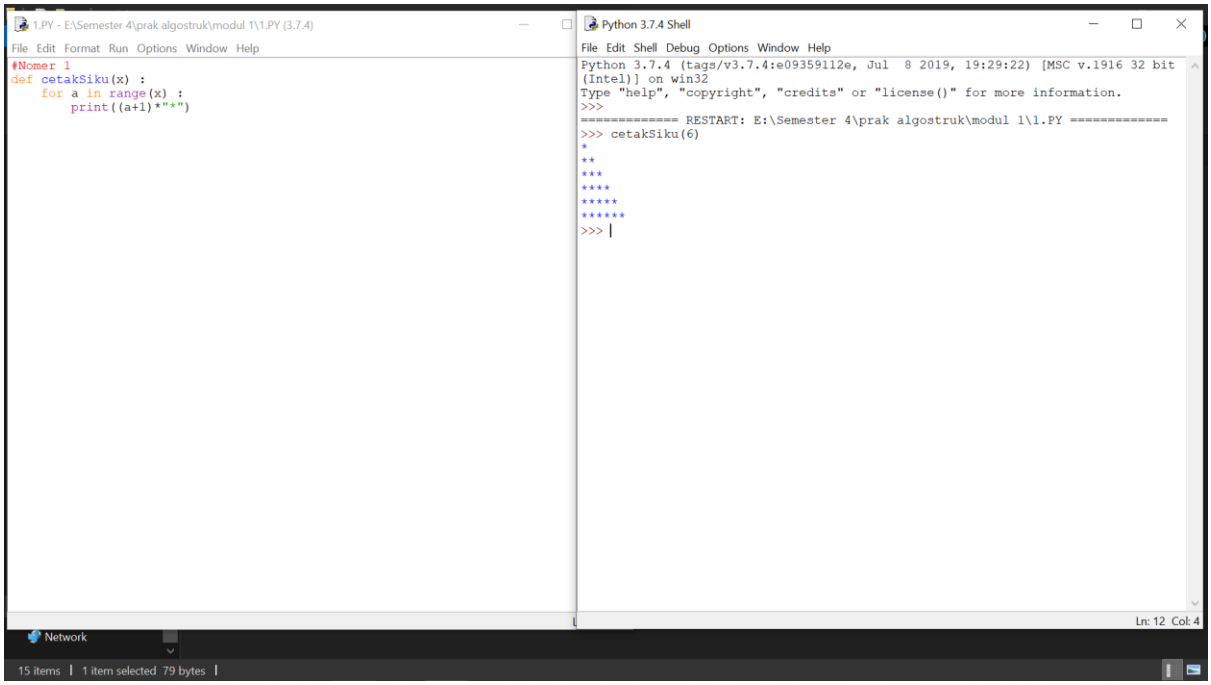
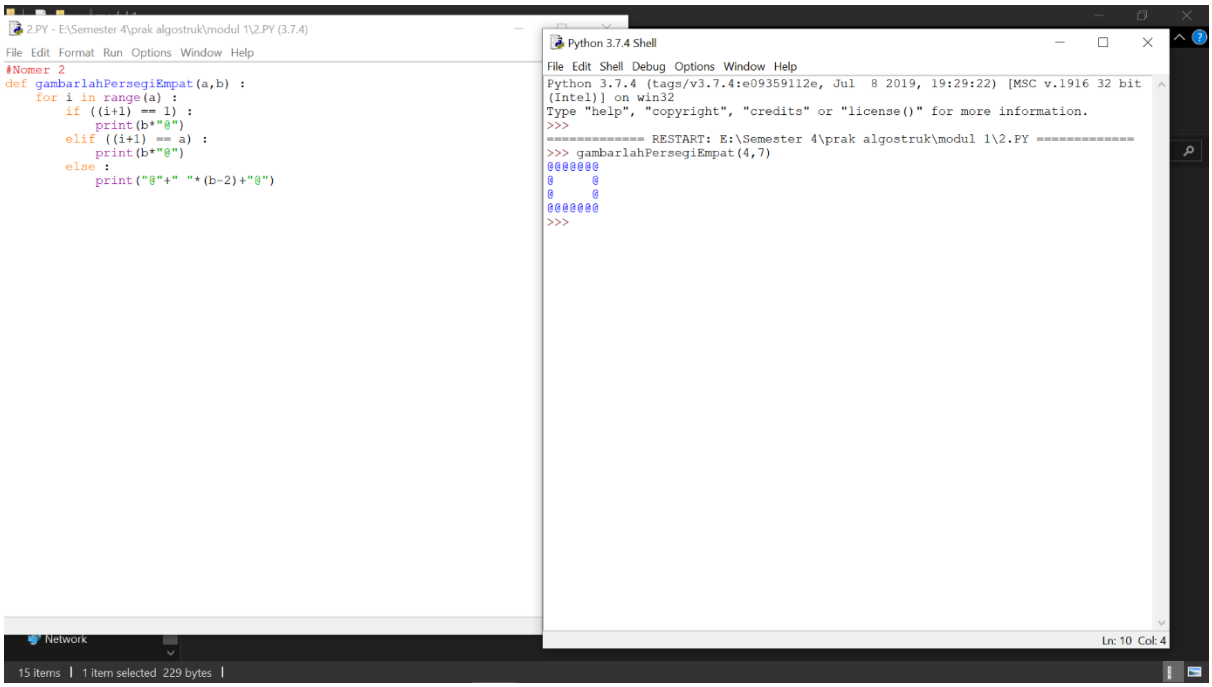
Nama : Rahmat Beny Susanto

NIM : L200180079

1.



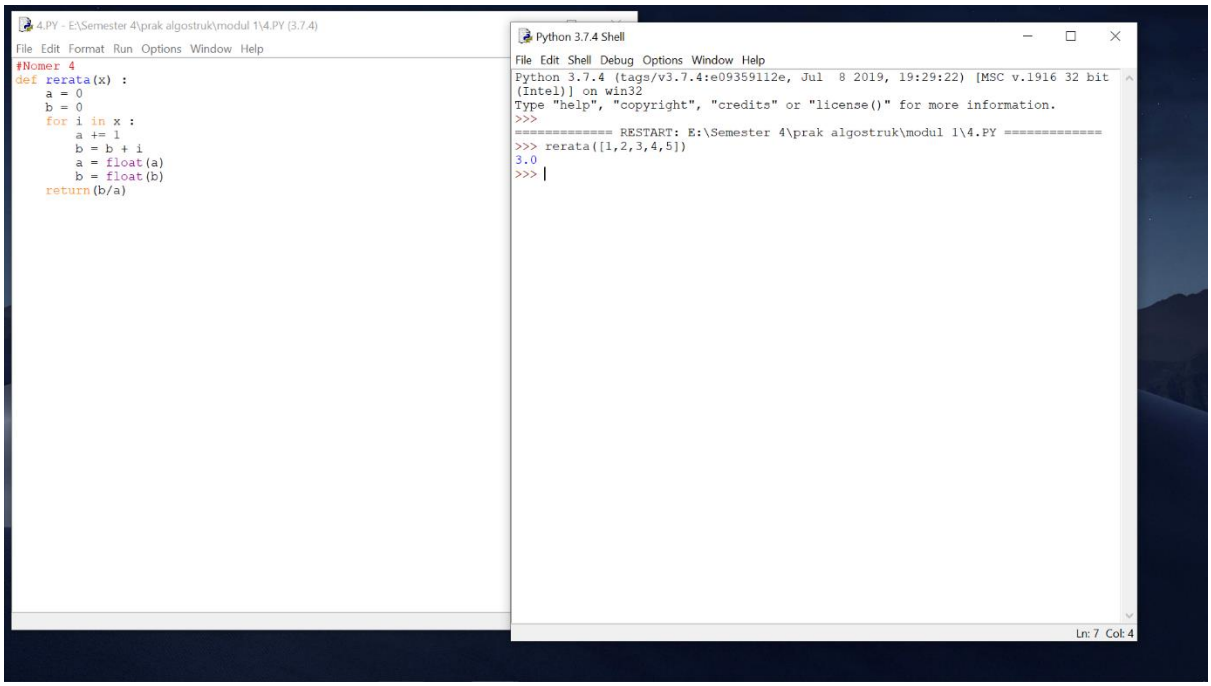
2.



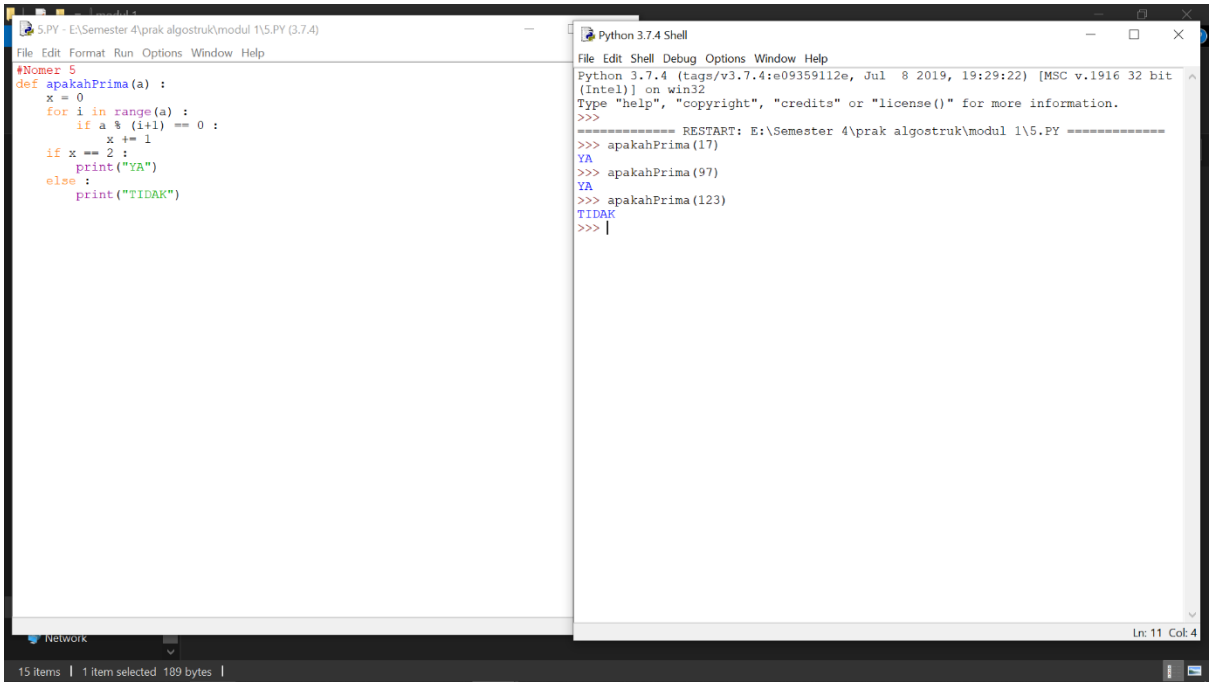
3.


3.PY - E:\Semester 4\prak algostruk\modul 1\3.PY (3.7.4)
File Edit Format Run Options Window Help
#Nomer 3
def jumlahHurufVokal(ch) :
b = len(ch)
a = 0
for i in ch :
if (i=='A' or i=='a' or i=='E' or i =='e' or i=='I' or i=='i' or i=='O'
a += 1
return b,a
def jumlahHurufKonsonan(ch) :
b = len(ch)
a = 0
for i in ch :
if (i=='A' or i=='a' or i=='E' or i =='e' or i=='I' or i=='i' or i=='O'
a += 1
return b,b-a
Ln: 1 Col
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 bi
(Intel)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
========== RESTART: E:\Semester 4\prak algostruk\modul 1\3.PY ==========
>>> jumlahHurufVokal('karanganyar')
(11, 4)
>>> jumlahHurufKonsonan('karanganyar')
(11, 7)
>>>
Ln: 9
Network
15 items | 1 item selected 463 bytes

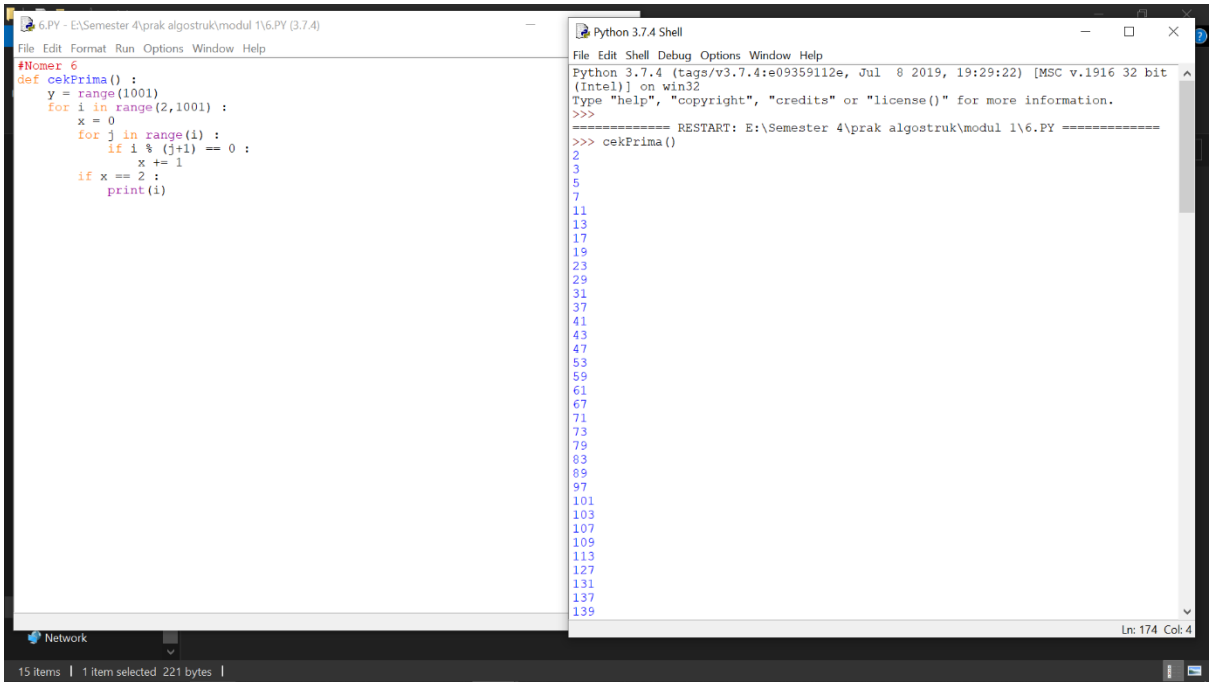
4.


4.PY - E:\Semester 4\prak algostruk\modul 1\4.PY (3.7.4)
File Edit Format Run Options Window Help
#Nomer 4
def rerata(x) :
a = 0
b = 0
for i in x :
a += 1
b = b + i
a = float(a)
b = float(b)
return(b/a)
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.
>>>
========== RESTART: E:\Semester 4\prak algostruk\modul 1\4.PY ==========
>>> rerata([1,2,3,4,5])
3.0
>>>
Ln: 7 Col: 4

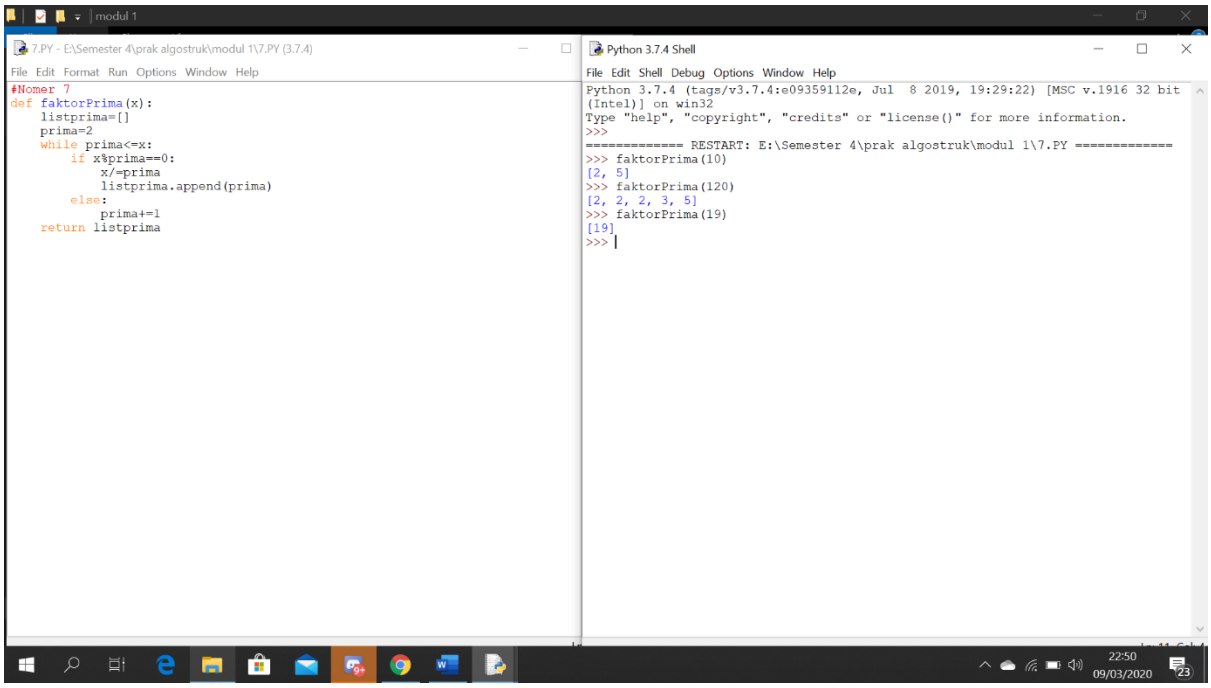
5.


5.PY - E:\Semester 4\prak algostruk\modul 1\5.PY (3.7.4)
File Edit Format Run Options Window Help
#Nomer 5
def apakahPrima(a) :
x = 0
for i in range(a) :
if a % (i+1) == 0 :
x += 1
if x == 2 :
print("YA")
else :
print("TIDAK")
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.
>>>
========== RESTART: E:\Semester 4\prak algostruk\modul 1\5.PY ==========
>>> apakahPrima(17)
YA
>>> apakahPrima(97)
YA
>>> apakahPrima(123)
TIDAK
>>>
Ln: 11 Col: 4
Network
15 items | 1 item selected 189 bytes |

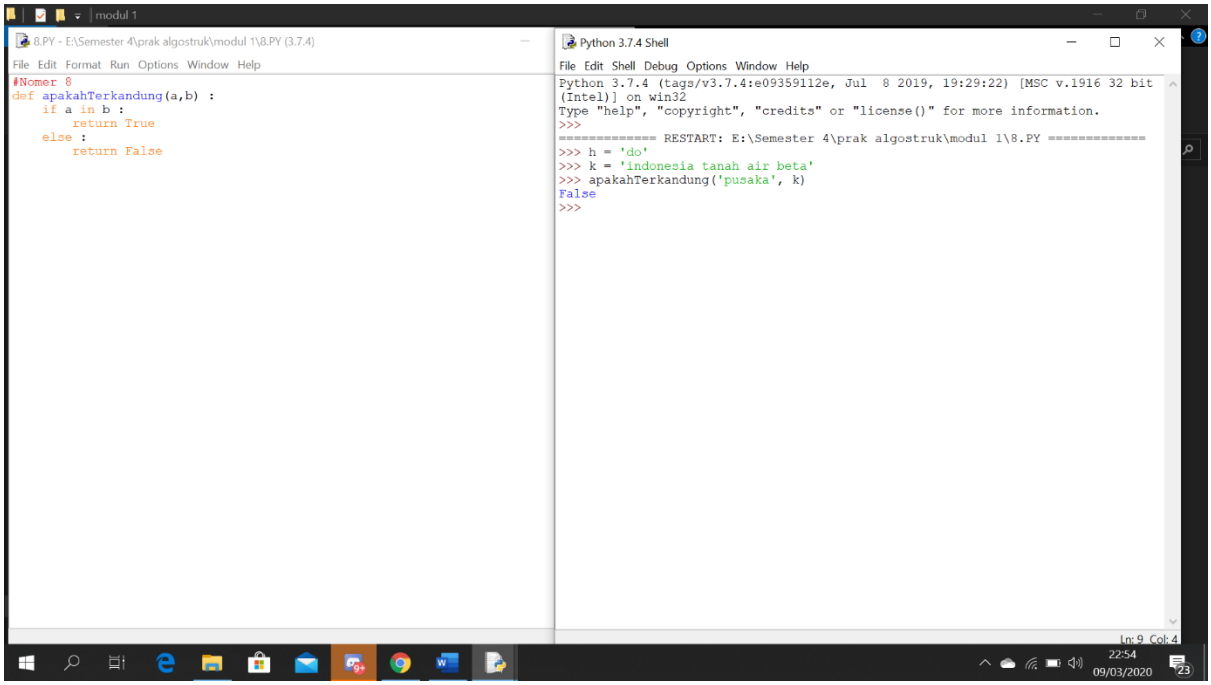
6.


6.PY - E:\Semester 4\prak algostruk\modul 1\6.PY (3.7.4)
File Edit Format Run Options Window Help
#Nomer 6
def cekPrima() :
y = range(1001)
for i in range(2,1001) :
x = 0
for j in range(i) :
if i % (j+1) == 0 :
x += 1
if x == 2 :
print(i)
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.
>>>
========== RESTART: E:\Semester 4\prak algostruk\modul 1\6.PY ==========
>>> cekPrima()
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
101
103
107
109
113
127
131
137
139
Ln: 174 Col: 4
Network
15 items | 1 item selected 221 bytes |

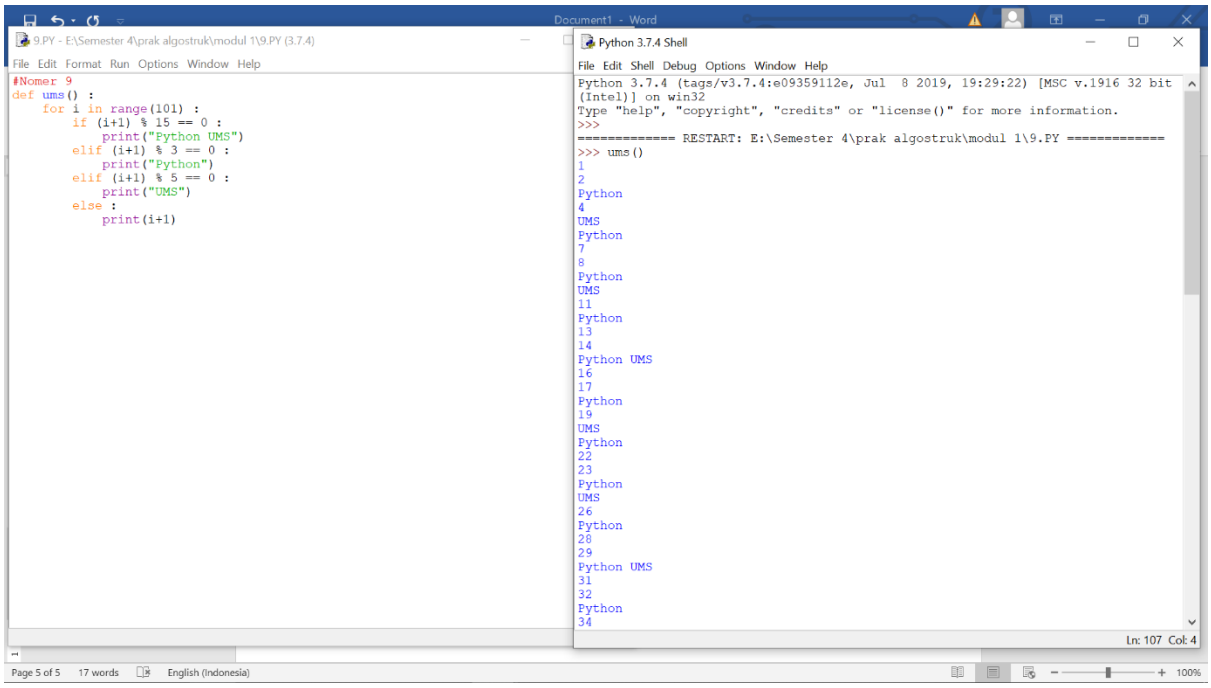
7.


modul 1
7.PY - E:\Semester 4\prak algostruk\modul 1\7.PY (3.7.4)
File Edit Format Run Options Window Help
#Nomer 7
def faktorPrima(x):
listprima=[]
prima=2
while prima<=x:
if x%prima==0:
x/=prima
listprima.append(prima)
else:
prima+=1
return listprima
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.
>>>
========== RESTART: E:\Semester 4\prak algostruk\modul 1\7.PY ==========
>>> faktorPrima(10)
[2, 5]
>>> faktorPrima(120)
[2, 2, 2, 3, 5]
>>> faktorPrima(19)
[19]
>>>
22:50
09/03/2020

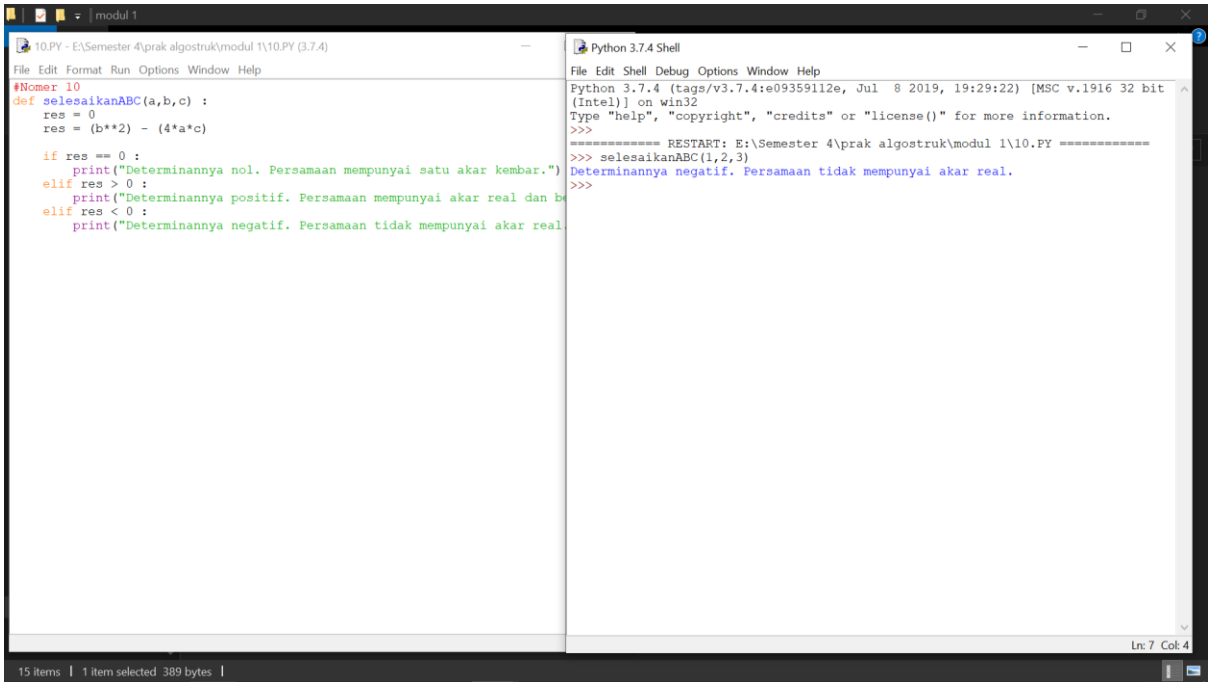
8.


modul 1
8.PY - E:\Semester 4\prak algostruk\modul 1\8.PY (3.7.4)
File Edit Format Run Options Window Help
#Nomer 8
def apakahTerkandung(a,b) :
if a in b :
return True
else :
return False
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.
>>>
========== RESTART: E:\Semester 4\prak algostruk\modul 1\8.PY ==========
>>> h = 'do'
>>> k = 'indonesia tanah air beta'
>>> apakahTerkandung('pusaka', k)
False
>>>
Ln: 9 Col: 4
22:54
09/03/2020

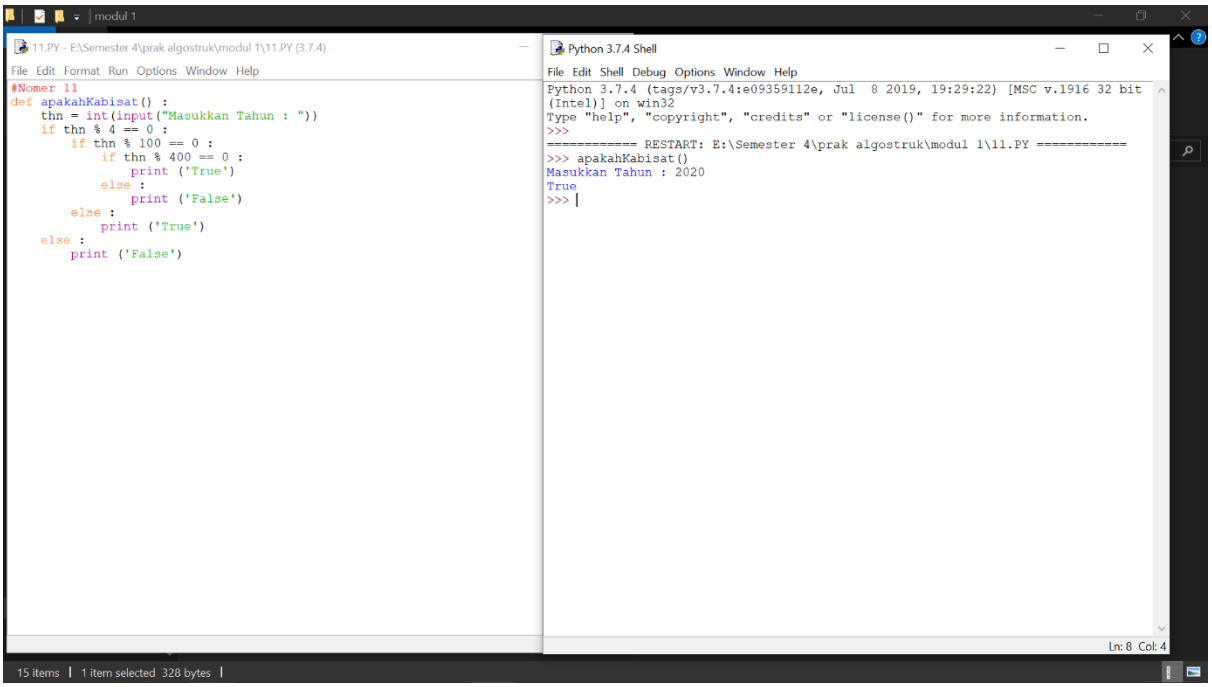
9.


Document1 - Word
9.PY - E:\Semester 4\prak algostruk\modul 1\9.PY (3.7.4)
File Edit Format Run Options Window Help
#Nomer 9
def ums() :
for i in range(101) :
if (i+1) % 15 == 0 :
print("Python UMS")
elif (i+1) % 3 == 0 :
print("Python")
elif (i+1) % 5 == 0 :
print("UMS")
else :
print(i+1)
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.
>>>
========== RESTART: E:\Semester 4\prak algostruk\modul 1\9.PY ==========
>>> ums()
1
2
Python
4
UMS
Python
7
8
Python
UMS
11
Python
13
14
Python UMS
16
17
Python
19
UMS
Python
22
23
Python
UMS
26
Python
28
29
Python UMS
31
32
Python
34
Ln: 107 Col: 4
Page 5 of 5 17 words English (Indonesia) 100%

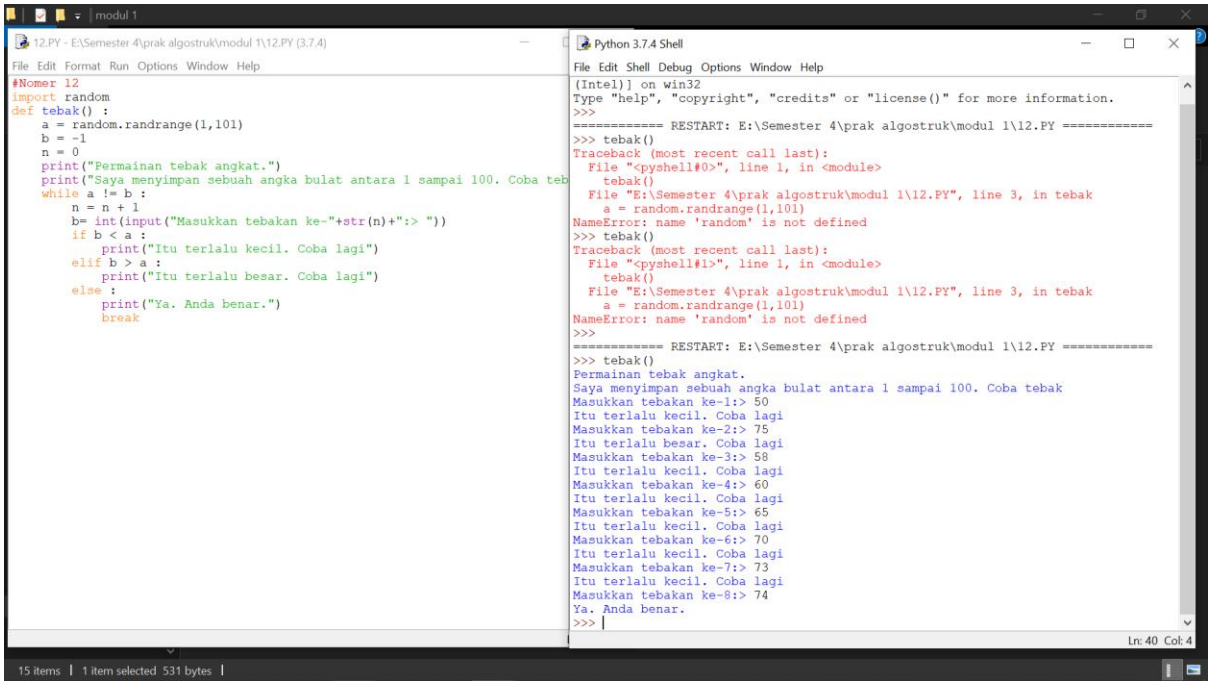
10.


modul 1
10.PY - E:\Semester 4\prak algostruk\modul 1\10.PY (3.7.4)
File Edit Format Run Options Window Help
#Nomer 10
def selesaikanABC(a,b,c) :
res = 0
res = (b**2) - (4*a*c)
if res == 0 :
print("Determinannya nol. Persamaan mempunyai satu akar kembar.")
elif res > 0 :
print("Determinannya positif. Persamaan mempunyai akar real dan b
elif res < 0 :
print("Determinannya negatif. Persamaan tidak mempunyai akar real
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.
>>>
========== RESTART: E:\Semester 4\prak algostruk\modul 1\10.PY ==========
>>> selesaikanABC(1,2,3)
Determinannya negatif. Persamaan tidak mempunyai akar real.
>>>
Ln: 7 Col: 4
15 items 1 item selected 389 bytes

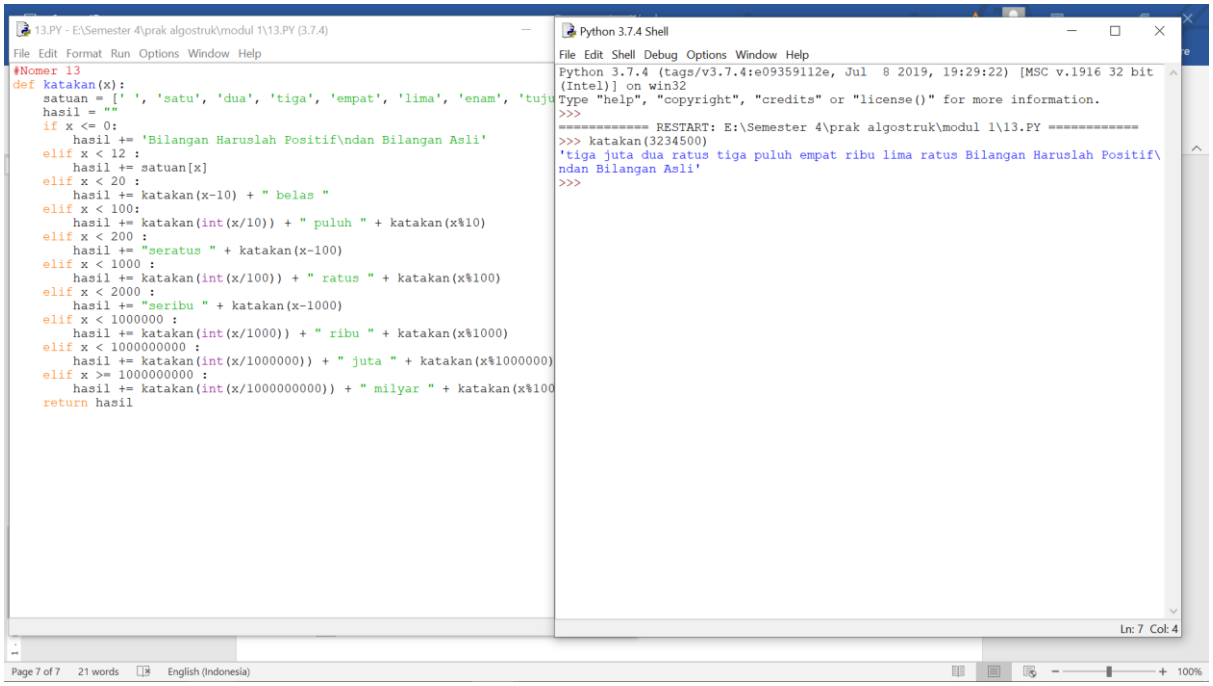
11.


modul 1
11.PY - E:\Semester 4\prak algostruk\modul 1\11.PY (3.7.4)
File Edit Format Run Options Window Help
#Nomer 11
def apakahKabisat() :
thn = int(input("Masukkan Tahun : "))
if thn % 4 == 0 :
if thn % 100 == 0 :
if thn % 400 == 0 :
print ('True')
else :
print ('False')
else :
print ('True')
else :
print ('False')
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.
>>>
========== RESTART: E:\Semester 4\prak algostruk\modul 1\11.PY ==========
>>> apakahKabisat()
Masukkan Tahun : 2020
True
>>>
Ln: 8 Col: 4
15 items | 1 item selected 328 bytes

12.


modul 1
12.PY - E:\Semester 4\prak algostruk\modul 1\12.PY (3.7.4)
File Edit Format Run Options Window Help
#Nomer 12
import random
def tebak() :
a = random.randrange(1,101)
b = -1
n = 0
print("Permainan tebak angkat.")
print("Saya menyimpan sebuah angka bulat antara 1 sampai 100. Coba teb
while a != b :
n = n + 1
b= int(input("Masukkan tebakan ke-"+str(n)+":> "))
if b < a :
print("Itu terlalu kecil. Coba lagi")
elif b > a :
print("Itu terlalu besar. Coba lagi")
else :
print("Ya. Anda benar.")
break
Python 3.7.4 Shell
File Edit Shell Debug Options Window Help
(Intel)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
========== RESTART: E:\Semester 4\prak algostruk\modul 1\12.PY ==========
>>> tebak()
Traceback (most recent call last):
File "<pyshell#0>", line 1, in <module>
tebak()
File "E:\Semester 4\prak algostruk\modul 1\12.PY", line 3, in tebak
a = random.randrange(1,101)
NameError: name 'random' is not defined
>>> tebak()
Traceback (most recent call last):
File "<pyshell#1>", line 1, in <module>
tebak()
File "E:\Semester 4\prak algostruk\modul 1\12.PY", line 3, in tebak
a = random.randrange(1,101)
NameError: name 'random' is not defined
>>>
========== RESTART: E:\Semester 4\prak algostruk\modul 1\12.PY ==========
>>> tebak()
Permainan tebak angkat.
Saya menyimpan sebuah angka bulat antara 1 sampai 100. Coba tebak
Masukkan tebakan ke-1:> 50
Itu terlalu kecil. Coba lagi
Masukkan tebakan ke-2:> 75
Itu terlalu besar. Coba lagi
Masukkan tebakan ke-3:> 58
Itu terlalu kecil. Coba lagi
Masukkan tebakan ke-4:> 60
Itu terlalu kecil. Coba lagi
Masukkan tebakan ke-5:> 65
Itu terlalu kecil. Coba lagi
Masukkan tebakan ke-6:> 70
Itu terlalu kecil. Coba lagi
Masukkan tebakan ke-7:> 73
Itu terlalu kecil. Coba lagi
Masukkan tebakan ke-8:> 74
Ya. Anda benar.
>>>
Ln: 40 Col: 4
15 items | 1 item selected 531 bytes

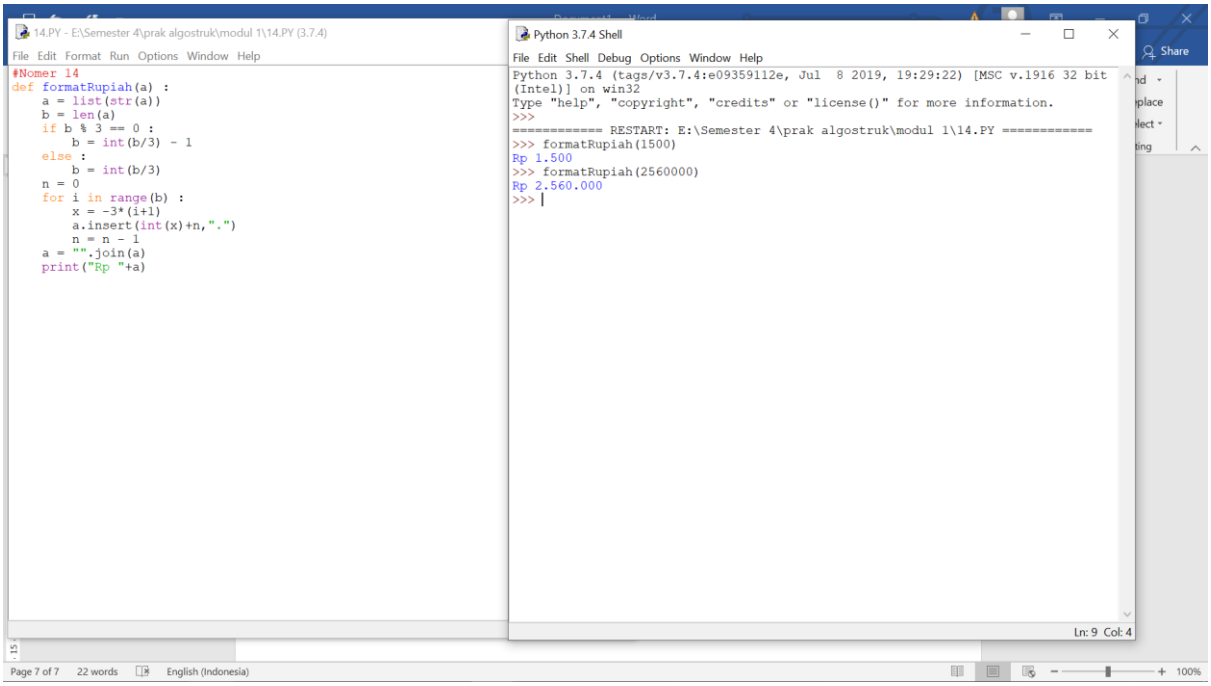
13.



```
#Nomer 13
def katakan(x):
    satuan = [' ', 'satu', 'dua', 'tiga', 'empat', 'lima', 'enam', 'tuju
    hasil = ""
    if x <= 0:
        hasil += 'Bilangan Haruslah Positif\ndan Bilangan Asli'
    elif x < 12 :
        hasil += satuan[x]
    elif x < 20 :
        hasil += katakan(x-10) + " belas "
    elif x < 100:
        hasil += katakan(int(x/10)) + " puluh " + katakan(x%10)
    elif x < 200 :
        hasil += "seratus " + katakan(x-100)
    elif x < 1000 :
        hasil += katakan(int(x/100)) + " ratus " + katakan(x%100)
    elif x < 2000 :
        hasil += "seribu " + katakan(x-1000)
    elif x < 1000000 :
        hasil += katakan(int(x/1000)) + " ribu " + katakan(x%1000)
    elif x < 1000000000 :
        hasil += katakan(int(x/1000000)) + " juta " + katakan(x%1000000)
    elif x >= 1000000000 :
        hasil += katakan(int(x/1000000000)) + " milyar " + katakan(x%100
    return hasil
```

```
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: E:\Semester 4\prak algostruk\modul 1\13.PY ==========
>>> katakan(3234500)
'tiga juta dua ratus tiga puluh empat ribu lima ratus Bilangan Haruslah Positif\
ndan Bilangan Asli'
>>>
```

14.



```
#Nomer 14
def formatRupiah(a) :
    a = list(str(a))
    b = len(a)
    if b % 3 == 0 :
        b = int(b/3) - 1
    else :
        b = int(b/3)
    n = 0
    for i in range(b) :
        x = -3*(i+1)
        a.insert(int(x)+n,".")
        n = n - 1
    a = "".join(a)
    print("Rp "+a)
```

```
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: E:\Semester 4\prak algostruk\modul 1\14.PY ==========
>>> formatRupiah(1500)
Rp 1.500
>>> formatRupiah(2560000)
Rp 2.560.000
>>>
```