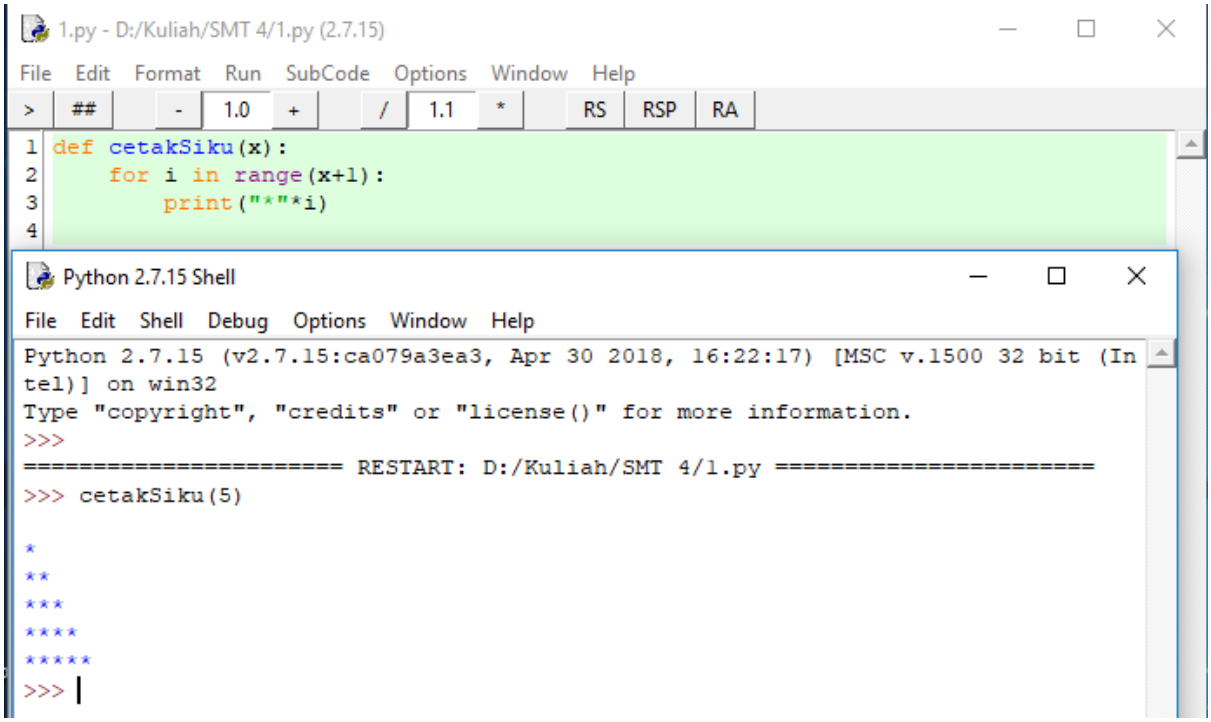
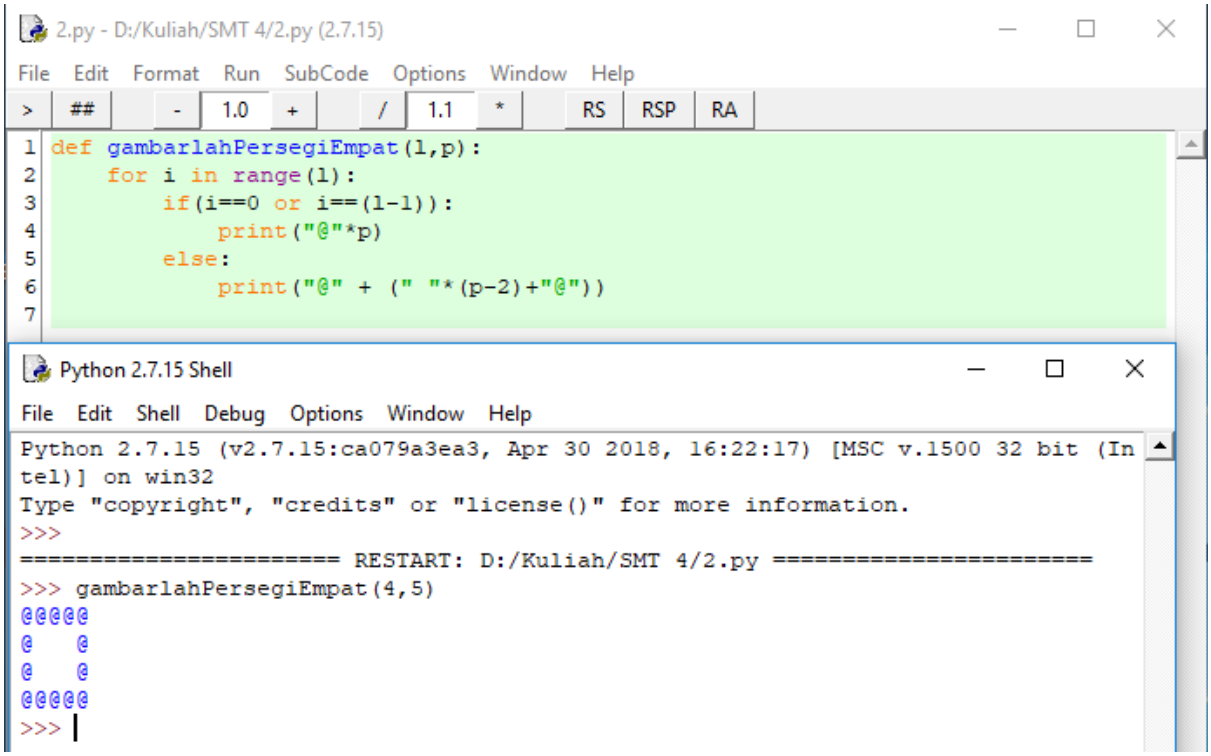
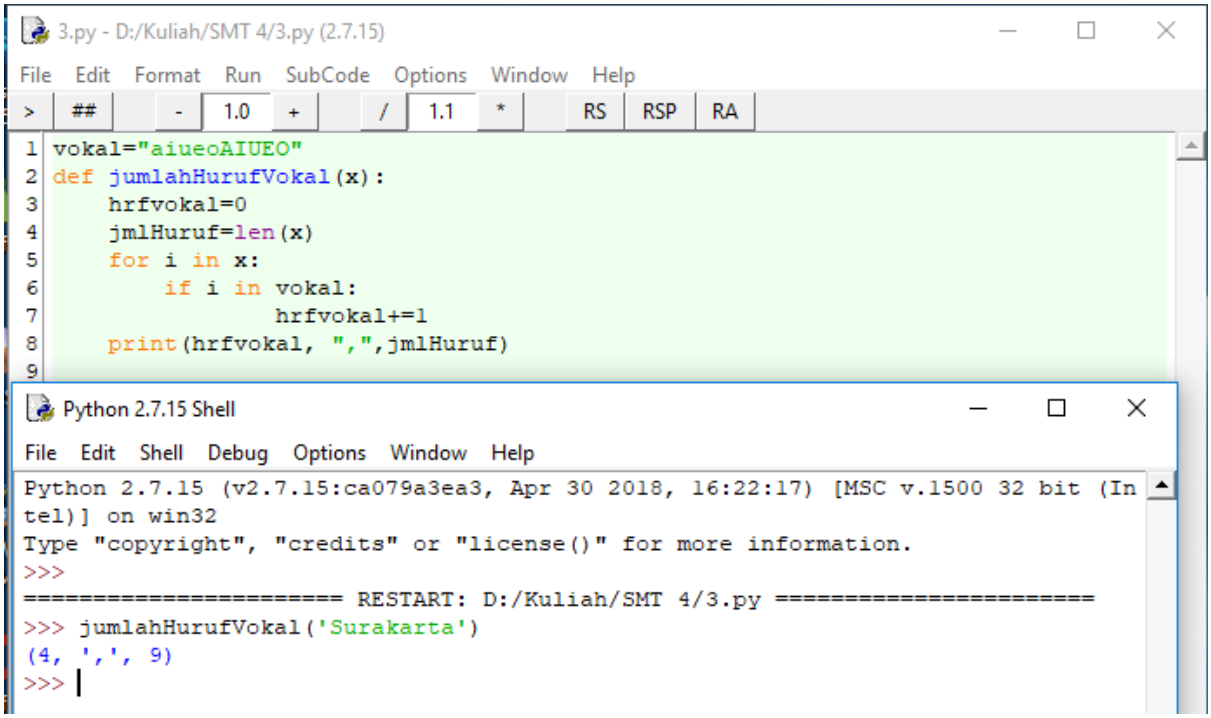
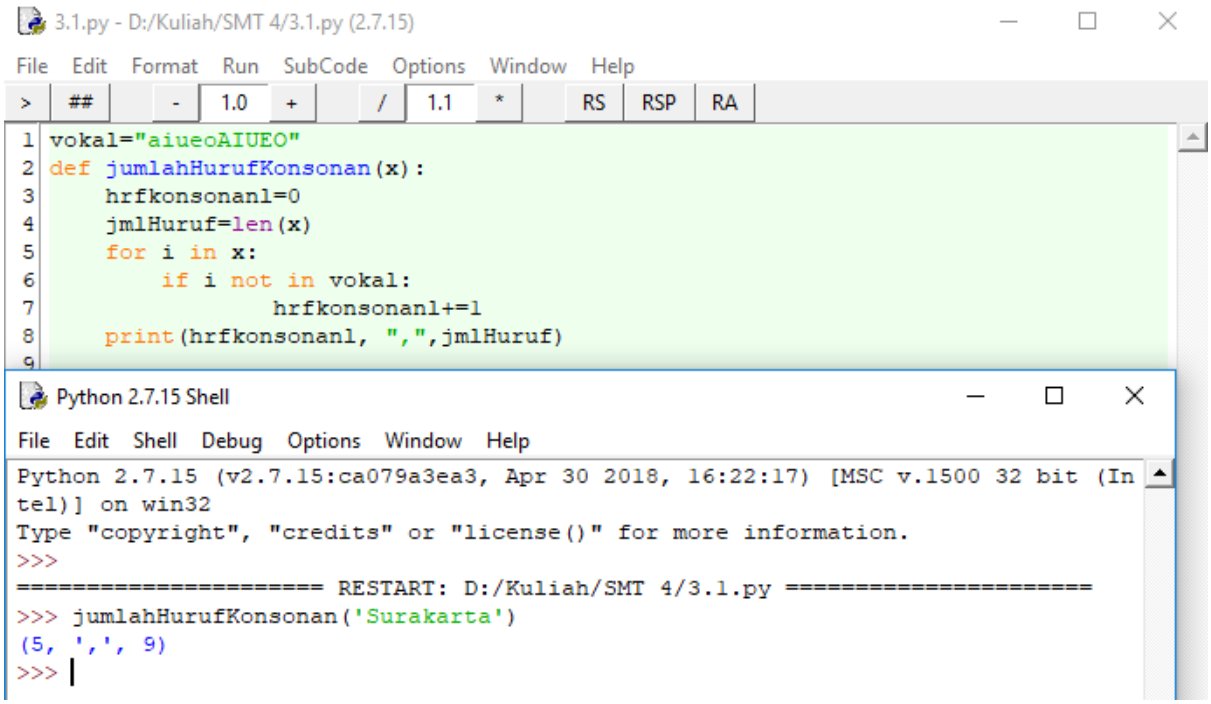
Nama : Sang Aji Indutoro
NIM : L200180003

1. 

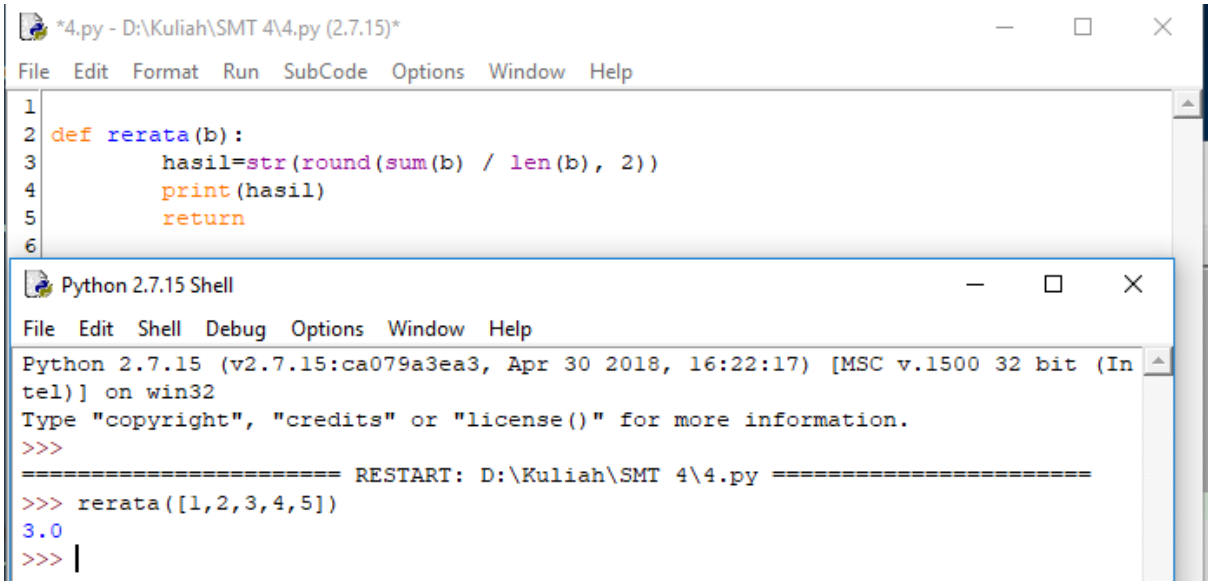
2. 

3.

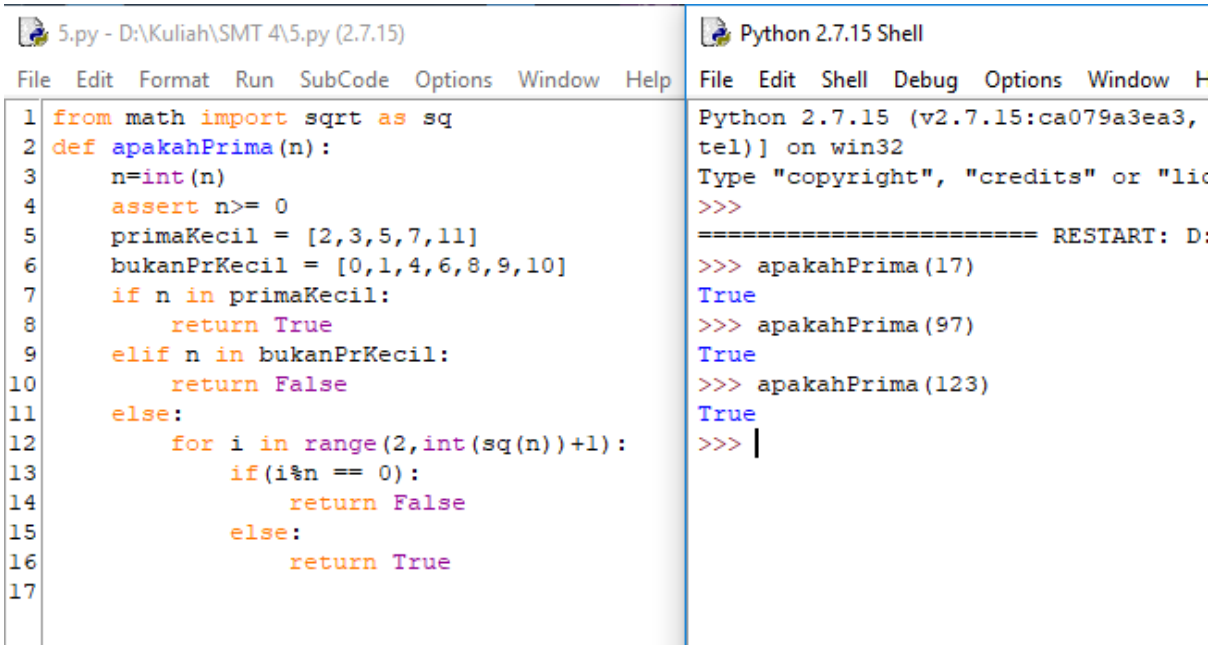

3.py - D:/Kuliah/SMT 4/3.py (2.7.15)
File Edit Format Run SubCode Options Window Help
> ## - 1.0 + / 1.1 * RS RSP RA
1 vokal="aiueoAIUEO"
2 def jumlahHurufVokal(x):
3 hrfvokal=0
4 jmlHuruf=len(x)
5 for i in x:
6 if i in vokal:
7 hrfvokal+=1
8 print(hrfvokal, ",",jmlHuruf)
9
Python 2.7.15 Shell
File Edit Shell Debug Options Window Help
Python 2.7.15 (v2.7.15:ca079a3ea3, Apr 30 2018, 16:22:17) [MSC v.1500 32 bit (Intel)] on win32
Type "copyright", "credits" or "license()" for more information.
>>>
========== RESTART: D:/Kuliah/SMT 4/3.py ==========
>>> jumlahHurufVokal('Surakarta')
(4, ',', 9)
>>>


3.1.py - D:/Kuliah/SMT 4/3.1.py (2.7.15)
File Edit Format Run SubCode Options Window Help
> ## - 1.0 + / 1.1 * RS RSP RA
1 vokal="aiueoAIUEO"
2 def jumlahHurufKonsonan(x):
3 hrfkonsonanl=0
4 jmlHuruf=len(x)
5 for i in x:
6 if i not in vokal:
7 hrfkonsonanl+=1
8 print(hrfkonsonanl, ",",jmlHuruf)
9
Python 2.7.15 Shell
File Edit Shell Debug Options Window Help
Python 2.7.15 (v2.7.15:ca079a3ea3, Apr 30 2018, 16:22:17) [MSC v.1500 32 bit (Intel)] on win32
Type "copyright", "credits" or "license()" for more information.
>>>
========== RESTART: D:/Kuliah/SMT 4/3.1.py ==========
>>> jumlahHurufKonsonan('Surakarta')
(5, ',', 9)
>>>

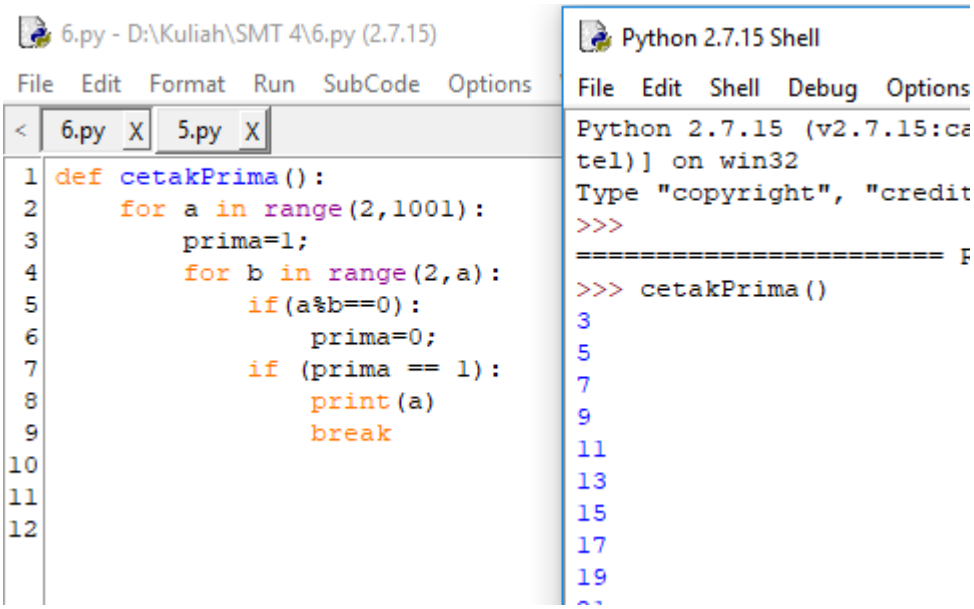
4.


4.py - D:\Kuliah\SMT 4\4.py (2.7.15)
File Edit Format Run SubCode Options Window Help
def rerata(b):
hasil=str(round(sum(b) / len(b), 2))
print(hasil)
return
Python 2.7.15 Shell
File Edit Shell Debug Options Window Help
Python 2.7.15 (v2.7.15:ca079a3ea3, Apr 30 2018, 16:22:17) [MSC v.1500 32 bit (In
tel)] on win32
Type "copyright", "credits" or "license()" for more information.
>>>
========== RESTART: D:\Kuliah\SMT 4\4.py ==========
>>> rerata([1,2,3,4,5])
3.0
>>>

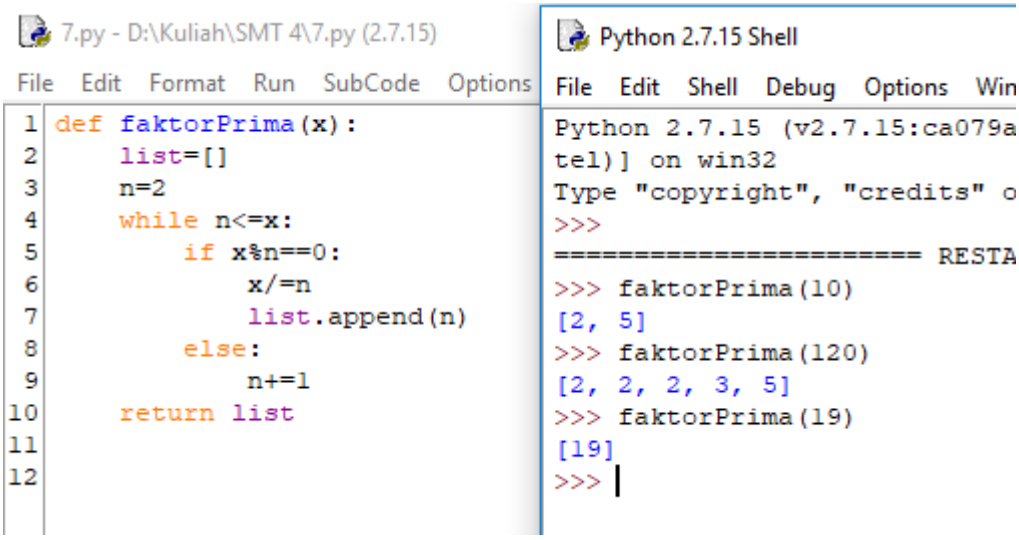
5.


5.py - D:\Kuliah\SMT 4\5.py (2.7.15)
File Edit Format Run SubCode Options Window Help
from math import sqrt as sq
def apakahPrima(n):
n=int(n)
assert n>= 0
primaKecil = [2,3,5,7,11]
bukanPrKecil = [0,1,4,6,8,9,10]
if n in primaKecil:
return True
elif n in bukanPrKecil:
return False
else:
for i in range(2,int(sq(n))+1):
if(i%n == 0):
return False
else:
return True
Python 2.7.15 Shell
File Edit Shell Debug Options Window
Python 2.7.15 (v2.7.15:ca079a3ea3,
tel)] on win32
Type "copyright", "credits" or "lic
>>>
========== RESTART: D:
>>> apakahPrima(17)
True
>>> apakahPrima(97)
True
>>> apakahPrima(123)
True
>>>

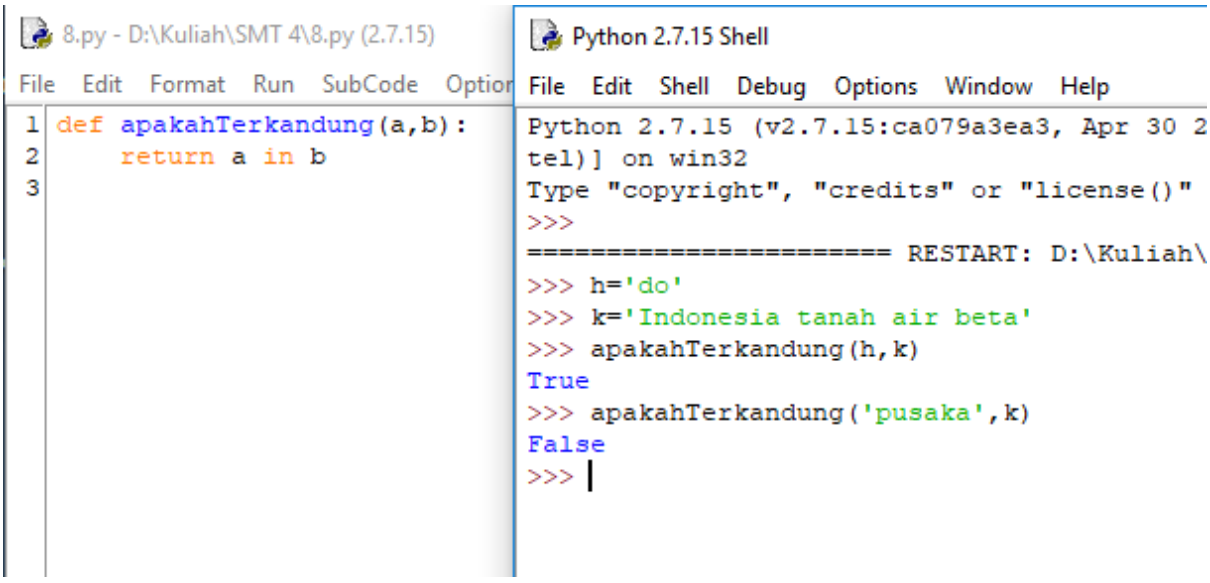
6.


6.py - D:\Kuliah\SMT 4\6.py (2.7.15)
File Edit Format Run SubCode Options
6.py
5.py
def cetakPrima():
for a in range(2,1001):
prima=1;
for b in range(2,a):
if(a%b==0):
prima=0;
if (prima == 1):
print(a)
break
Python 2.7.15 Shell
File Edit Shell Debug Options
Python 2.7.15 (v2.7.15:ca
tel)] on win32
Type "copyright", "credit
>>>
>>> cetakPrima()
3
5
7
9
11
13
15
17
19

7.


7.py - D:\Kuliah\SMT 4\7.py (2.7.15)
File Edit Format Run SubCode Options
def faktorPrima(x):
list=[]
n=2
while n<=x:
if x%n==0:
x/=n
list.append(n)
else:
n+=1
return list
Python 2.7.15 Shell
File Edit Shell Debug Options Win
Python 2.7.15 (v2.7.15:ca079a
tel)] on win32
Type "copyright", "credits" o
>>>
>>> faktorPrima(10)
[2, 5]
>>> faktorPrima(120)
[2, 2, 2, 3, 5]
>>> faktorPrima(19)
[19]
>>>

8.


8.py - D:\Kuliah\SMT 4\8.py (2.7.15)
File Edit Format Run SubCode Optior
def apakahTerkandung(a,b):
return a in b
Python 2.7.15 Shell
File Edit Shell Debug Options Window Help
Python 2.7.15 (v2.7.15:ca079a3ea3, Apr 30 2
tel)] on win32
Type "copyright", "credits" or "license()"
>>>
>>> h='do'
>>> k='Indonesia tanah air beta'
>>> apakahTerkandung(h,k)
True
>>> apakahTerkandung('pusaka',k)
False
>>>

9.

9.py - D:\Kuliah\SMT 4\9.py (2.7.15)

File Edit Format Run SubCode Options Wind

```
def cetak():
    for i in range (1,100):
        if (i%3==0):
            print("Phyton")
        elif(i%5==0):
            print("UMS")
        elif(i%3==0 and i%5==0):
            print("Python UMS")
        else:
            print(i)
```

Python 2.7.15 Shell

File Edit Shell Debug Options Wi

```
Python 2.7.15 (v2.7.15:ca079a
tel)] on win32
Type "copyright", "credits" c
>>>
========== RESTA
>>> cetak()
1
2
Phyton
4
UMS
Phyton
7
8
Phyton
UMS
11
Phyton
13
14
Phyton
16
17
Phyton
```

10.

10.py - D:\Kuliah\SMT 4\10.py (2.7.15)

File Edit Format Run SubCode Options Window Help

```
from math import sqrt as akar
def selesaikanABC(a,b,c):
    a=float(a)
    b=float(b)
    c=float(c)
    D=b**2-4*a*c
    if (D<0):
       print("Determinannya negatif. Persamaan tidak mempunyai akar real.")
    else:
        x1=(-b + akar(D))/(2*a)
        x2=(-b - akar(D))/(2*a)
        hasil=(x1,x2)
        return hasil
```

Python 2.7.15 Shell

File Edit Shell Debug Options Window Help

```
Python 2.7.15 (v2.7.15:ca079a3ea3, Apr 30 2018, 16:22:17) [MSC v.1500 32 bit (In
tel)] on win32
Type "copyright", "credits" or "license()" for more information.
>>>
========== RESTART: D:\Kuliah\SMT 4\10.py ==========
>>> selesaikanABC(1,2,3)
Determinannya negatif. Persamaan tidak mempunyai akar real.
>>>
```

11.

11.py - D:\Kuliah\SMT 4\11.py (2.7.15)

File Edit Format Run SubCode Options

```
1  def apakahKabisat(n):
2      if(n%400==0):
3          return "kabisat"
4      if(n%100==0):
5          return "bukan kabisat"
6      if(n%4==0):
7          return "kabisat"
8      else:
9          return "bukan kabisat"
10
```

Python 2.7.15 Shell

File Edit Shell Debug Options Window

```
Python 2.7.15 (v2.7.15:ca079a3ea3
tel)] on win32
Type "copyright", "credits" or "l
>>>
========== RESTART:
>>> apakahKabisat(1896)
'kabisat'
>>> apakahKabisat(1900)
'bukan kabisat'
>>> apakahKabisat(2004)
'kabisat'
>>> apakahKabisat(2300)
'bukan kabisat'
>>>
```

12.

12.py - D:\Kuliah\SMT 4\12.py (2.7.15)

File Edit Format Run SubCode Options Window Help

```
1  import random
2  def tebak():
3      i=0
4      a=random.randrange(0,100)
5      while(i<=6):
6          b=int(input("Masukkan angka : "))
7          i+=1
8          if(b>a):
9              print("Angka terlalu besar")
10         elif(b<a):
11             print("Angka terlalu kecil")
12         else:
13             print("Tebakan anda benar!")
14     print("\nMaaf batas mencoba hanya 7x")
15     print('Jawabannya adalah',a)
16
```

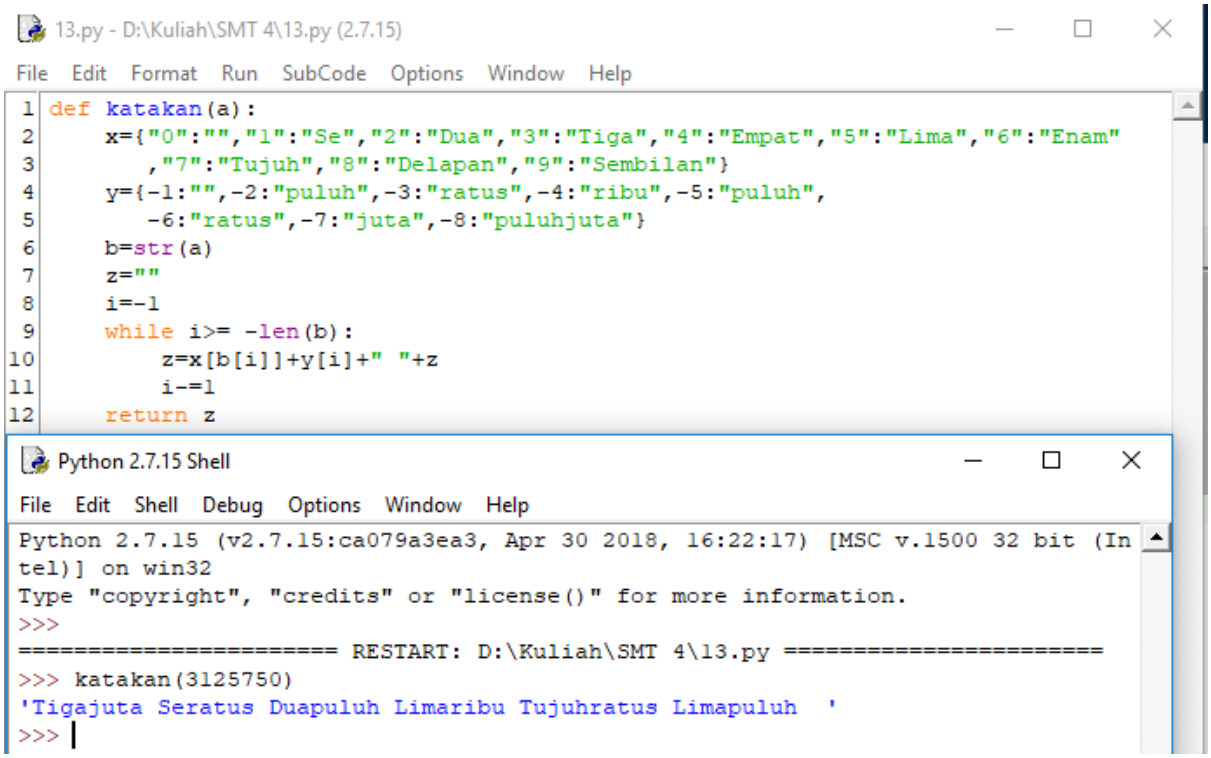
Python 2.7.15 Shell

File Edit Shell Debug Options Window Help

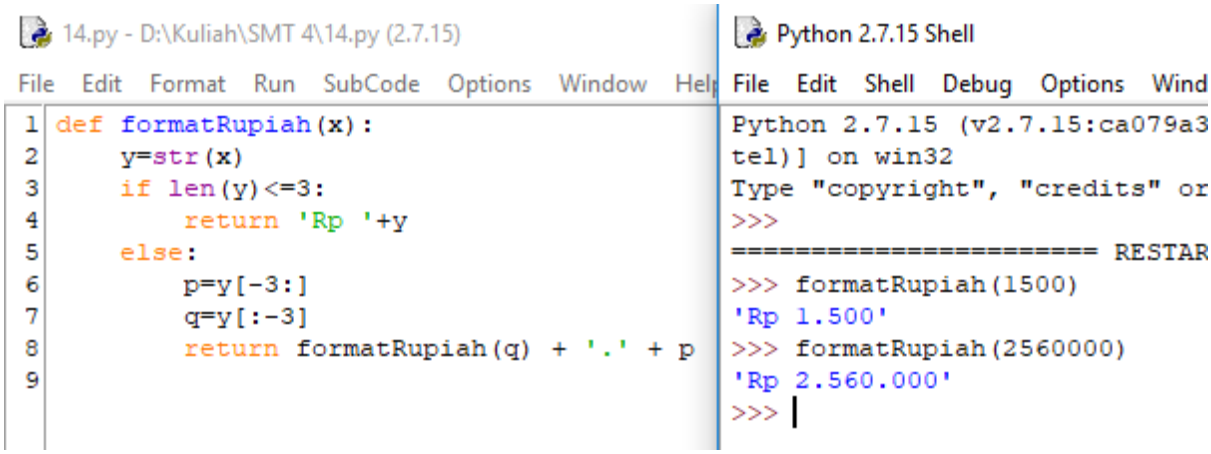
```
Python 2.7.15 (v2.7.15:ca079a3ea3, Apr 3
tel)] on win32
Type "copyright", "credits" or "license(
>>>
========== RESTART: D:\Kuli
>>> tebak()
Masukkan angka : 1
Angka terlalu kecil
Masukkan angka : 2
Angka terlalu kecil
Masukkan angka : 3
Angka terlalu kecil
Masukkan angka : 4
Angka terlalu kecil
Masukkan angka : 5
Angka terlalu kecil
Masukkan angka : 6
Angka terlalu kecil
Masukkan angka : 7
Angka terlalu kecil

Maaf batas mencoba hanya 7x
('Jawabannya adalah', 69)
>>>
```

13.


13.py - D:\Kuliah\SMT 4\13.py (2.7.15)
File Edit Format Run SubCode Options Window Help
def katakan(a):
x={"0":"","1":"Se","2":"Dua","3":"Tiga","4":"Empat","5":"Lima","6":"Enam"
,"7":"Tujuh","8":"Delapan","9":"Sembilan"}
y={-1:"",-2:"puluh",-3:"ratus",-4:"ribu",-5:"puluh",
-6:"ratus",-7:"juta",-8:"puluhjuta"}
b=str(a)
z=""
i=-1
while i>= -len(b):
z=x[b[i]]+y[i]+" "+z
i-=1
return z
Python 2.7.15 Shell
File Edit Shell Debug Options Window Help
Python 2.7.15 (v2.7.15:ca079a3ea3, Apr 30 2018, 16:22:17) [MSC v.1500 32 bit (In
tel)] on win32
Type "copyright", "credits" or "license()" for more information.
>>>
========== RESTART: D:\Kuliah\SMT 4\13.py ==========
>>> katakan(3125750)
'Tigajuta Seratus Duapuluh Limaribu Tujuhratus Limapuluh '
>>>

14.


14.py - D:\Kuliah\SMT 4\14.py (2.7.15)
File Edit Format Run SubCode Options Window Help
def formatRupiah(x):
y=str(x)
if len(y)<=3:
return 'Rp '+y
else:
p=y[-3:]
q=y[:-3]
return formatRupiah(q) + '.' + p
Python 2.7.15 Shell
File Edit Shell Debug Options Wind
Python 2.7.15 (v2.7.15:ca079a3
tel)] on win32
Type "copyright", "credits" or
>>>
========== RESTAR
>>> formatRupiah(1500)
'Rp 1.500'
>>> formatRupiah(2560000)
'Rp 2.560.000'
>>>