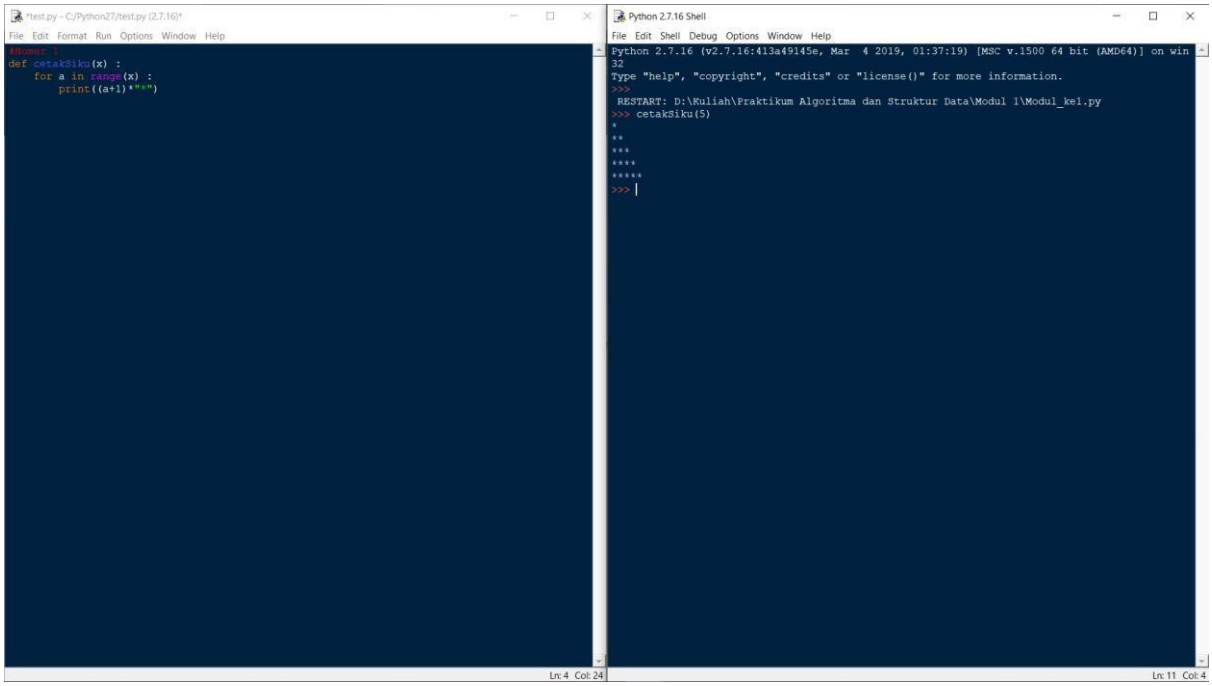
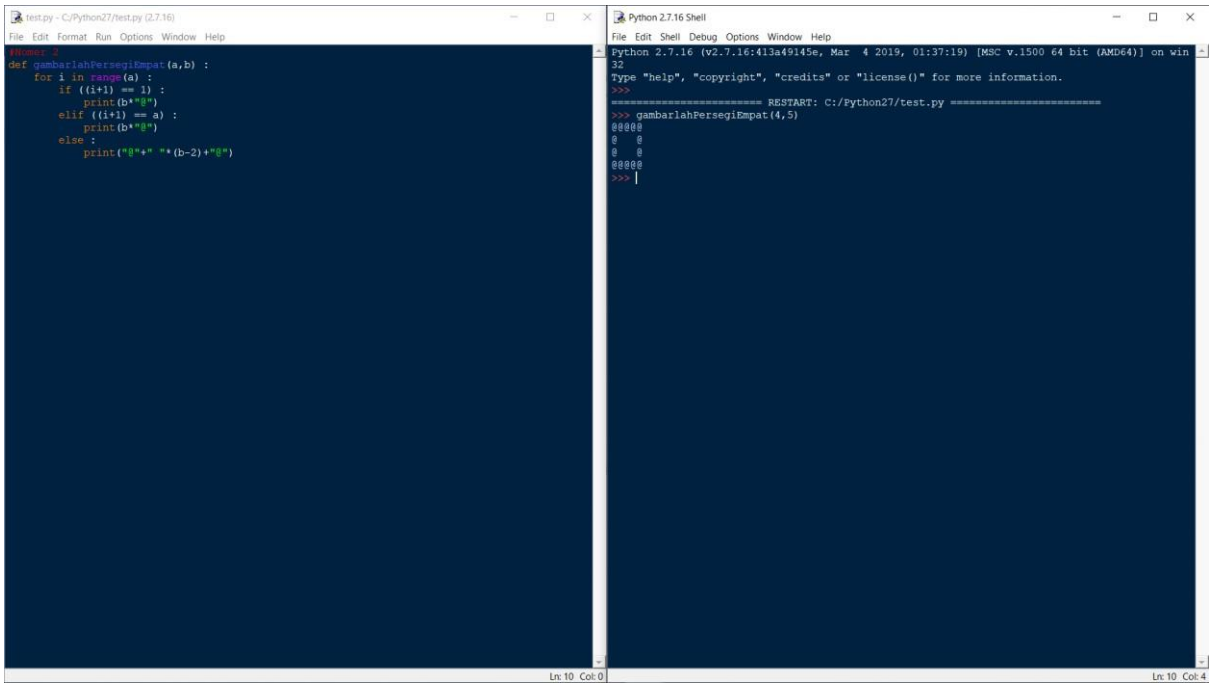
Nama : Wahyu Setyaji Rama Dwijaya
NIM : L200180065
Kelas : C

LAPORAN PRAKTIKUM
ALGORITMA DAN STRUKTUR DATA
MODUL 1

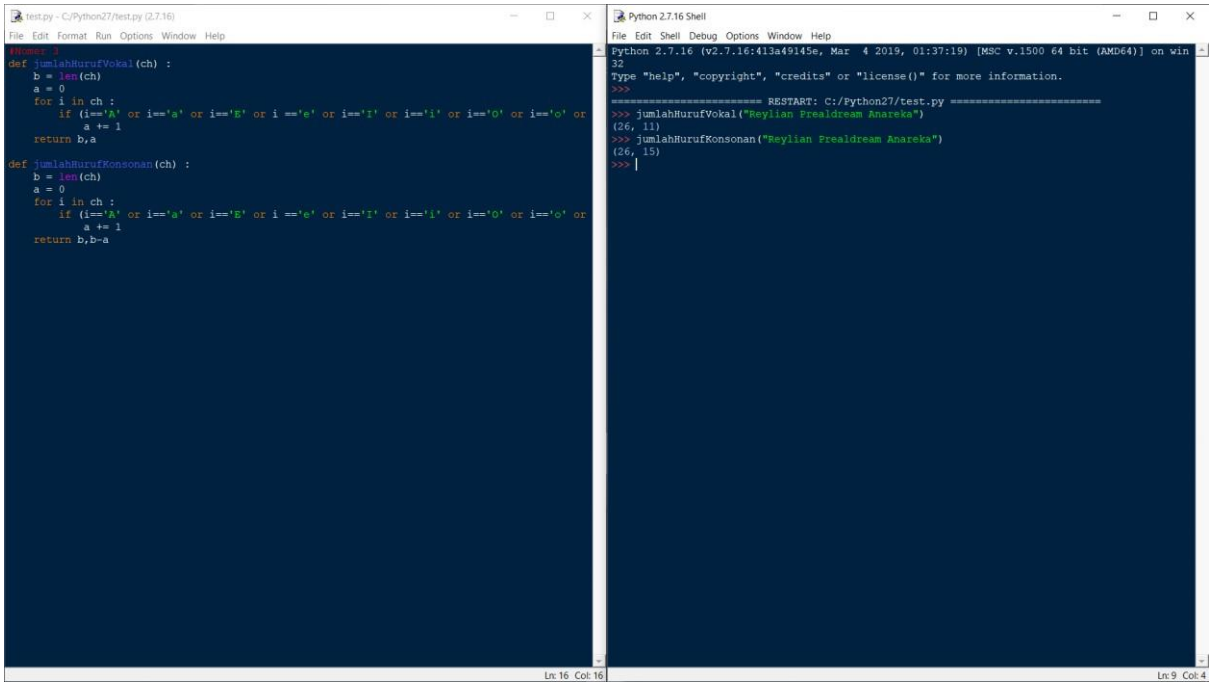
Nomer 1



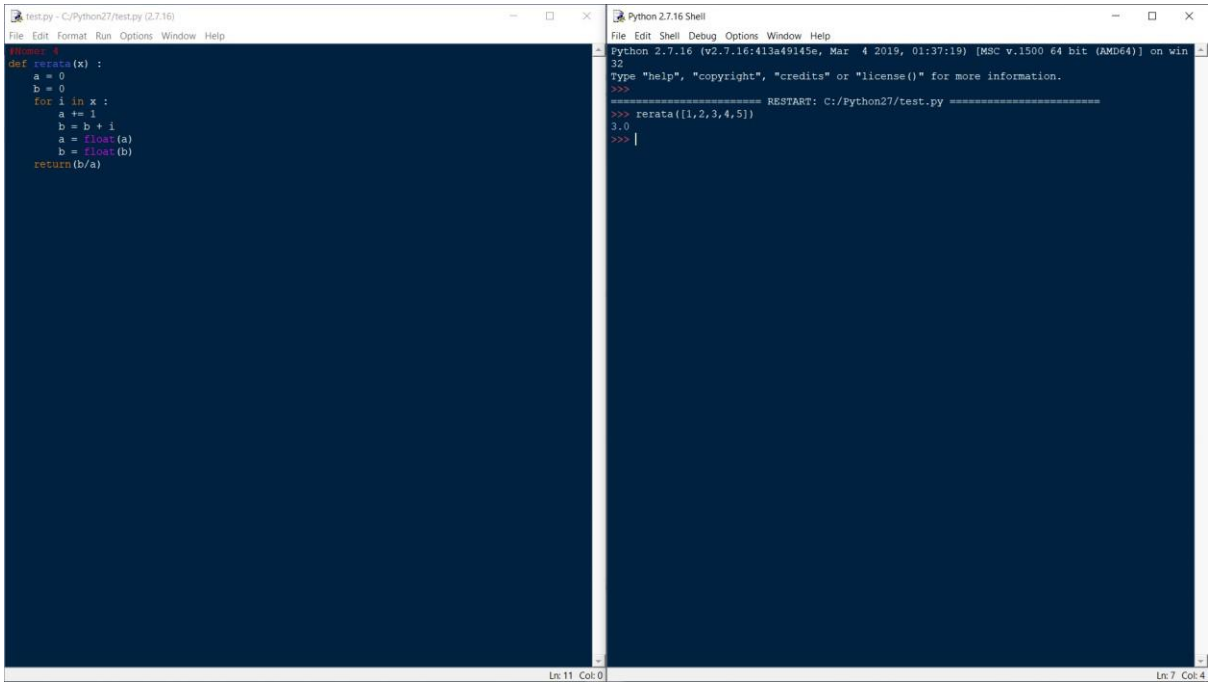
Nomer 2



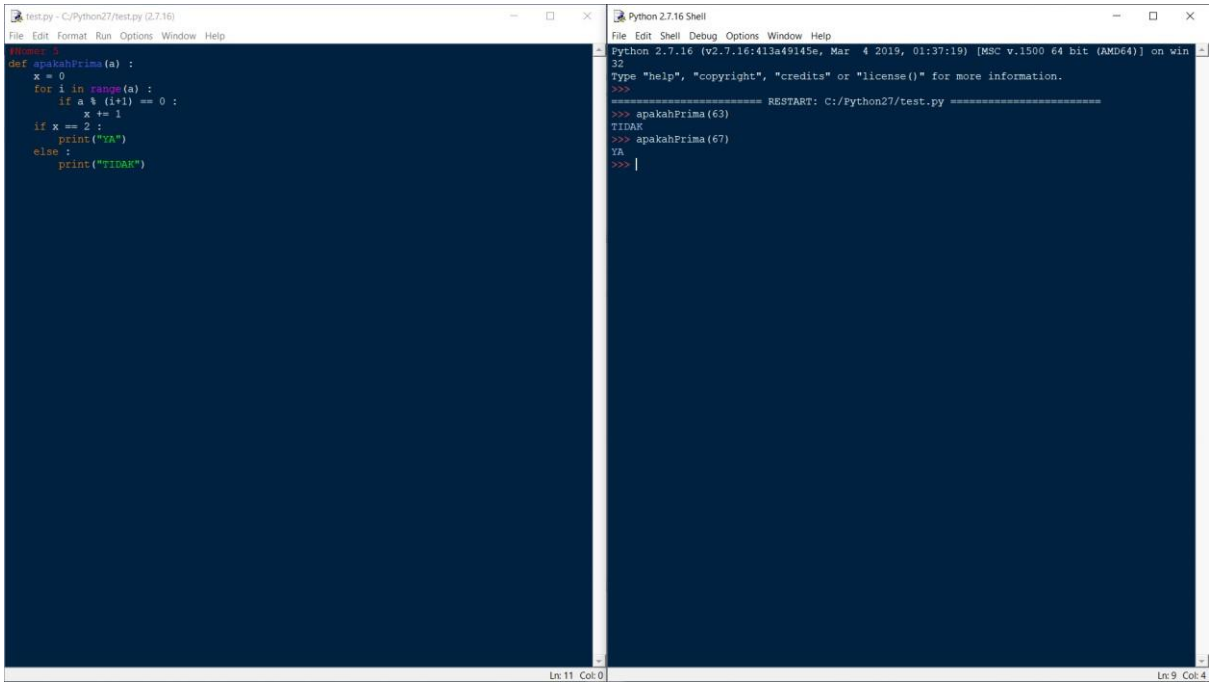
Nomer 3



Nomer 4



Nomer 5



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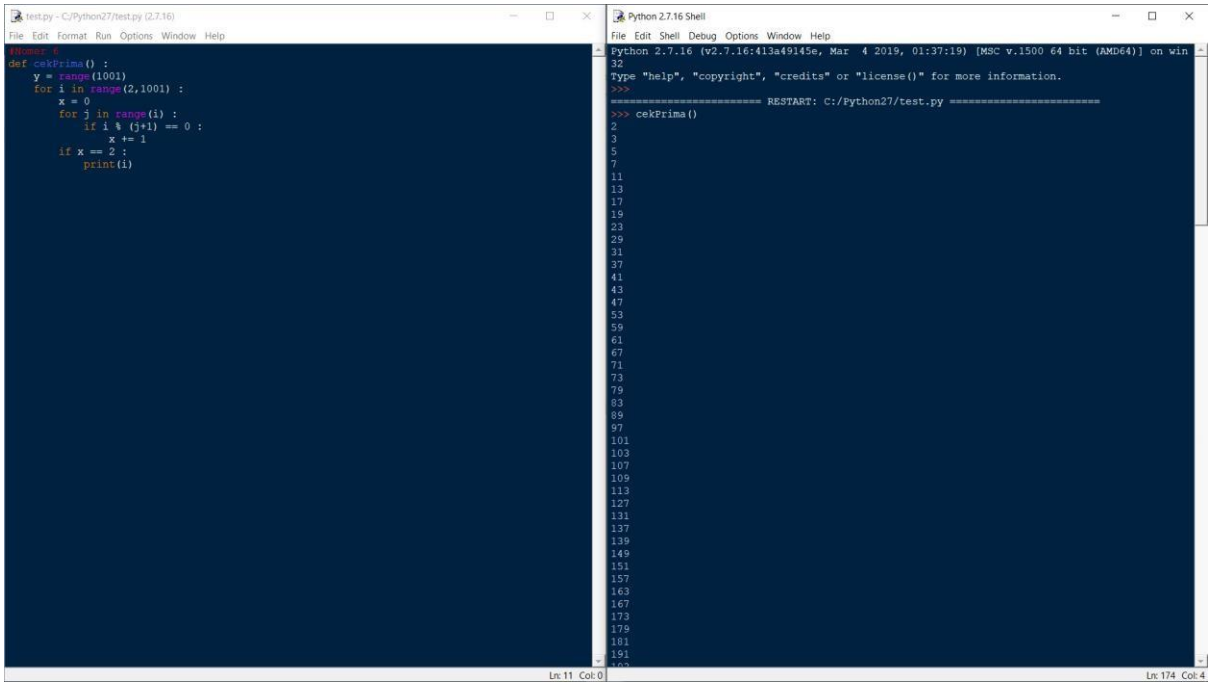
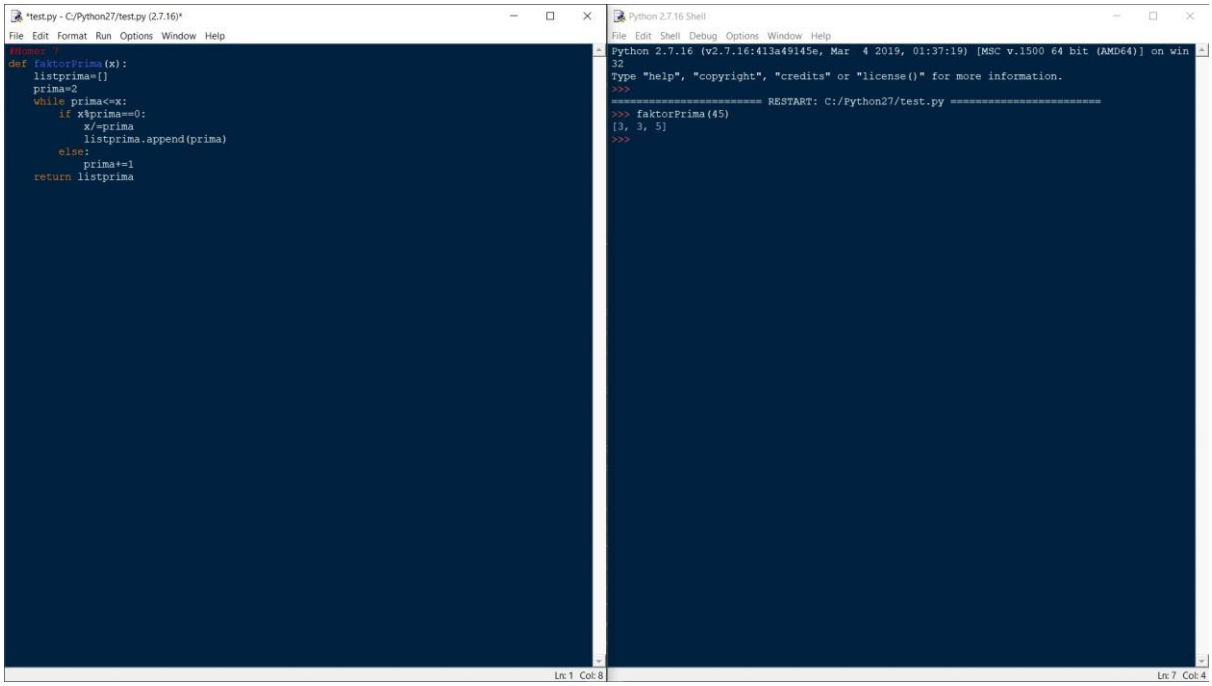
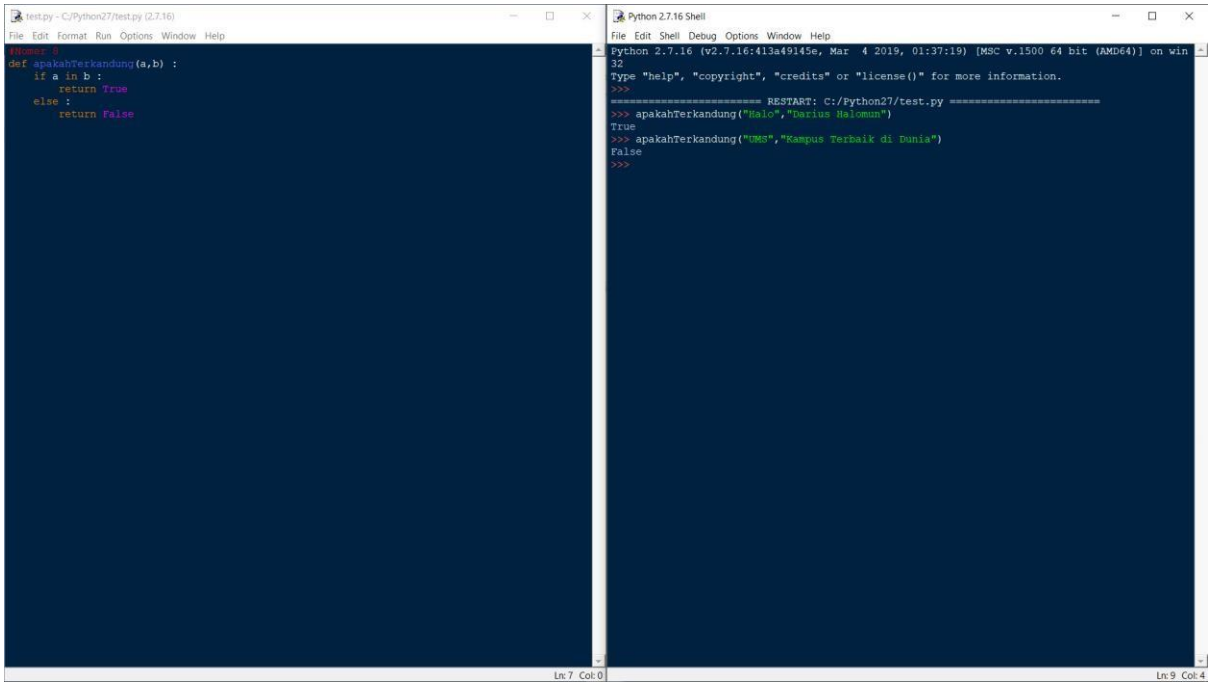


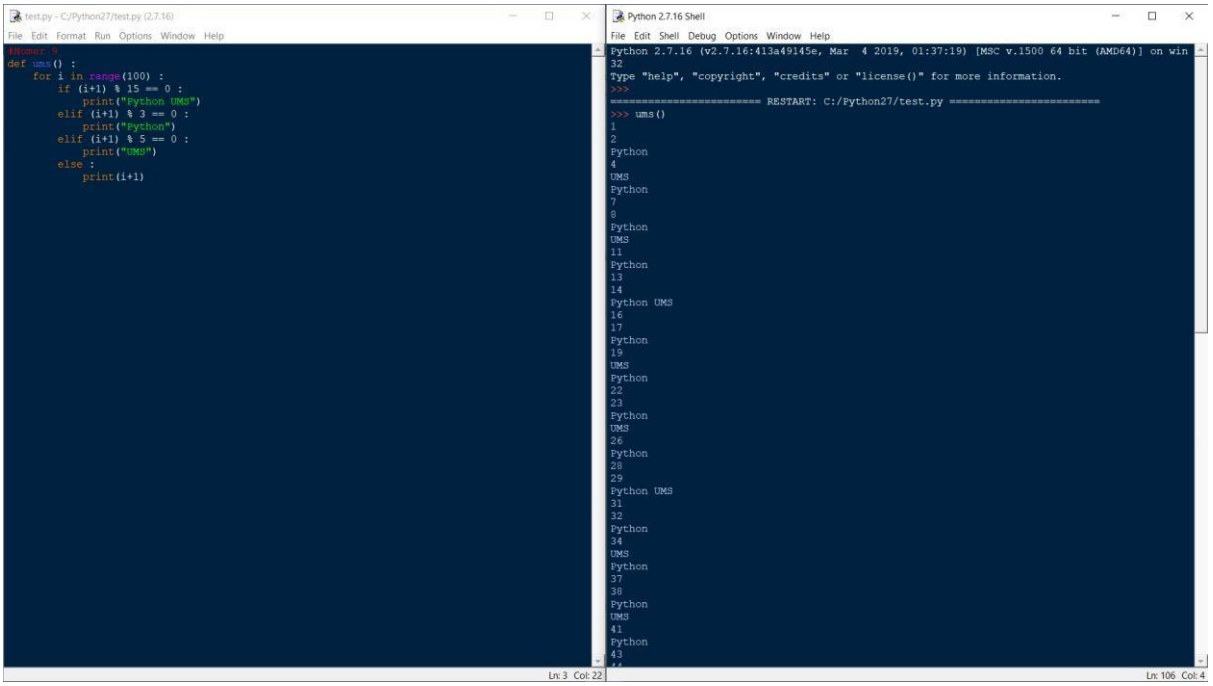
Nomer 7



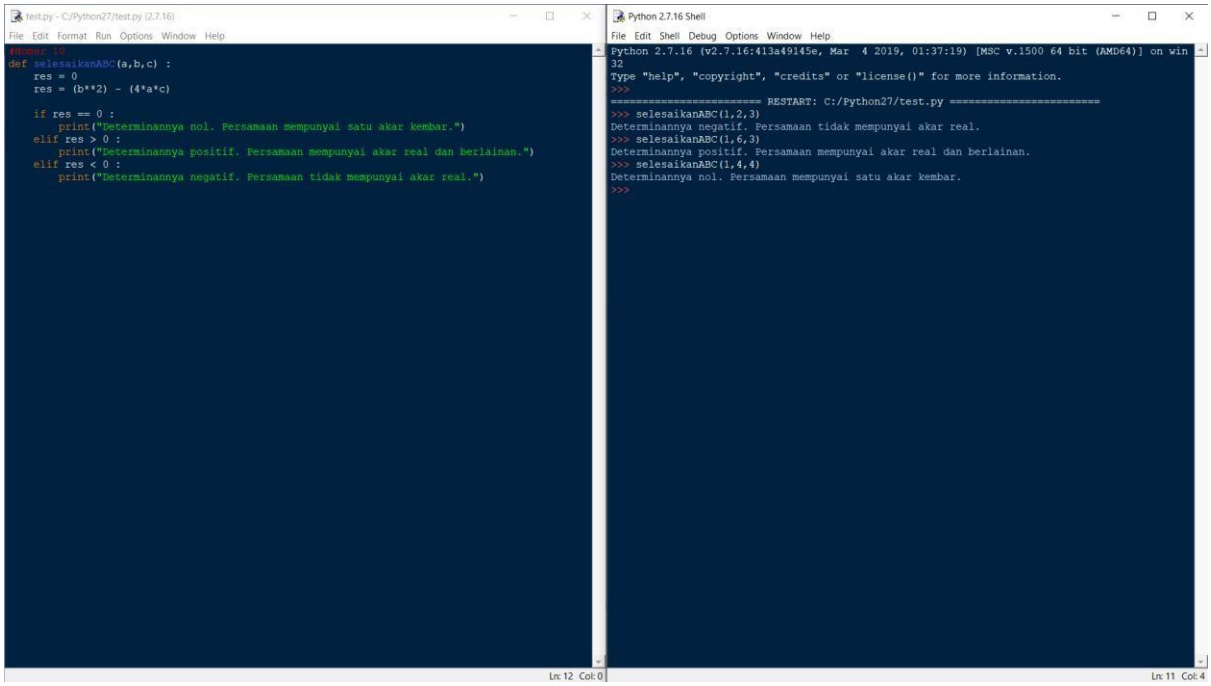
Nomer 8



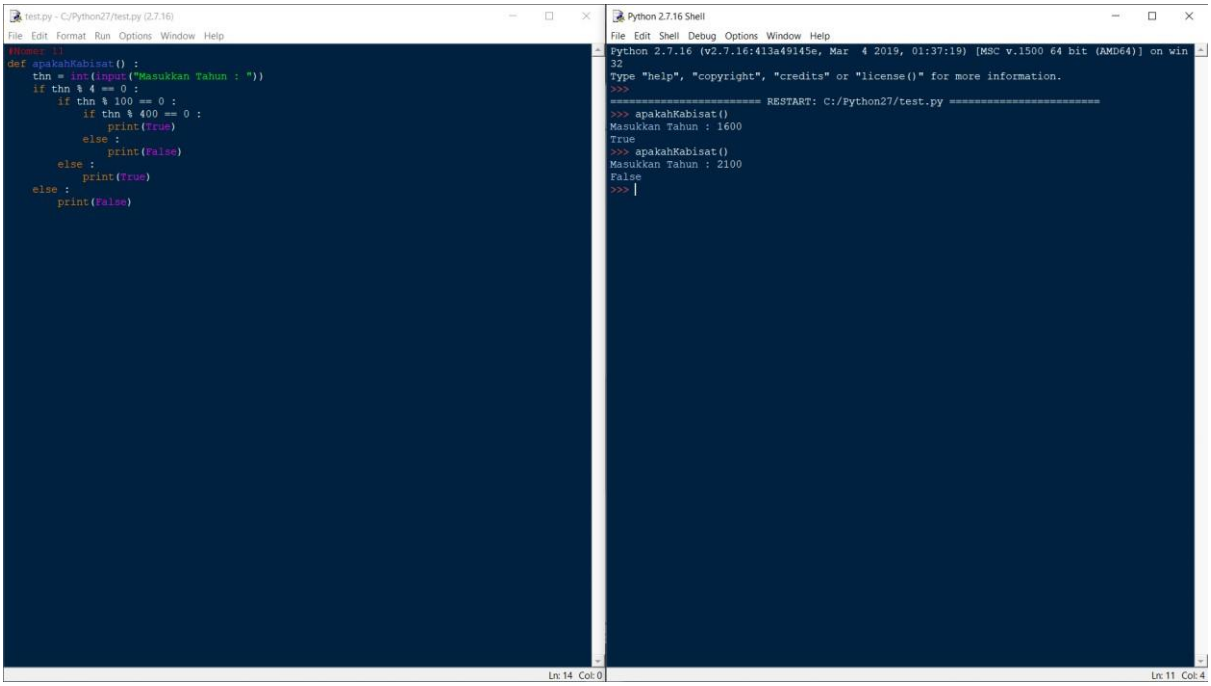
Nomer 9



Nomer 10



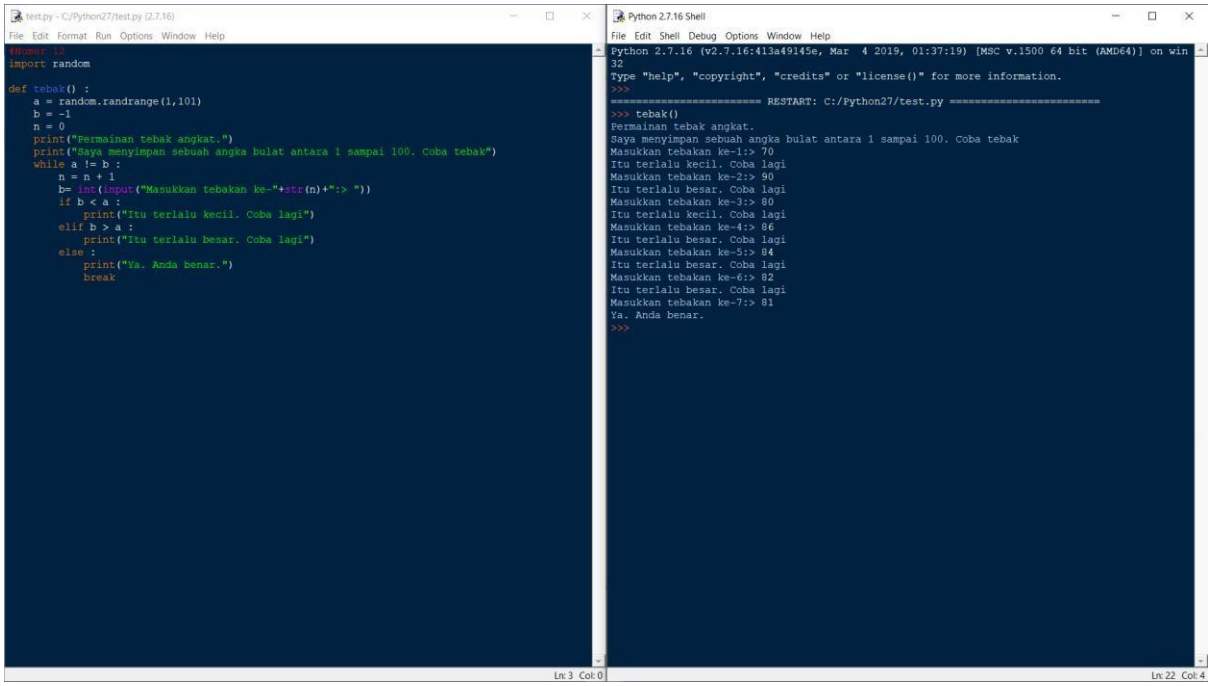
Nomer 11



```
#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 2.7.16 (v2.7.16:413a49145e, Mar  4 2019, 01:37:19) [MSC v.1500 64 bit (AMD64)] on win
32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
========== RESTART: C:/Python27/test.py ==========
>>> apakahKabisat()
Masukkan Tahun : 1600
True
>>> apakahKabisat()
Masukkan Tahun : 2100
False
>>>
```

Nomer 12

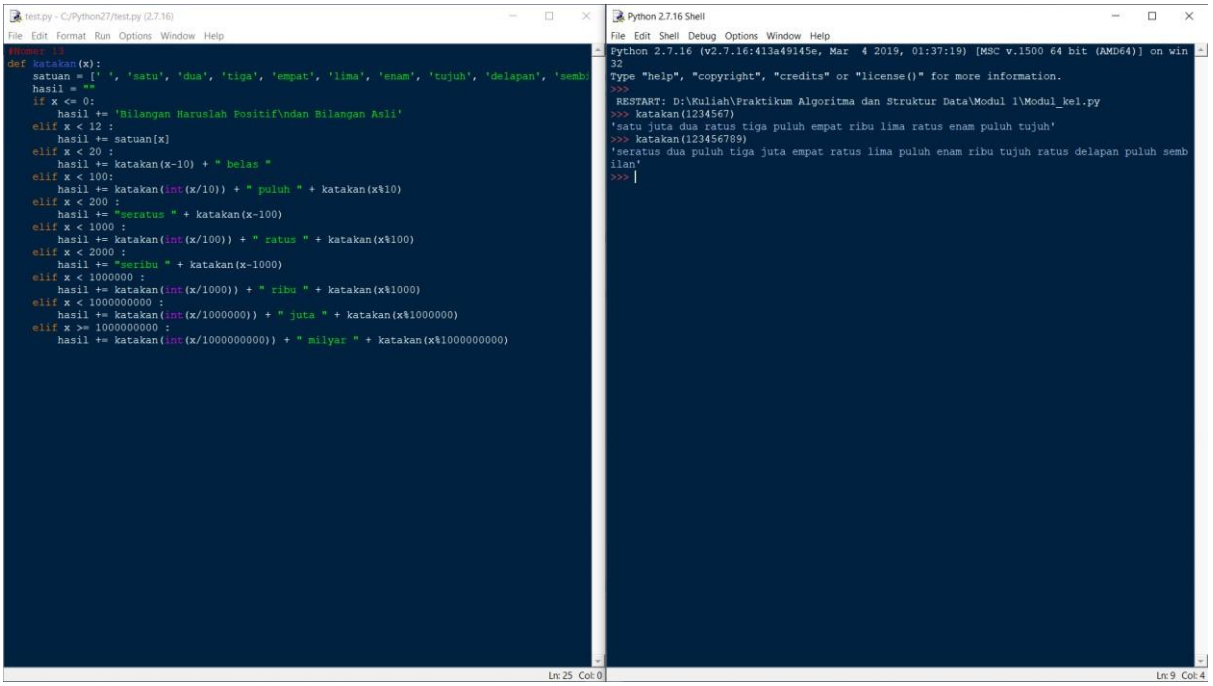


```
#Nomer 12
import random

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 tebak")
    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 2.7.16 (v2.7.16:413a49145e, Mar  4 2019, 01:37:19) [MSC v.1500 64 bit (AMD64)] on win
32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
========== RESTART: C:/Python27/test.py ==========
>>> tebak()
Permainan tebak angkat.
Saya menyimpan sebuah angka bulat antara 1 sampai 100. Coba tebak
Masukkan tebakan ke-1:> 70
Itu terlalu kecil. Coba lagi
Masukkan tebakan ke-2:> 90
Itu terlalu besar. Coba lagi
Masukkan tebakan ke-3:> 80
Itu terlalu kecil. Coba lagi
Masukkan tebakan ke-4:> 86
Itu terlalu besar. Coba lagi
Masukkan tebakan ke-5:> 84
Itu terlalu besar. Coba lagi
Masukkan tebakan ke-6:> 82
Itu terlalu besar. Coba lagi
Masukkan tebakan ke-7:> 81
Ya. Anda benar.
>>>
```

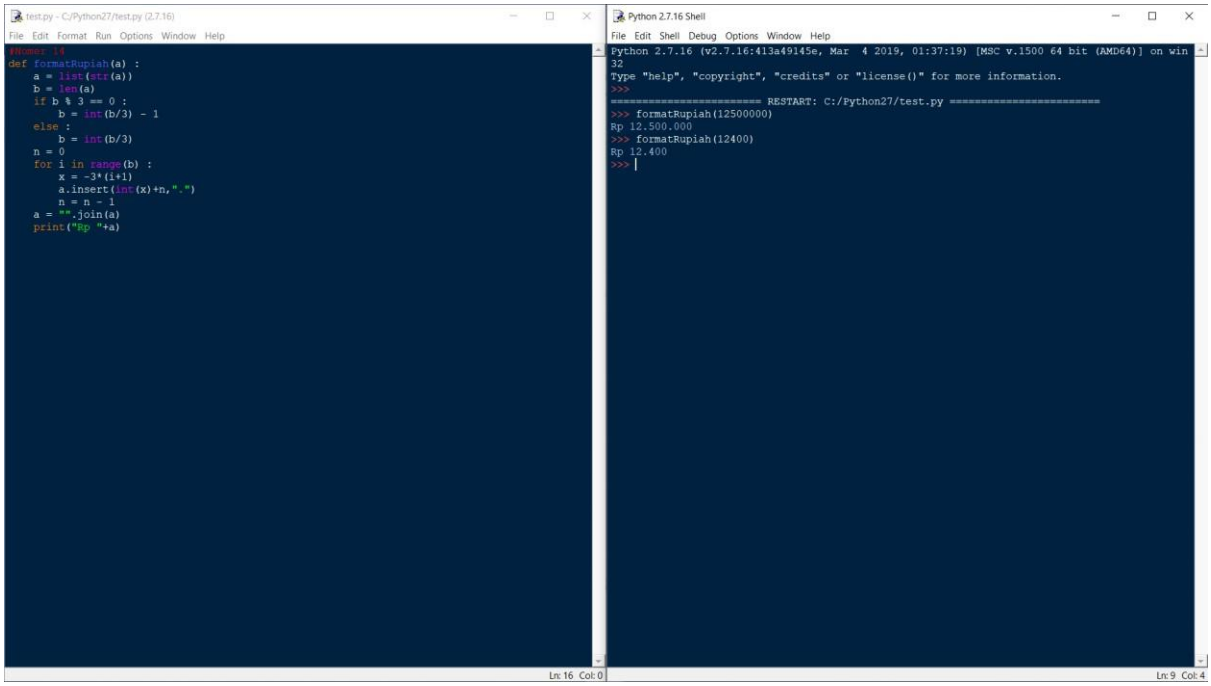
Nomer 13



```
#Nomer 13
def katakan(x):
    satuan = [' ', 'satu', 'dua', 'tiga', 'empat', 'lima', 'enam', 'tujuh', 'delapan', 'semb
    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%1000000000)
```

```
Python 2.7.16 (v2.7.16:413a49145e, Mar  4 2019, 01:37:19) [MSC v.1500 64 bit (AMD64)] on win
32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
 RESTART: D:\Kuliah\Praktikum Algoritma dan Struktur Data\Modul 1\Modul_kel.py
>>> katakan(1234567)
'satu juta dua ratus tiga puluh empat ribu lima ratus enam puluh tujuh'
>>> katakan(123456789)
'seratus dua puluh tiga juta empat ratus lima puluh enam ribu tujuh ratus delapan puluh semb
ilan'
>>>
```

Nomer 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 2.7.16 (v2.7.16:413a49145e, Mar  4 2019, 01:37:19) [MSC v.1500 64 bit (AMD64)] on win
32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
========== RESTART: C:/Python27/test.py ==========
>>> formatRupiah(12500000)
Rp 12.500.000
>>> formatRupiah(12400)
Rp 12.400
>>>
```