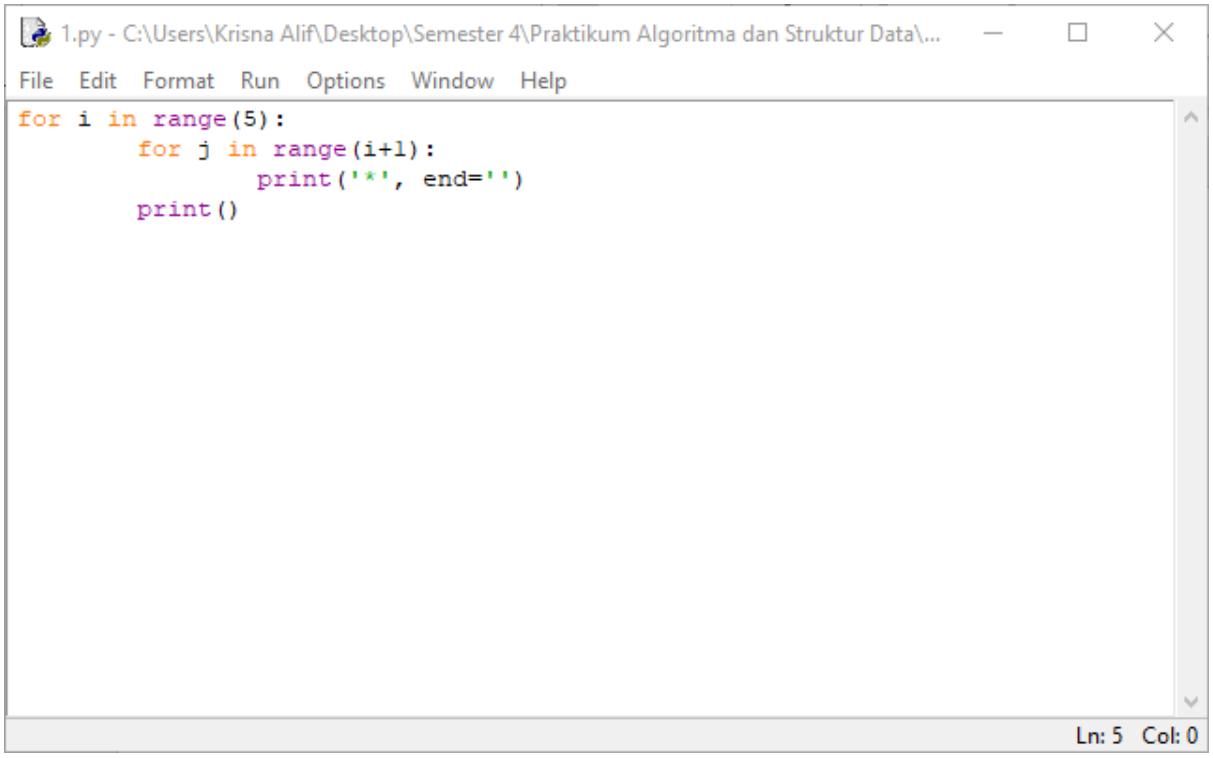
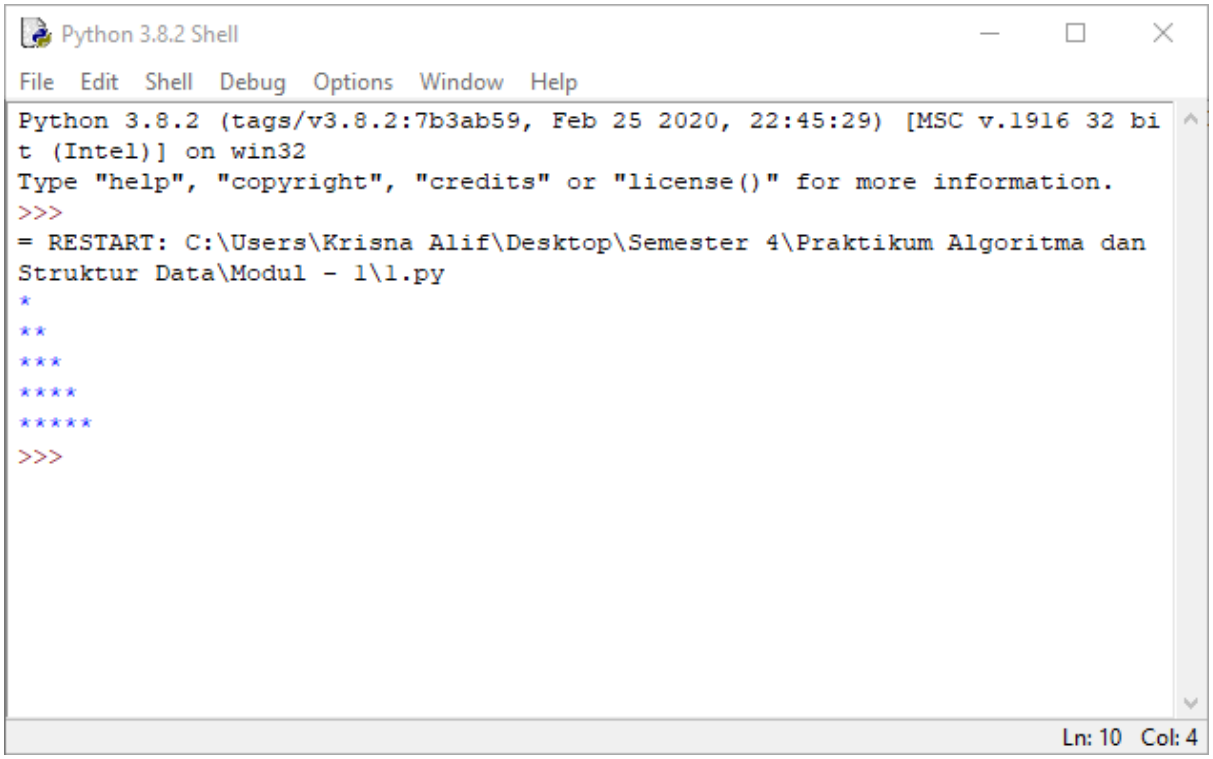
Nama : Krisna Alif Meilana

NIM : L200180028

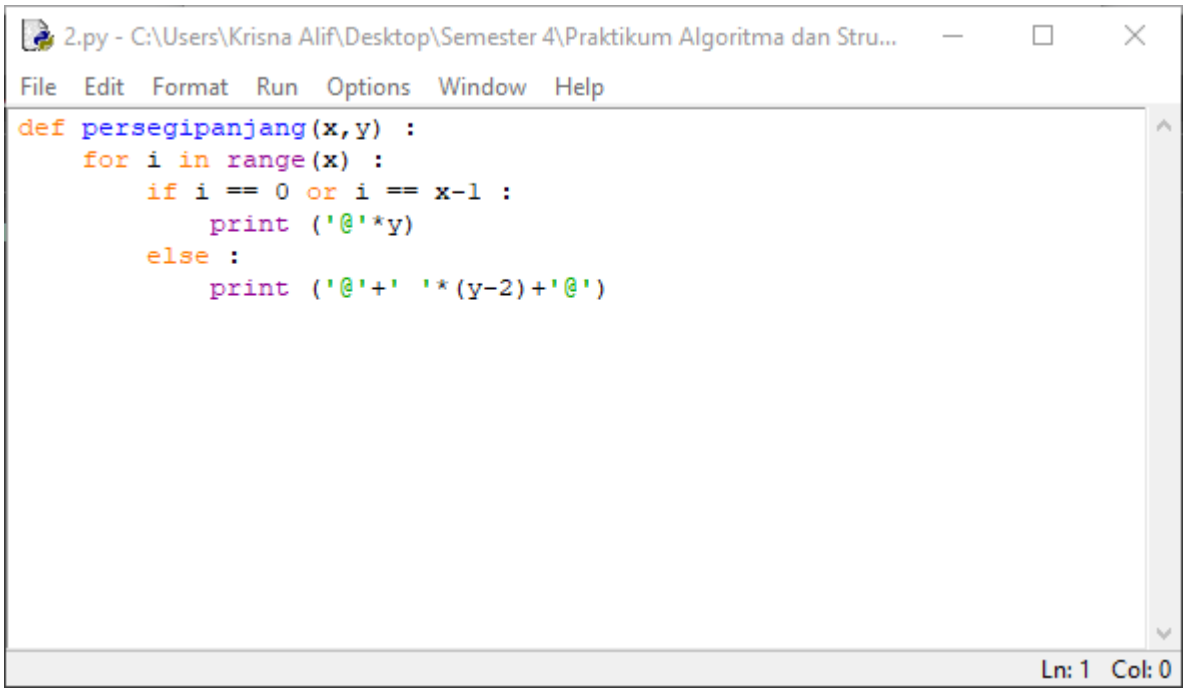
Modul 1

1. Buatlah fungsi cetakSiku(x)

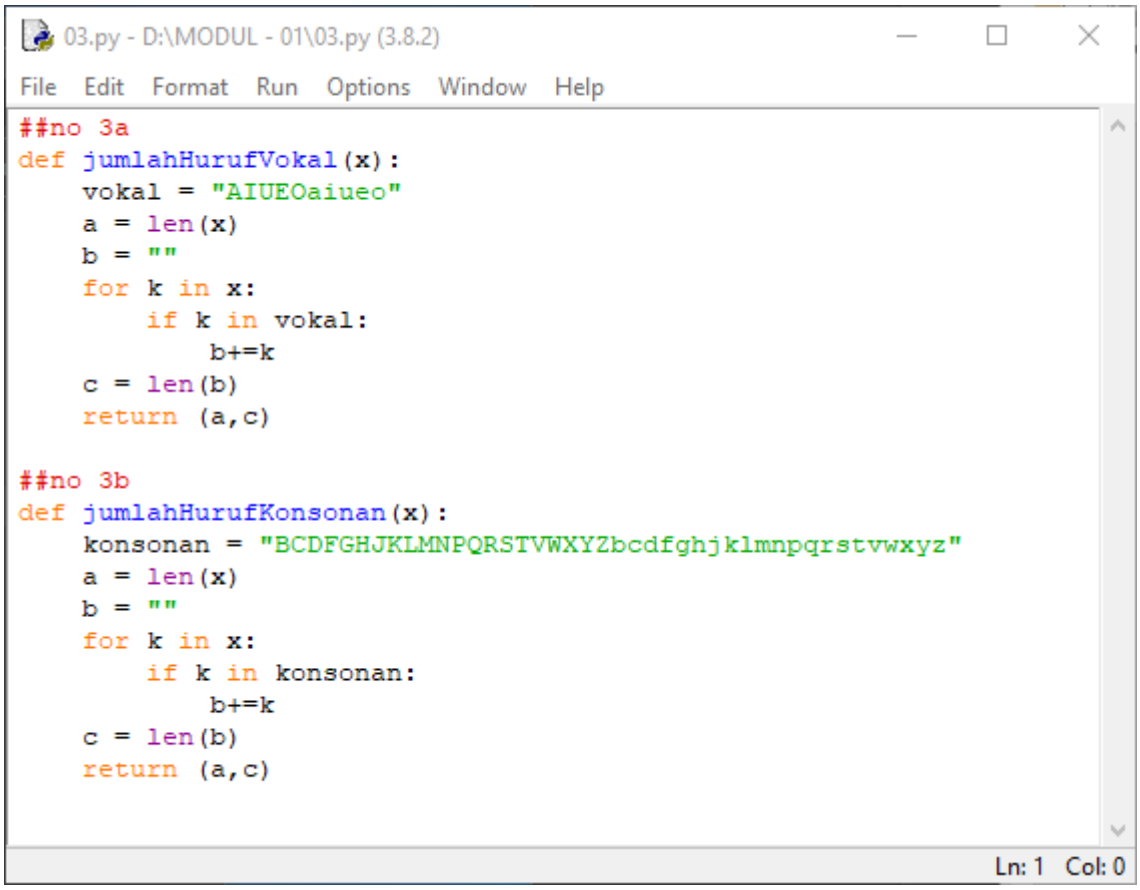


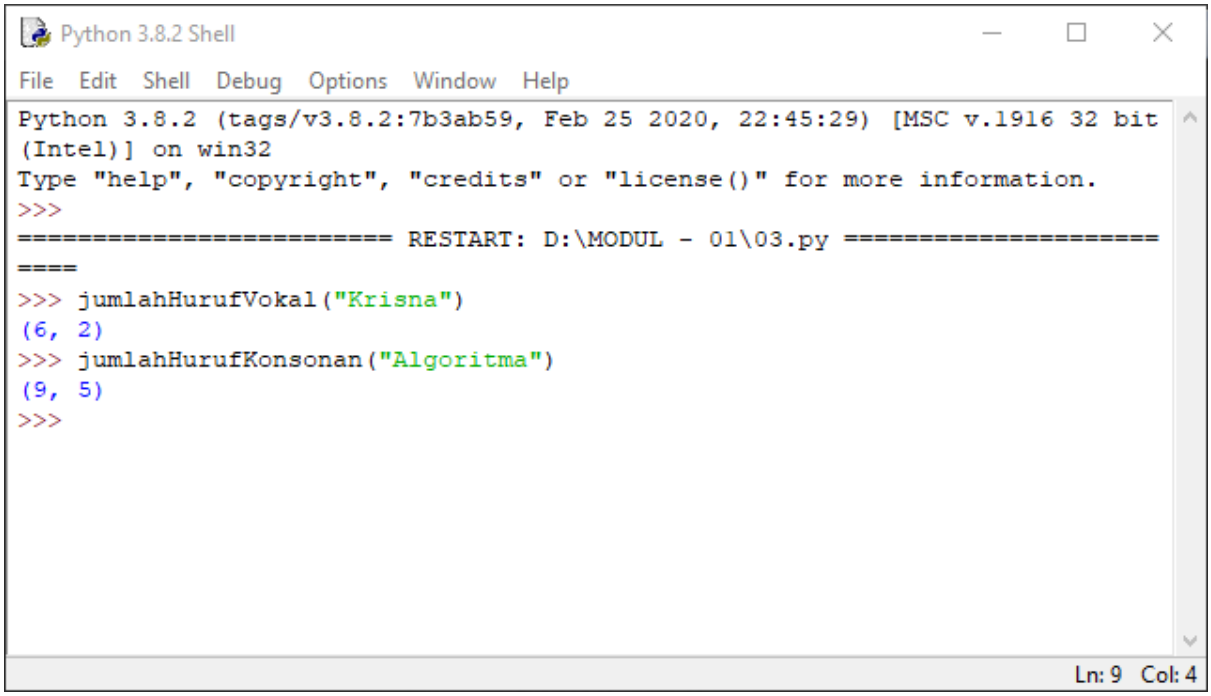


2. Buatlah fungsi yang menerima dua integer positif

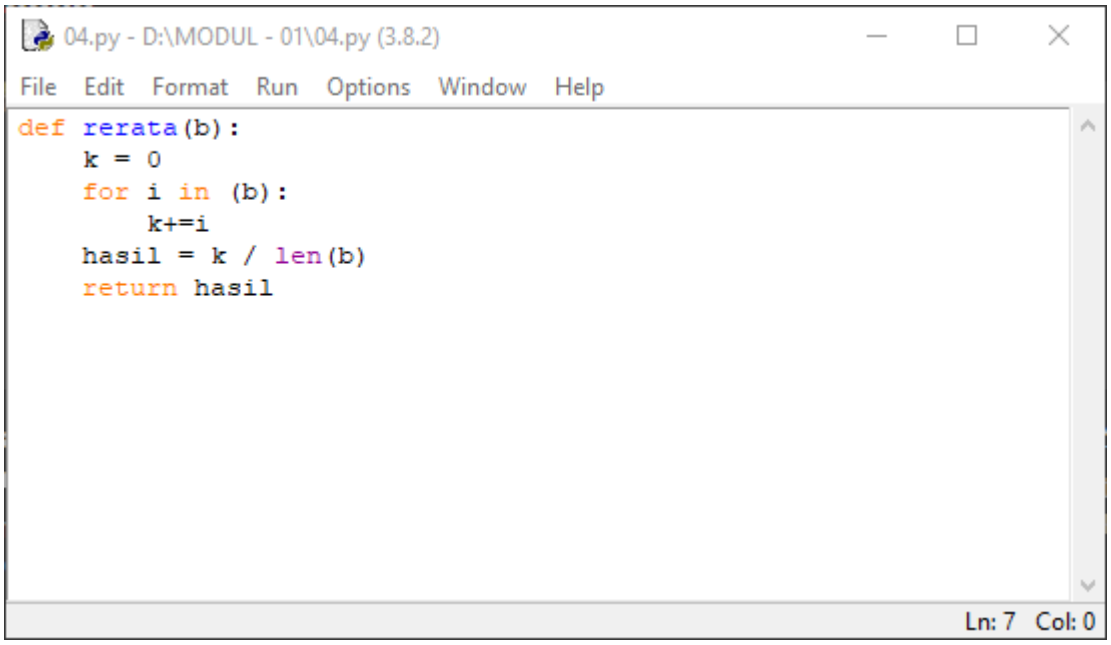


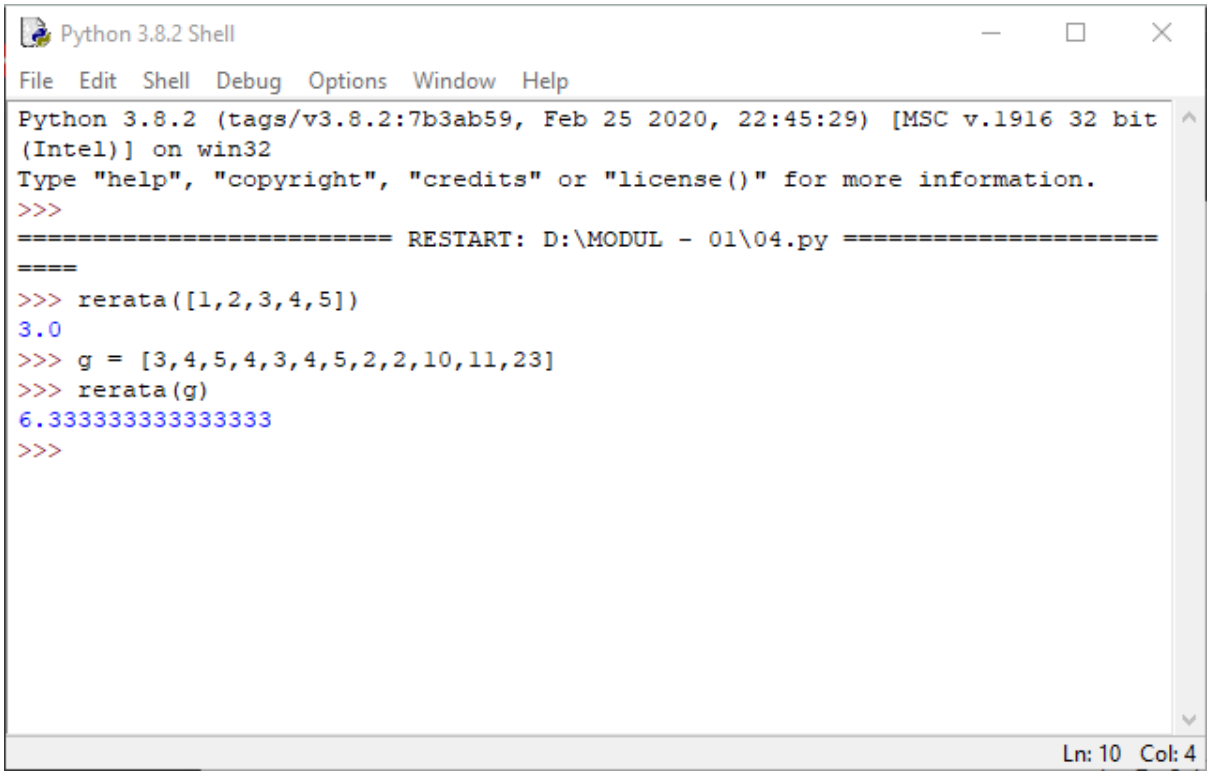
3. Fungsi yang menerima string dan mengembalikan sebuah list dari dua integer. Yakni jumlah huruf konsonan dan vokal.



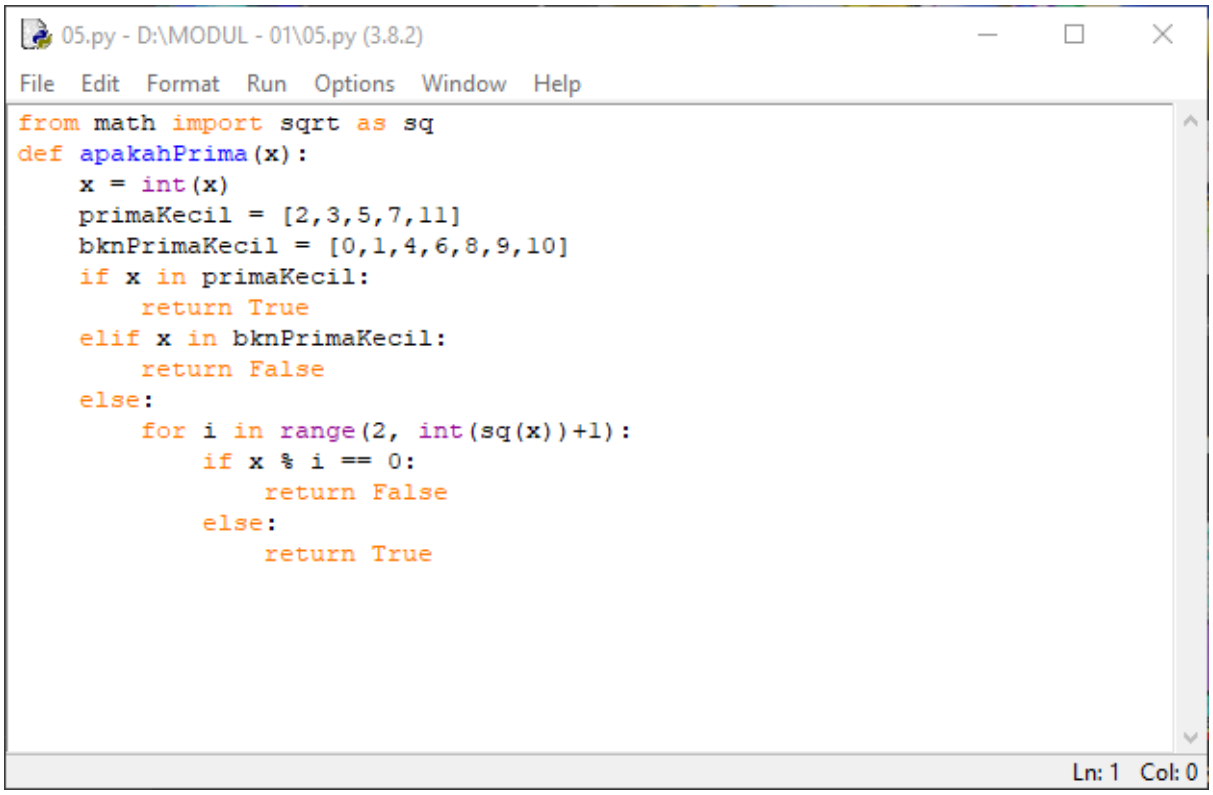


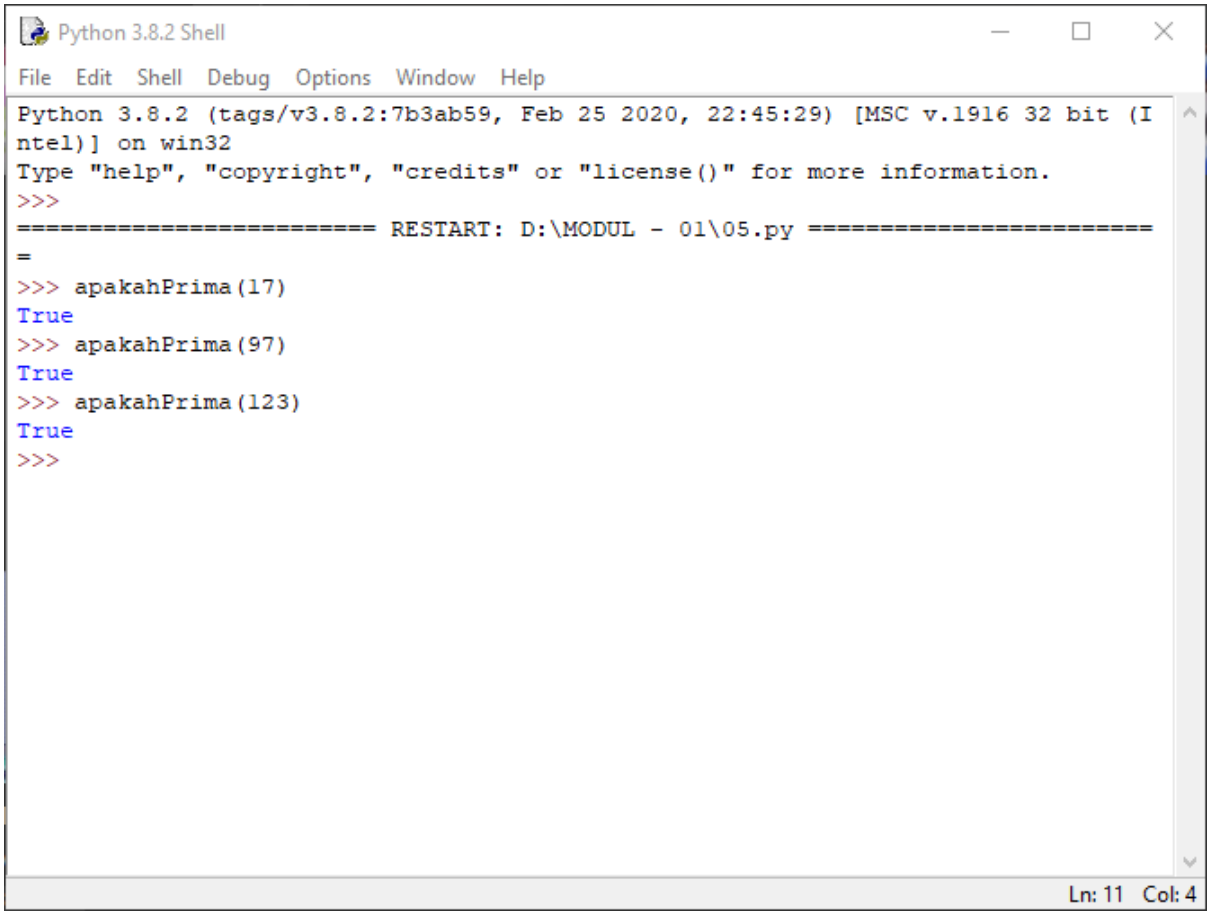
4. Buatlah sebuah fungsi yang menghitung rerata sebuah array yang berisi bilangan.



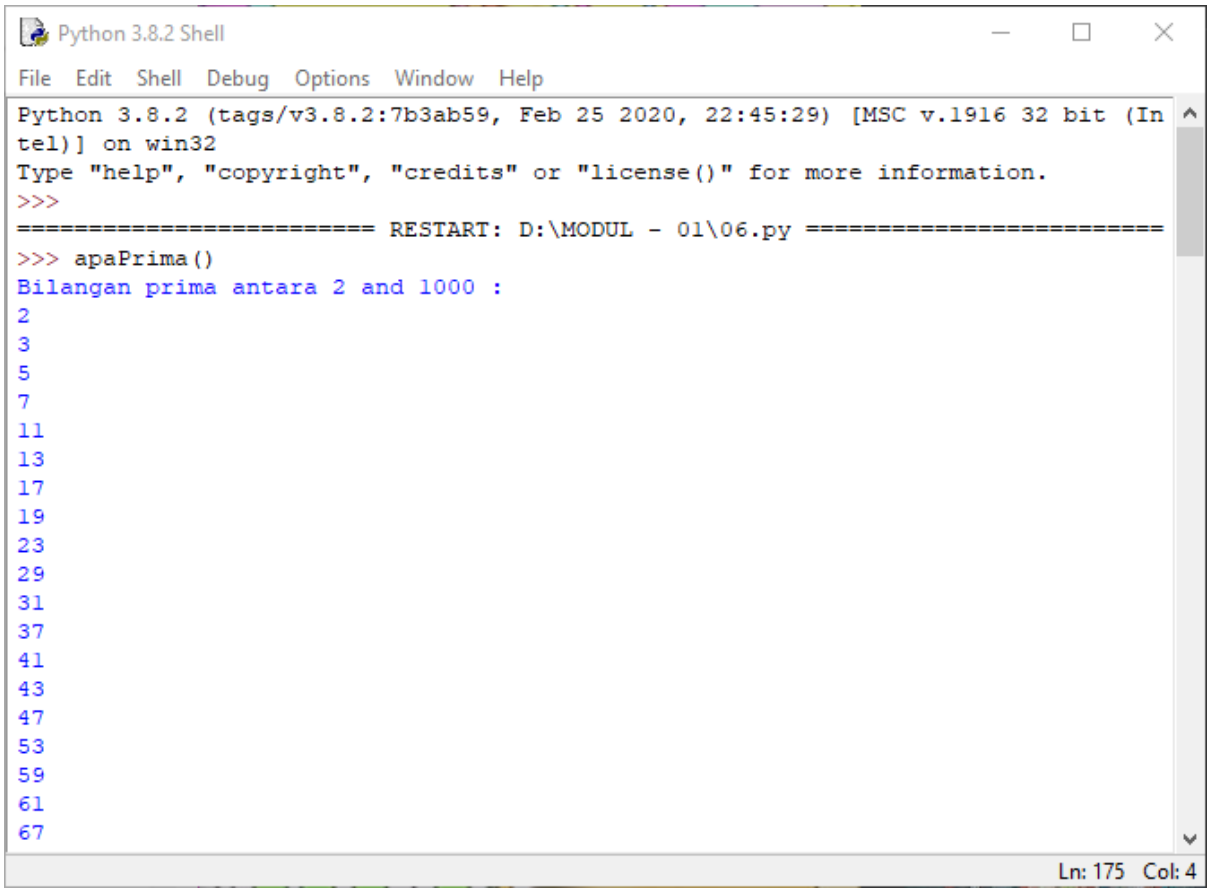


5. Fungsi bilangan prima





6. Program bilangan prima 2 sampai 1000



7. Faktorisasi Prima

07.py - D:\MODUL - 01\07.py (3.8.2)

File Edit Format Run Options Window Help

```
def faktorPrima(x):
    faktor=[]
    loop=2
    while loop<=x:
        if x%loop==0:
            x/=loop
            faktor.append(loop)
        else:
            loop+=1
    return faktor
```

Ln: 1 Col: 0

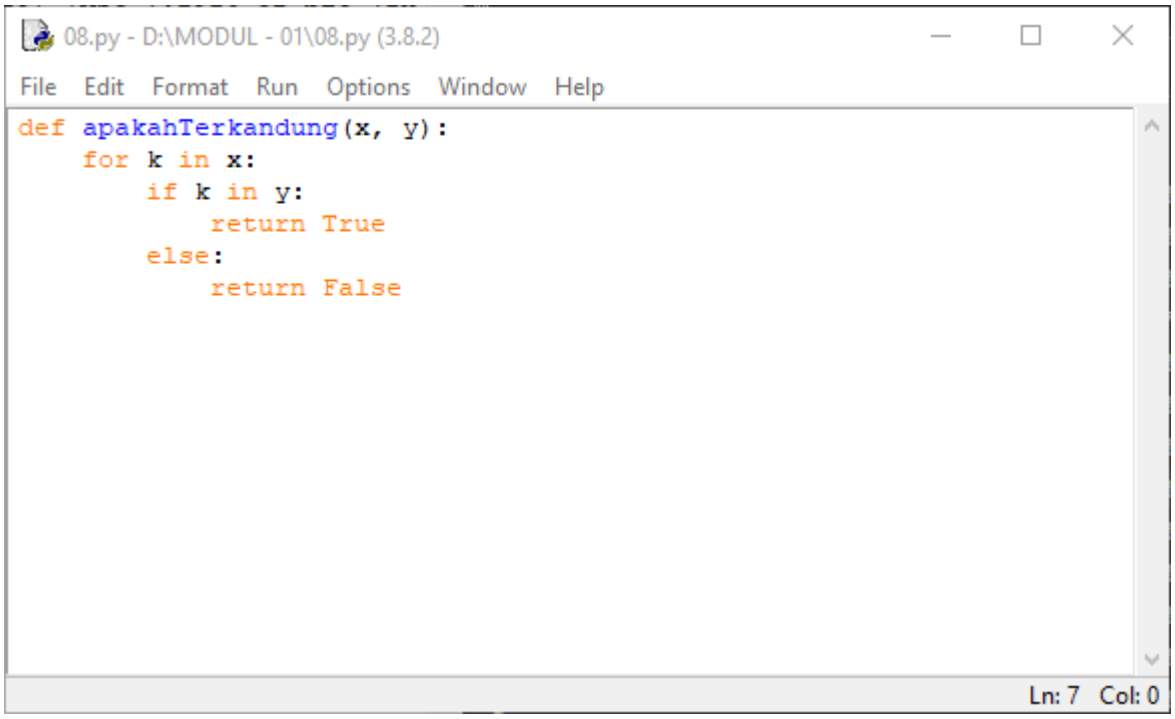
Python 3.8.2 Shell

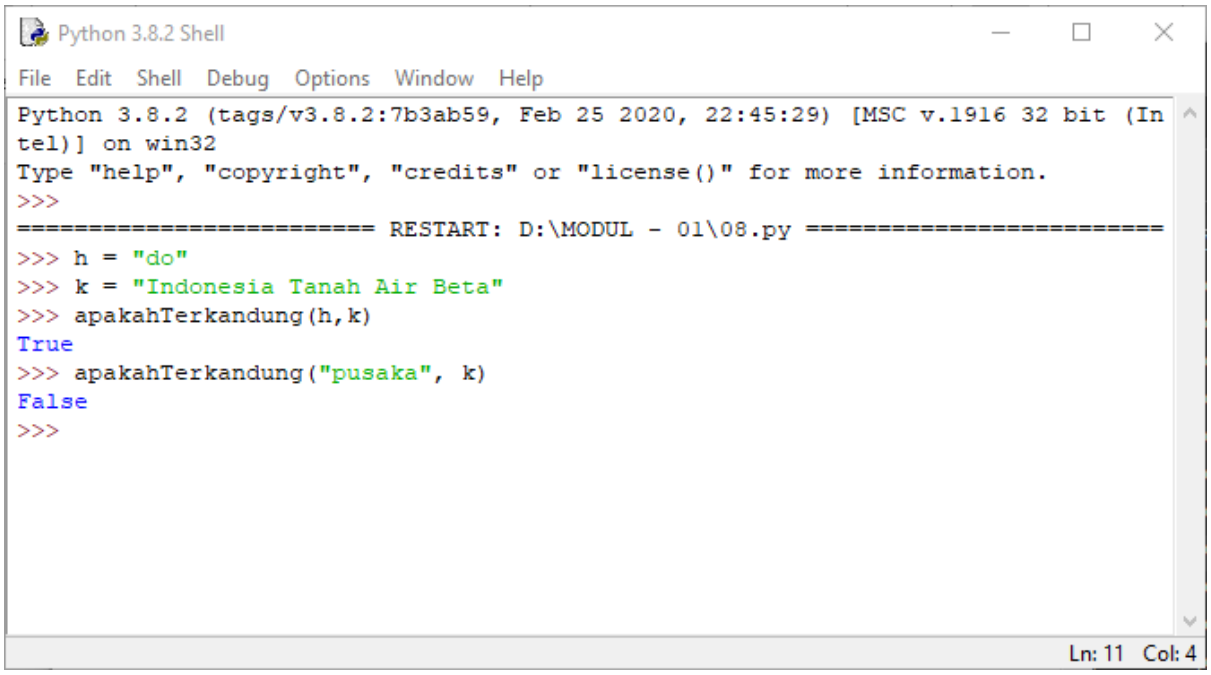
File Edit Shell Debug Options Window Help

```
Python 3.8.2 (tags/v3.8.2:7b3ab59, Feb 25 2020, 22:45:29) [MSC v.1916 32 bit (In
tel)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
========================== RESTART: D:\MODUL - 01\07.py ==========================
>>> faktorPrima(10)
[2, 5]
>>> faktorPrima(120)
[2, 2, 2, 3, 5]
>>> faktorPrima(19)
[19]
>>>
```

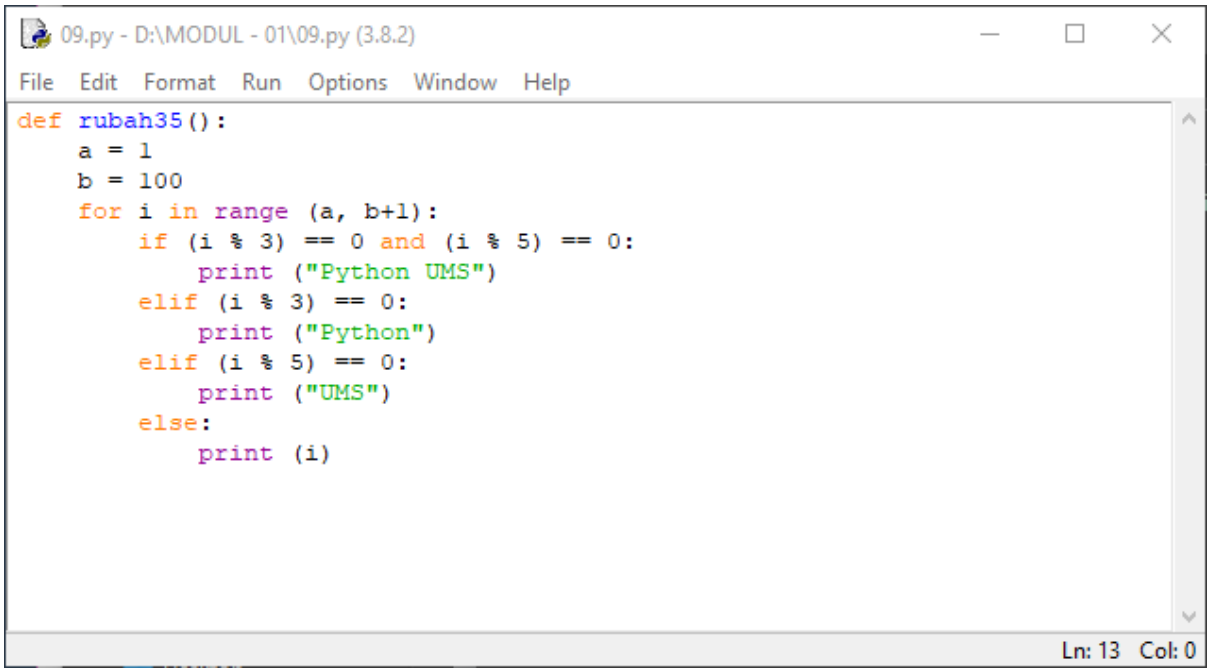
Ln: 11 Col: 4

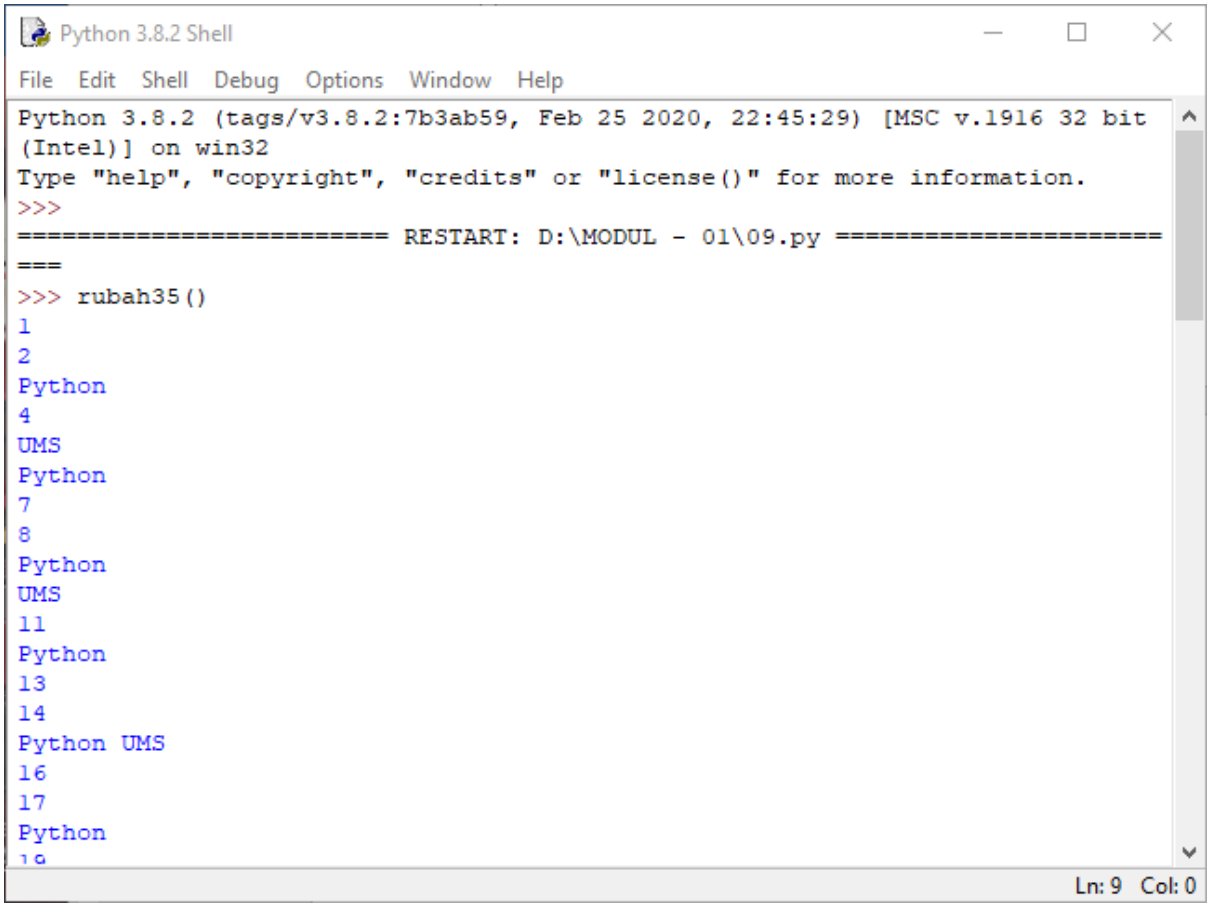
8. Fungsi


08.py - D:\MODUL - 01\08.py (3.8.2)
File Edit Format Run Options Window Help
def apakahTerkandung(x, y):
for k in x:
if k in y:
return True
else:
return False
Ln: 7 Col: 0

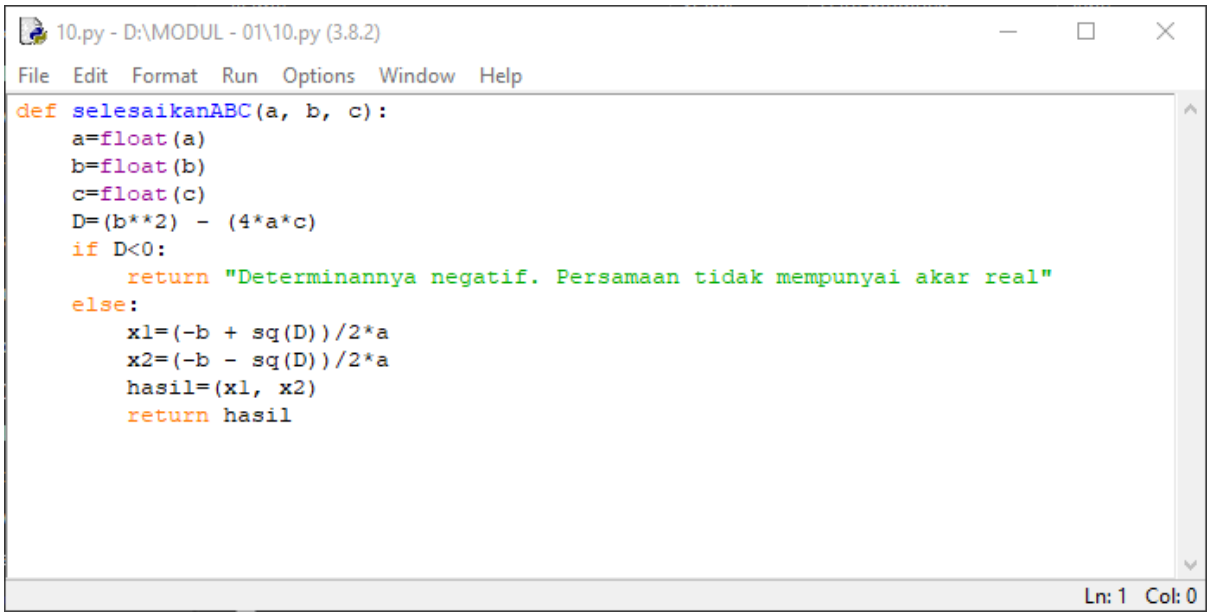

Python 3.8.2 Shell
File Edit Shell Debug Options Window Help
Python 3.8.2 (tags/v3.8.2:7b3ab59, Feb 25 2020, 22:45:29) [MSC v.1916 32 bit (Intel)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
========== RESTART: D:\MODUL - 01\08.py ==========
>>> h = "do"
>>> k = "Indonesia Tanah Air Beta"
>>> apakahTerkandung(h,k)
True
>>> apakahTerkandung("pusaka", k)
False
>>>
Ln: 11 Col: 4

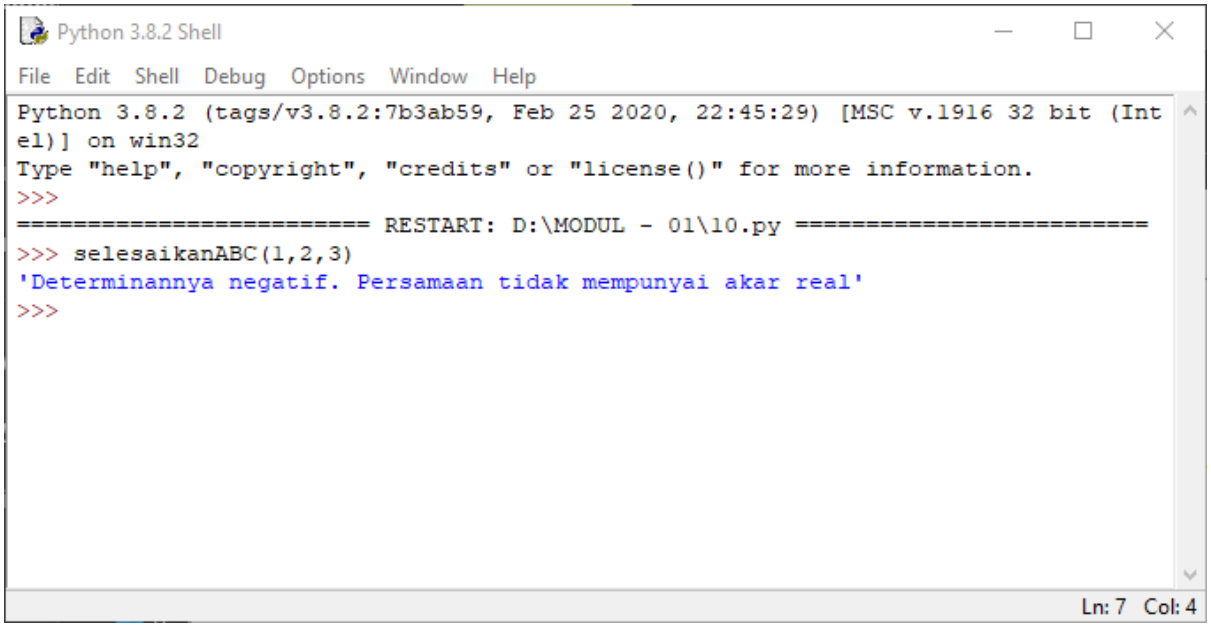
9. Program mencetak angka 1 sampai 100



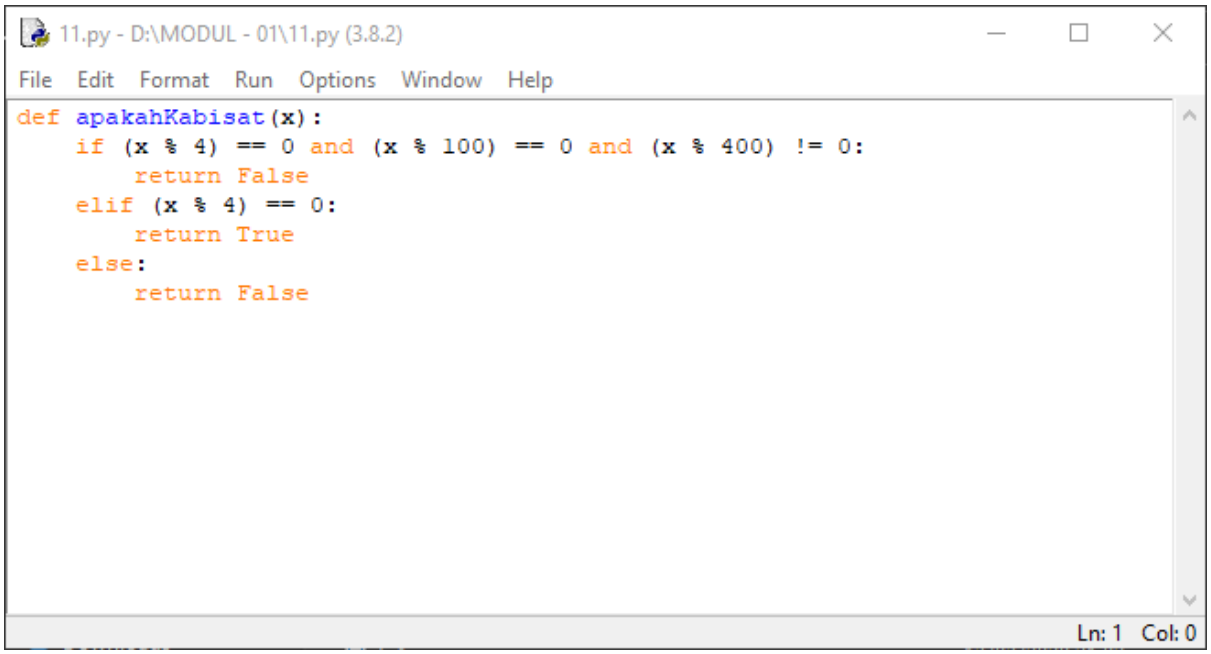


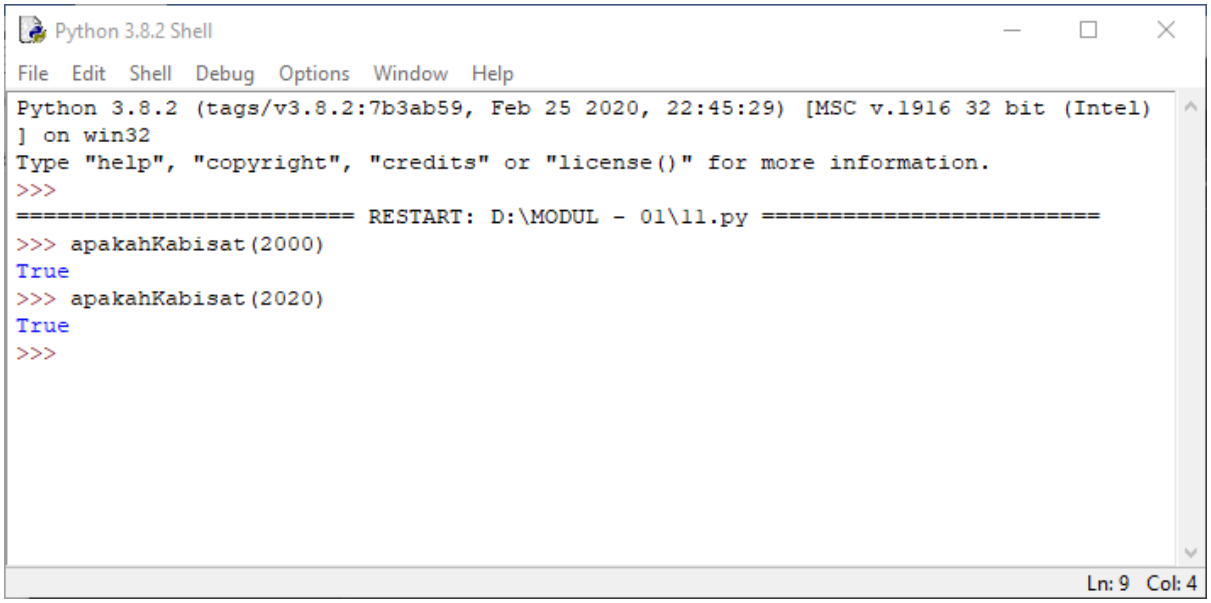
10. Modifikasi





11. Fungsi tahun kabisat





12. Program permainan tebak angka

12.py - D:\MODUL - 01\12.py (3.8.2)

File Edit Format Run Options Window Help

```
from random import randint
print("""Permainan tebak angka.
Saya menyimpan sebuah angka bulat antara 1 sampai 100. Coba Tebak!""")
a = randint(1, 100)
for i in range (3):
    b = int(input("Masukkan tebakkan ke-{}:>".format(i+1)))
    if b == a:
        print ("Ya. Anda benar.")
    elif b > a:
        if i >= 2:
            print ("Itu terlalu besar. Kesempatan habis. Nilainya adalah",a)
        else:
            print ("Itu terlalu besar. Coba lagi")
    else:
        if i >= 2:
            print ("Itu terlalu kecil. Kesempatan habis. Nilainya adalah",a)
        else:
            print ("Itu terlalu kecil. Coba lagi")
```

Ln: 19 Col: 0

Python 3.8.2 Shell

File Edit Shell Debug Options Window Help

```
Python 3.8.2 (tags/v3.8.2:7b3ab59, Feb 25 2020, 22:45:29) [MSC v.1916 32 bit (In
tel)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
========================== RESTART: D:\MODUL - 01\12.py ==========================
Permainan tebak angka.
Saya menyimpan sebuah angka bulat antara 1 sampai 100. Coba Tebak!
Masukkan tebakkan ke-1:>57
Itu terlalu kecil. Coba lagi
Masukkan tebakkan ke-2:>30
Itu terlalu kecil. Coba lagi
Masukkan tebakkan ke-3:>46
Itu terlalu kecil. Kesempatan habis. Nilainya adalah 62
>>>
```

Ln: 13 Col: 4

13. Fungsi

13.py - D:\MODUL - 01\13.py (3.8.2)

File Edit Format Run Options Window Help

```
def katakan(angka):
    satuan = ["satu", "dua", "tiga", "empat", "lima",
              "enam", "tujuh", "delapan", "sembilan", "sepuluh",
              "sebelas", "dua belas", "tiga belas", "empat belas", "lima belas",
              "enam belas", "tujuh belas", "delapan belas", "sembilan belas"
              ]
    angka = '{:0,.0f}'.format(int(angka))
    angka = angka.split(",")
    katakan = []
    idx = 1
    for x in angka[::-1]:
        seribu = False
        if idx == 2 and x[-1]!="0":
            if int(x)< 2 :
                katakan.append("seribu")
                seribu = True
            else:
                katakan.append("ribu")
        if idx == 3 and x[-1]!="0":
            katakan.append("juta")
        if seribu == False:
            if int(x[-2:])<20 and int(x[-2:])>0:
                katakan.append(satuan[int(x[-2:])-1])
            elif int(x[-2:])>0:
                if int(x[-1])!=0:
                    katakan.append(satuan[int(x[-1])-1])
                if int(x[-2]) != 0:
                    katakan.append(satuan[int(x[-2])-1]+" puluh")
        if int(x[0]) > 2 and len(x)==3 :
            katakan.append(satuan[int(x[0])-1]+" ratus")
        elif len(x)==3 and int(x[0])!=0 :
            katakan.append("seratus")
        idx+=1
    return " ".join(katakan[::-1])
```

Ln: 1 Col: 0

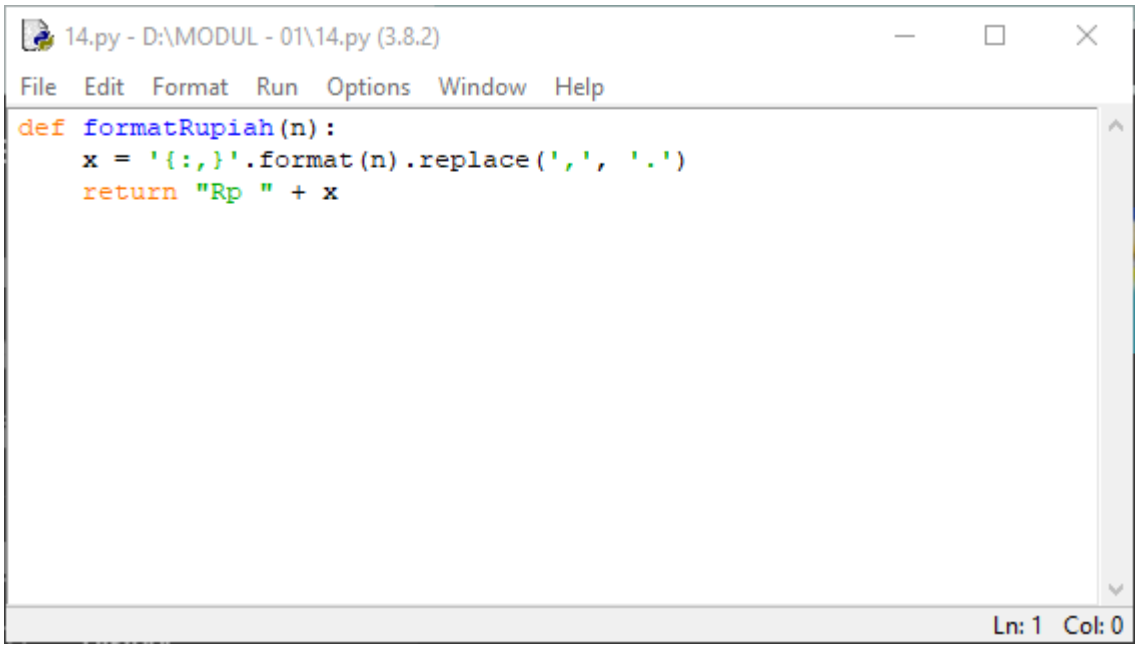
Python 3.8.2 Shell

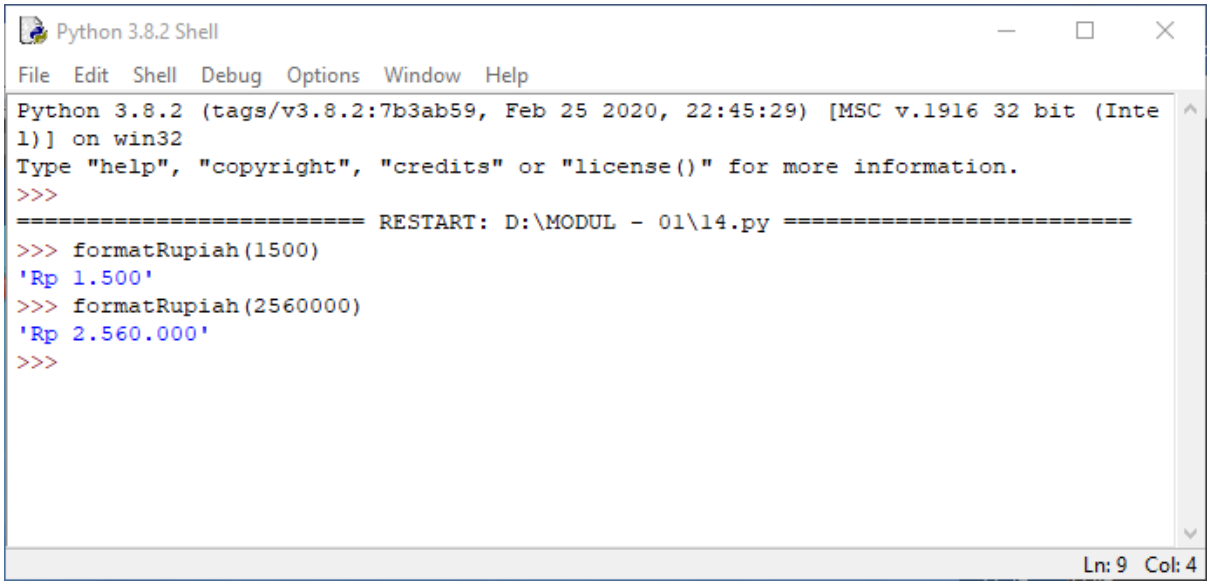
File Edit Shell Debug Options Window Help

```
Python 3.8.2 (tags/v3.8.2:7b3ab59, Feb 25 2020, 22:45:29) [MSC v.1916 32
bit (Intel)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
========== RESTART: D:\MODUL - 01\13.py ==========
=======
>>> katakan(99987654)
'sembilan puluh sembilan juta sembilan ratus delapan puluh tujuh ribu ena
m ratus lima puluh empat'
>>>
```

Ln: 7 Col: 4

14. Fungsi


14.py - D:\MODUL - 01\14.py (3.8.2)
File Edit Format Run Options Window Help
def formatRupiah(n):
x = '{:,}'.format(n).replace(',', '.')
return "Rp " + x
Ln: 1 Col: 0


Python 3.8.2 Shell
File Edit Shell Debug Options Window Help
Python 3.8.2 (tags/v3.8.2:7b3ab59, Feb 25 2020, 22:45:29) [MSC v.1916 32 bit (Intel)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
========== RESTART: D:\MODUL - 01\14.py ==========
>>> formatRupiah(1500)
'Rp 1.500'
>>> formatRupiah(2560000)
'Rp 2.560.000'
>>>
Ln: 9 Col: 4