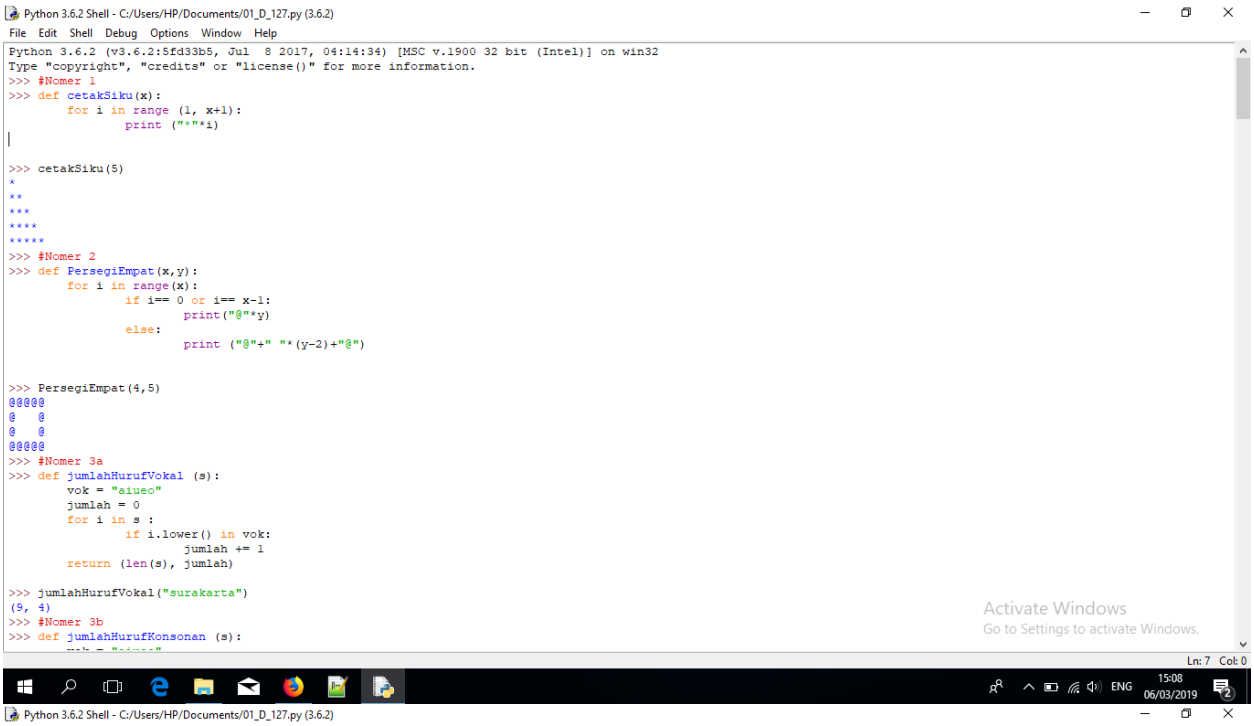
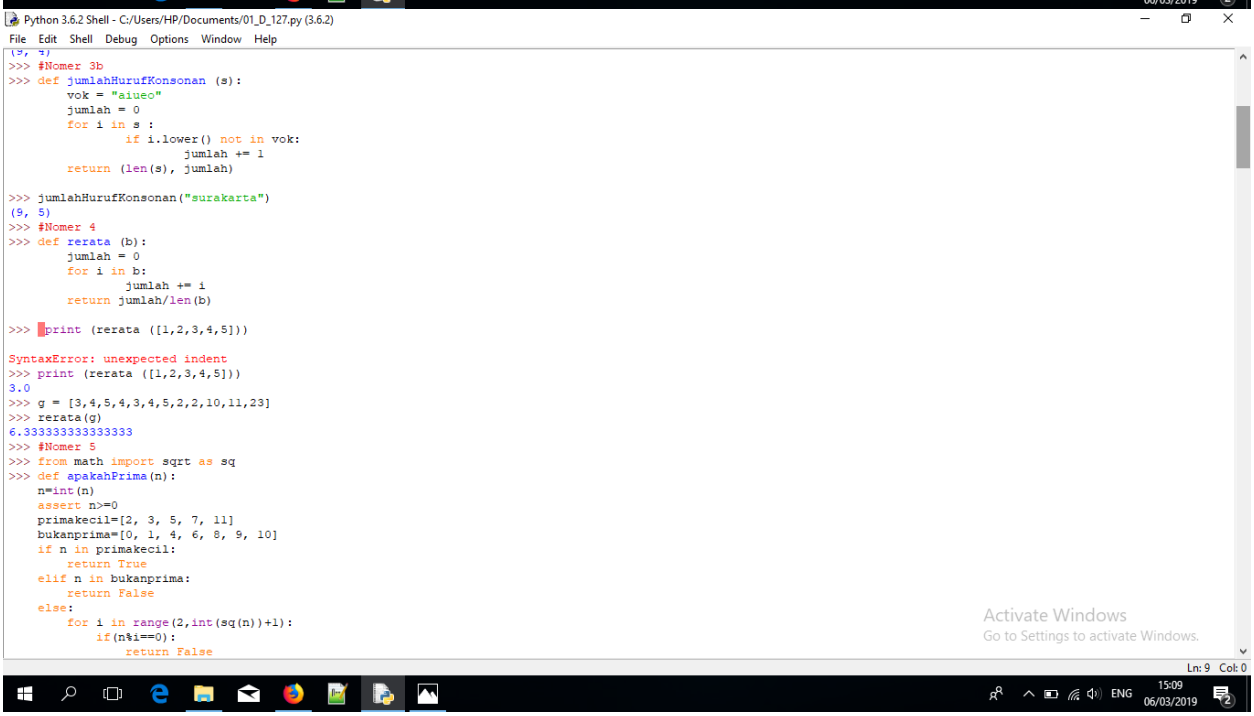
NAMA : AGATHA FEBIANANDA P

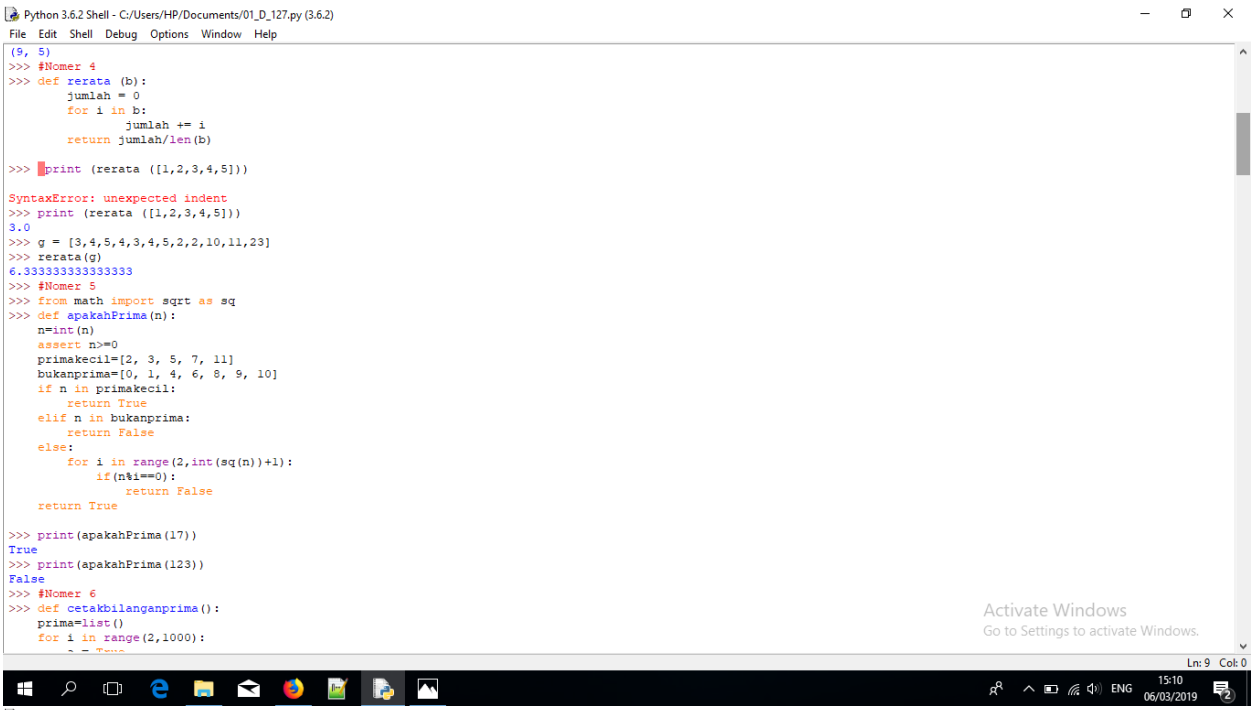
NIM : L200170127

KELAS : D

MODUL : 01






Python 3.6.2 Shell - C:/Users/HP/Documents/01_D_127.py (3.6.2)
File Edit Shell Debug Options Window Help
(9, 5)
>>> #Nomer 4
>>> def rerata (b):
jumlah = 0
for i in b:
jumlah += i
return jumlah/len(b)
>>> print (rerata ([1,2,3,4,5]))
SyntaxError: unexpected indent
>>> print (rerata ([1,2,3,4,5]))
3.0
>>> g = [3,4,5,4,3,4,5,2,2,10,11,23]
>>> rerata(g)
6.333333333333333
>>> #Nomer 5
>>> 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(17))
True
>>> print(apakahPrima(123))
False
>>> #Nomer 6
>>> def cetakbilanganprima():
prima=list()
for i in range(2,1000):
Activate Windows
Go to Settings to activate Windows.
Ln: 9 Col: 0
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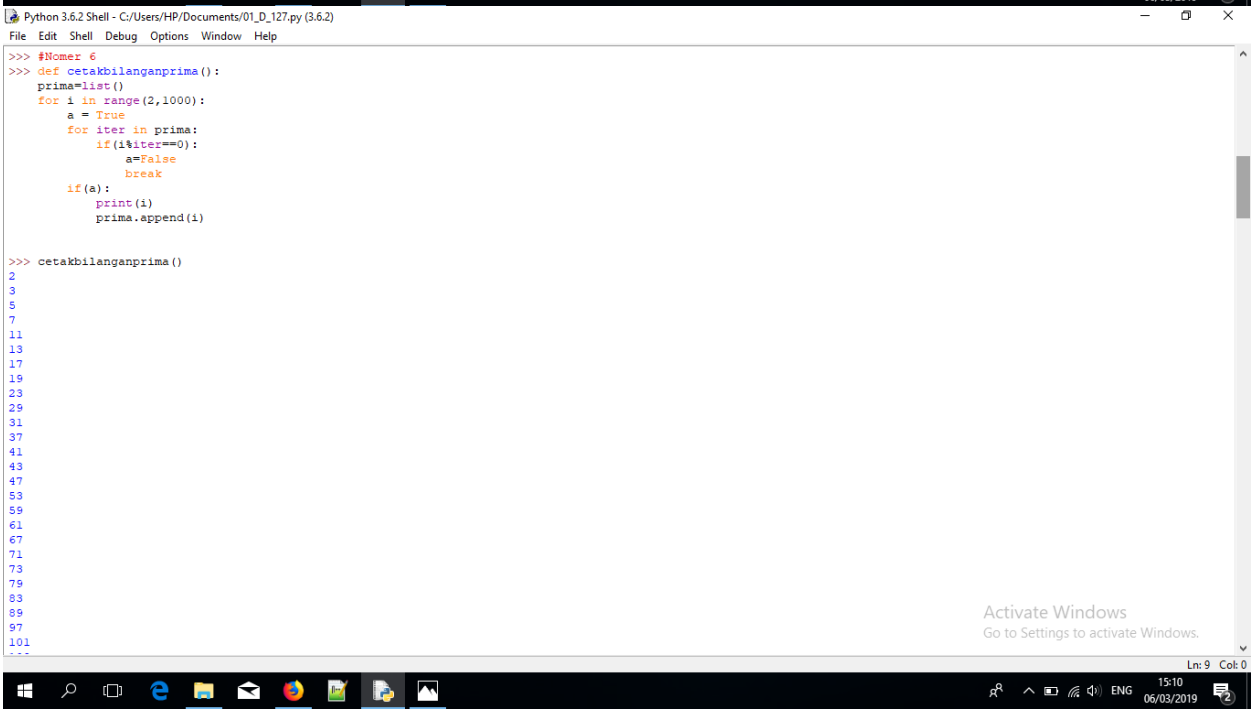
06/03/2019


Python 3.6.2 Shell - C:/Users/HP/Documents/01_D_127.py (3.6.2)
File Edit Shell Debug Options Window Help
>>> #Nomer 6
>>> def cetakbilanganprima():
prima=list()
for i in range(2,1000):
a = True
for iter in prima:
if(i%iter==0):
a=False
break
if(a):
print(i)
prima.append(i)
>>> cetakbilanganprima()
2
3
5
7
11
13
17
19
23
29
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37
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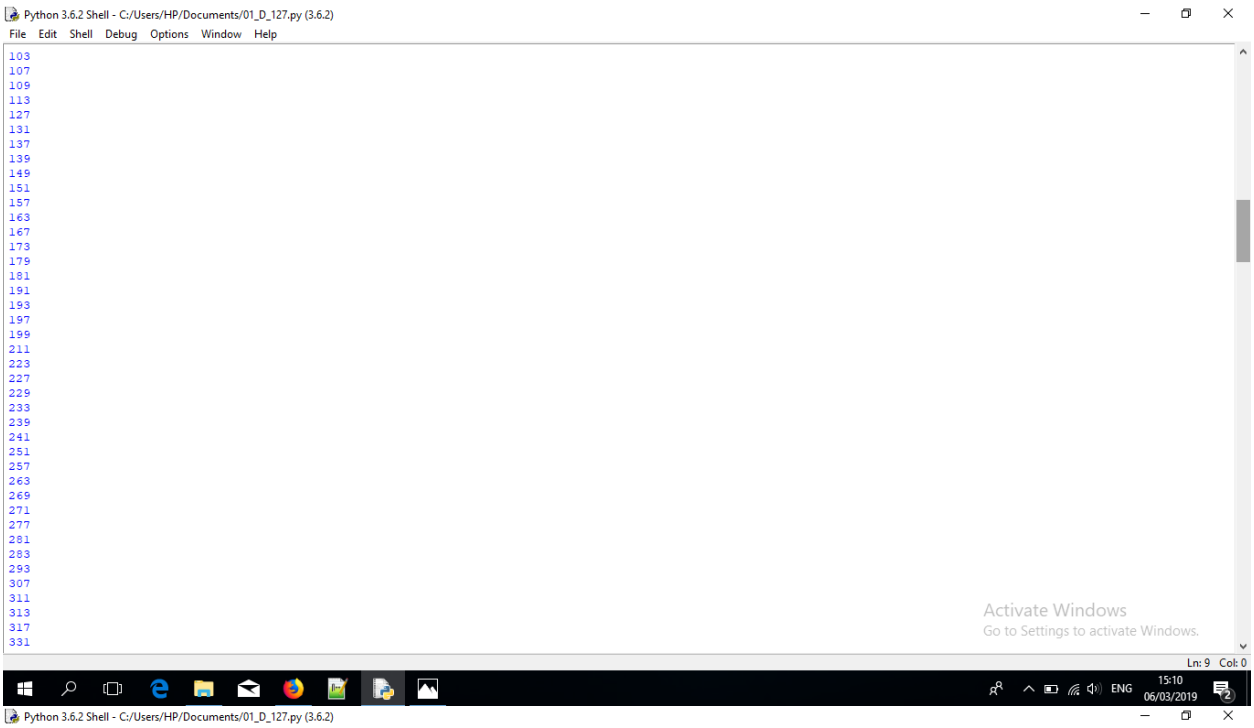
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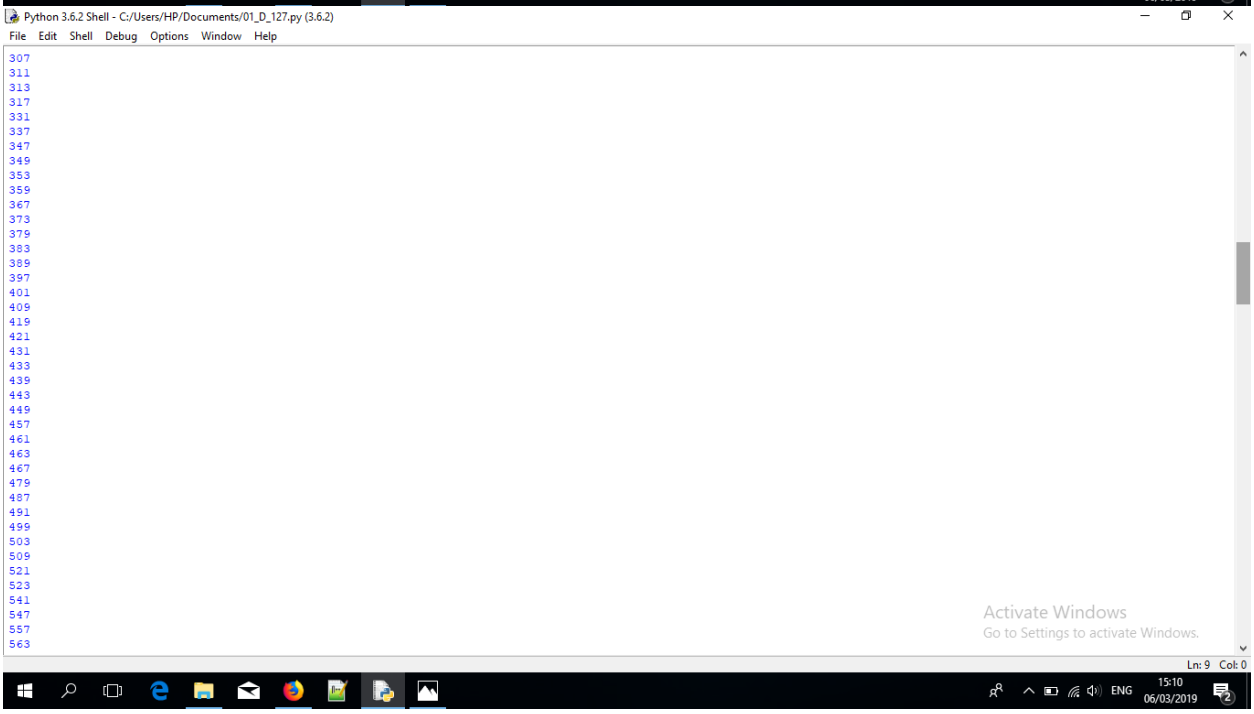
Python 3.6.2 Shell - C:/Users/HP/Documents/01_D_127.py (3.6.2)
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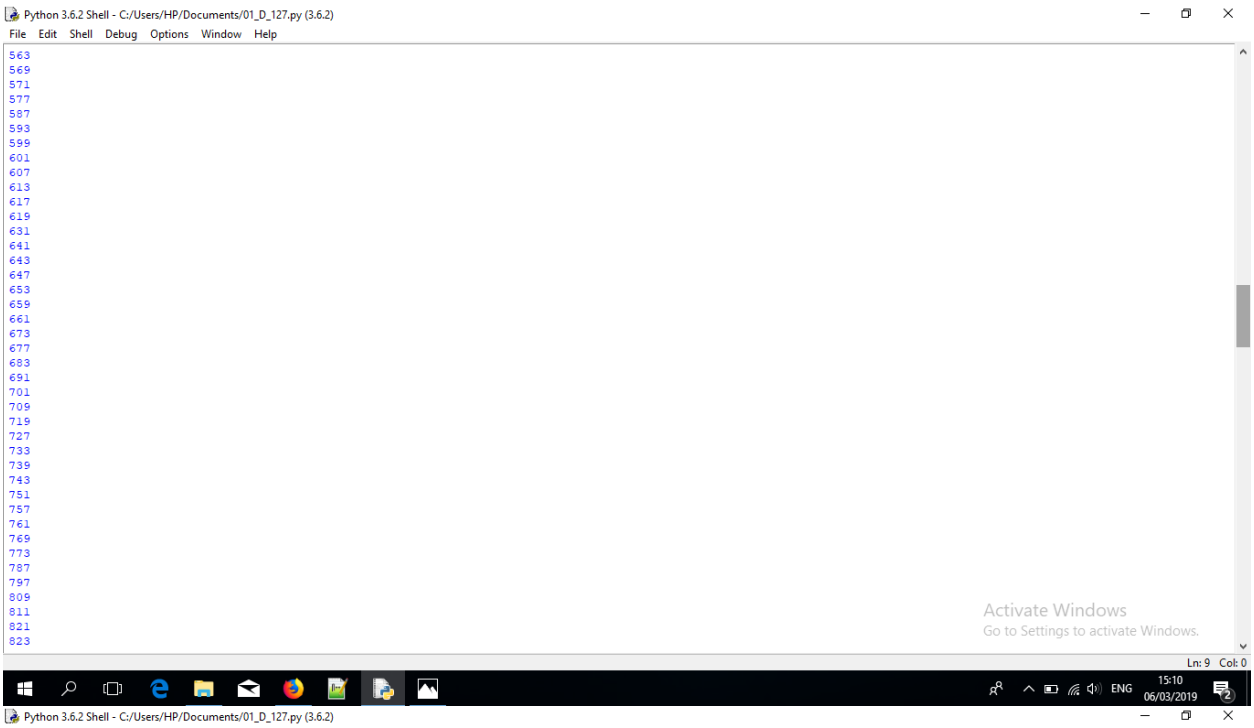
Python 3.6.2 Shell - C:/Users/HP/Documents/01_D_127.py (3.6.2)
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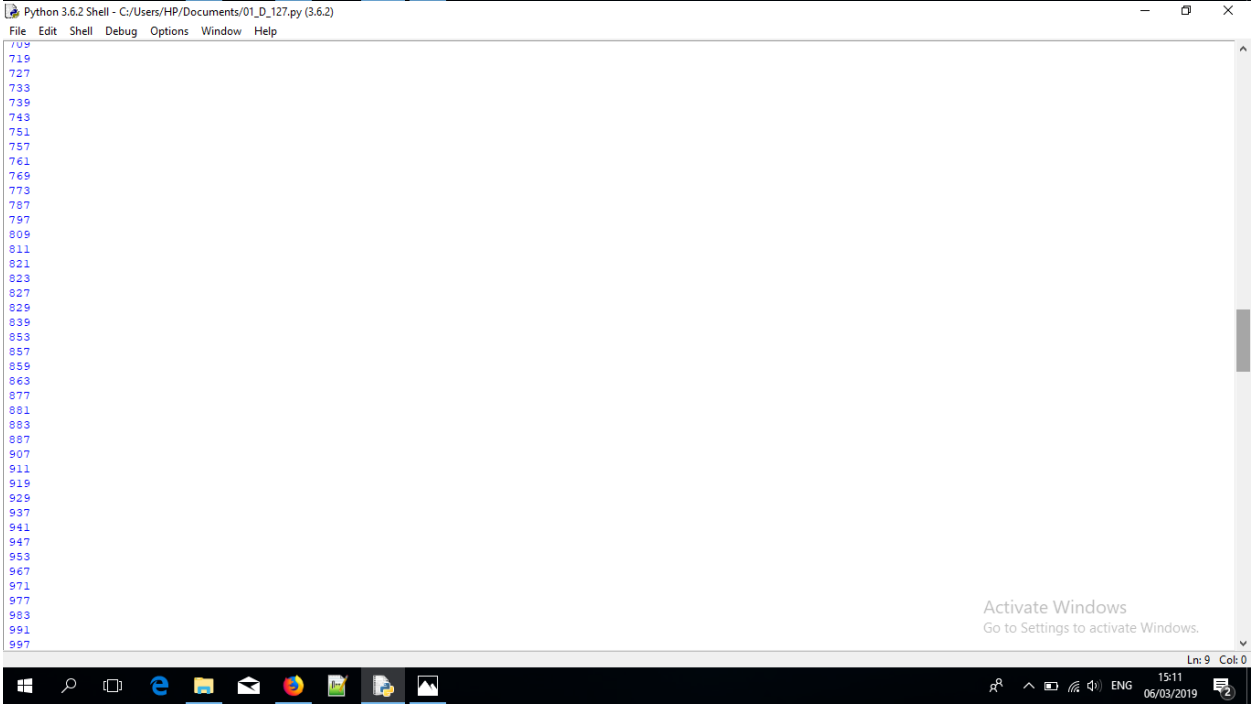
Python 3.6.2 Shell - C:/Users/HP/Documents/01_D_127.py (3.6.2)
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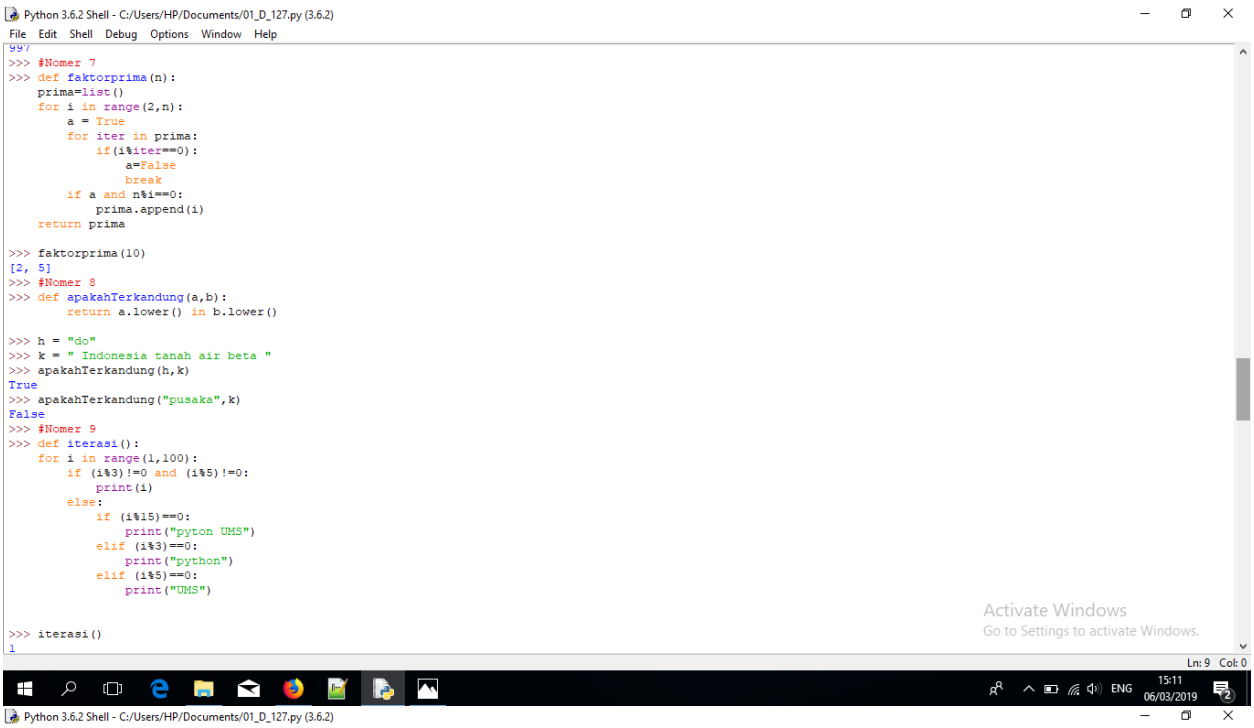
Python 3.6.2 Shell - C:/Users/HP/Documents/01_D_127.py (3.6.2)
File Edit Shell Debug Options Window Help
997
>>> #Nomer 7
>>> def faktorprima(n):
prima=list()
for i in range(2,n):
a = True
for iter in prima:
if(i%iter==0):
a=False
break
if a and n%i==0:
prima.append(i)
return prima
>>> faktorprima(10)
[2, 5]
>>> #Nomer 8
>>> def apakahTerkandung(a,b):
return a.lower() in b.lower()
>>> h = "do"
>>> k = " Indonesia tanah air beta "
>>> apakahTerkandung(h,k)
True
>>> apakahTerkandung("pusaka",k)
False
>>> #Nomer 9
>>> 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()
1
Activate Windows
Go to Settings to activate Windows.
Ln: 9 Col: 0
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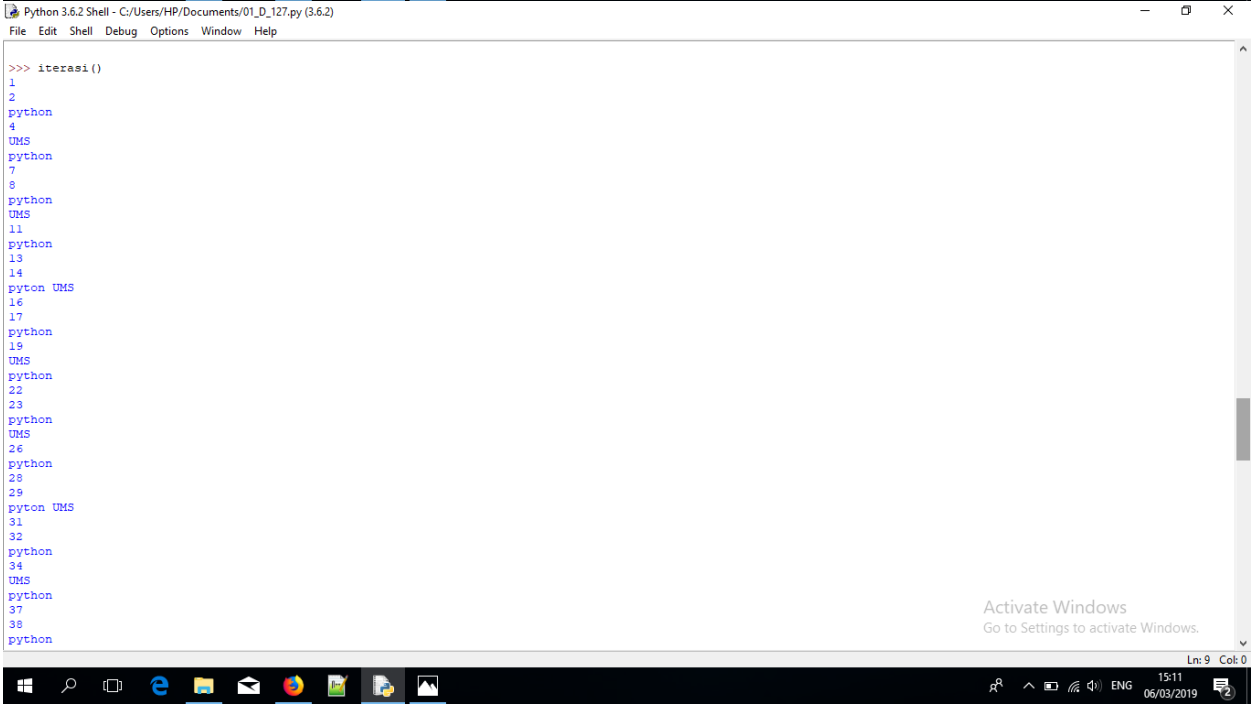
Python 3.6.2 Shell - C:/Users/HP/Documents/01_D_127.py (3.6.2)
File Edit Shell Debug Options Window Help
>>> iterasi()
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Activate Windows
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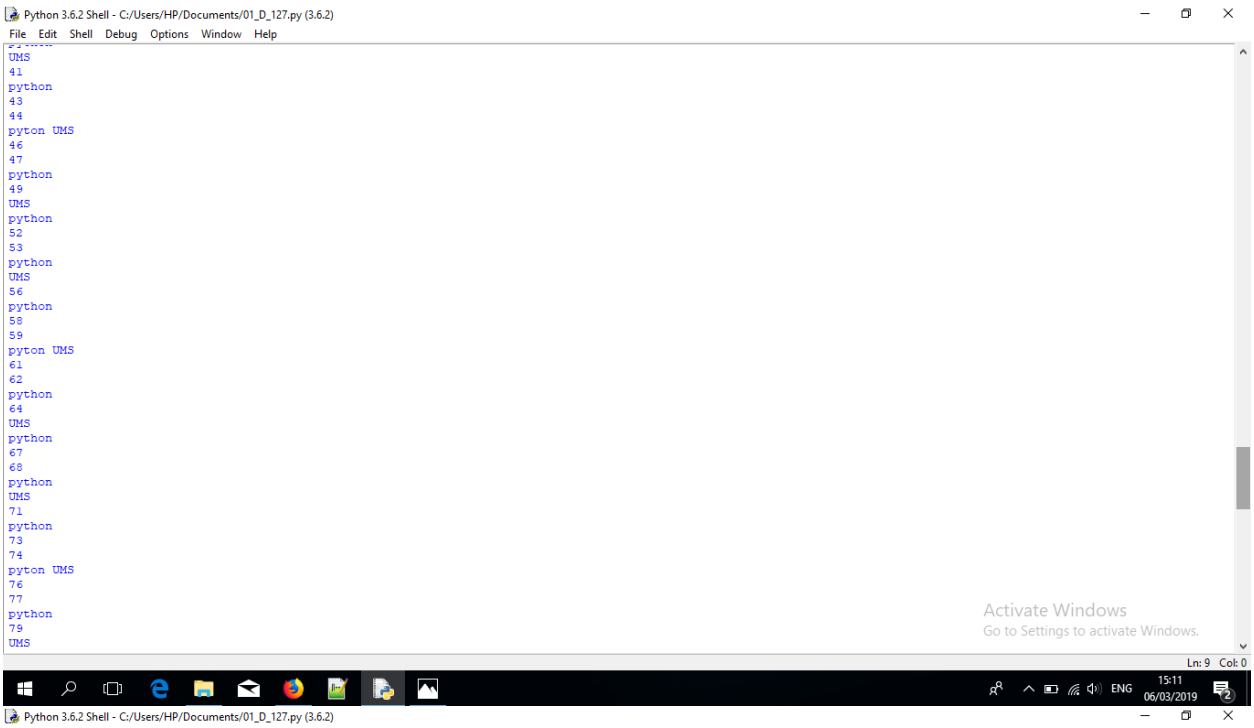
Python 3.6.2 Shell - C:/Users/HP/Documents/01_D_127.py (3.6.2)
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Activate Windows
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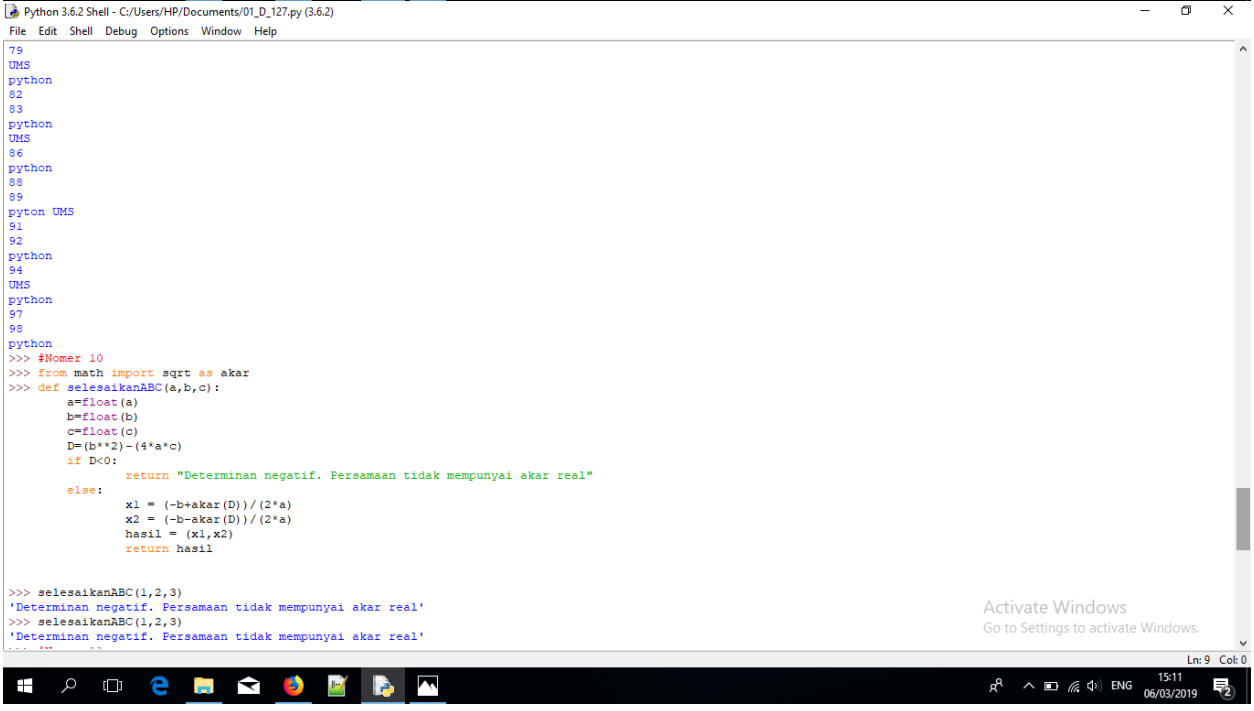
Python 3.6.2 Shell - C:/Users/HP/Documents/01_D_127.py (3.6.2)
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python
>>> #Nomer 10
>>> from math import sqrt as akar
>>> def selesaikanABC(a,b,c):
a=float(a)
b=float(b)
c=float(c)
D=(b**2)-(4*a*c)
if D<0:
return "Determinan negatif. Persamaan tidak mempunyai akar real"
else:
x1 = (-b+akar(D))/(2*a)
x2 = (-b-akar(D))/(2*a)
hasil = (x1,x2)
return hasil
>>> selesaikanABC(1,2,3)
'Determinan negatif. Persamaan tidak mempunyai akar real'
>>> selesaikanABC(1,2,3)
'Determinan negatif. Persamaan tidak mempunyai akar real'
Activate Windows
Go to Settings to activate Windows.
Ln: 9 Col: 0
ENG
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Python 3.6.2 Shell - C:/Users/HP/Documents/01_D_127.py (3.6.2)

File Edit Shell Debug Options Window Help

```
97
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python
>>> #Nomer 10
>>> 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:
                return "Determinan negatif. Persamaan tidak mempunyai akar real"
        else:
                x1 = (-b+akar(D))/(2*a)
                x2 = (-b-akar(D))/(2*a)
                hasil = (x1,x2)
                return hasil


>>> selesaikanABC(1,2,3)
'Determinan negatif. Persamaan tidak mempunyai akar real'
>>> selesaikanABC(1,2,3)
'Determinan negatif. Persamaan tidak mempunyai akar real'
>>> #Nomer 11
>>> def apakahKabisat(a):
        if(a%400==0):
                return True
        if(a%100==0):
                return False
        if(a%4==0):
                return True
        return False

>>> apakahKabisat(2000)
True
>>> apakahKabisat(1900)
False
>>> #Nomer 12
>>> import random
>>> def permainan():
        a=random.randrange(0, 100)
```


Ln: 9 Col: 0

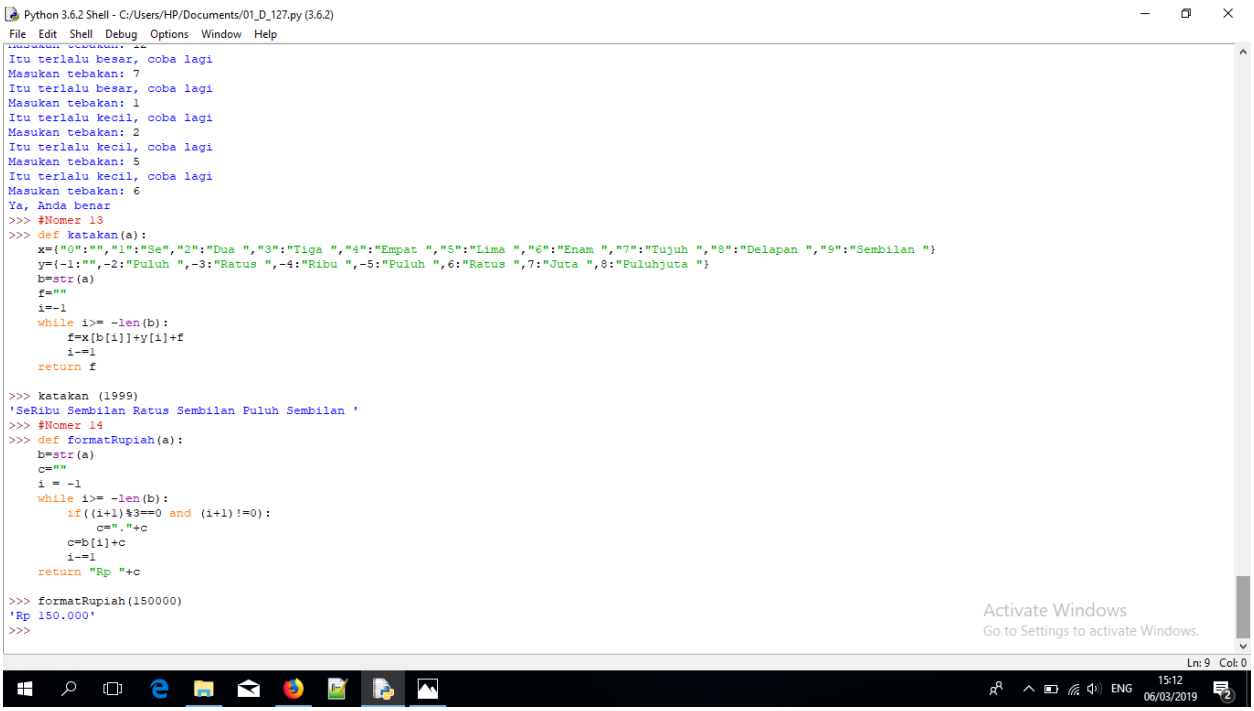
Python 3.6.2 Shell - C:/Users/HP/Documents/01_D_127.py (3.6.2)

File Edit Shell Debug Options Window Help

```
>>> apakahKabisat(2000)
True
>>> apakahKabisat(1900)
False
>>> #Nomer 12
>>> import random
>>> def permainan():
        a=random.randrange(0, 100)
        while(True):
                b=int(input("Masukan tebakan: "))
                if(b>a):
                        print("Itu terlalu besar, coba lagi")
                elif(b<a):
                        print("Itu terlalu kecil, coba lagi")
                else:
                        print("Ya, Anda benar")
                        break


>>> permainan()
Masukan tebakan: 56
Itu terlalu besar, coba lagi
Masukan tebakan: 30
Itu terlalu besar, coba lagi
Masukan tebakan: 12
Itu terlalu besar, coba lagi
Masukan tebakan: 7
Itu terlalu besar, coba lagi
Masukan tebakan: 1
Itu terlalu kecil, coba lagi
Masukan tebakan: 2
Itu terlalu kecil, coba lagi
Masukan tebakan: 5
Itu terlalu kecil, coba lagi
Masukan tebakan: 6
Ya, Anda benar
>>> #Nomer 13
>>> 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 "}
```


Ln: 9 Col: 0


Python 3.6.2 Shell - C:/Users/HP/Documents/01_D_127.py (3.6.2)
File Edit Shell Debug Options Window Help
Itu terlalu besar, coba lagi
Masukan tebakan: 7
Itu terlalu besar, coba lagi
Masukan tebakan: 1
Itu terlalu kecil, coba lagi
Masukan tebakan: 2
Itu terlalu kecil, coba lagi
Masukan tebakan: 5
Itu terlalu kecil, coba lagi
Masukan tebakan: 6
Ya, Anda benar
>>> #Nomer 13
>>> 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)
f=""
i=-1
while i>= -len(b):
f=x[b[i]]+y[i]+f
i-=1
return f
>>> katakan (1999)
'SeRibu Sembilan Ratus Sembilan Puluh Sembilan '
>>> #Nomer 14
>>> 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
>>> formatRupiah(150000)
'Rp 150.000'
>>>
Activate Windows
Go to Settings to activate Windows.
Ln: 9 Col: 0
ENG
15:12
06/03/2019