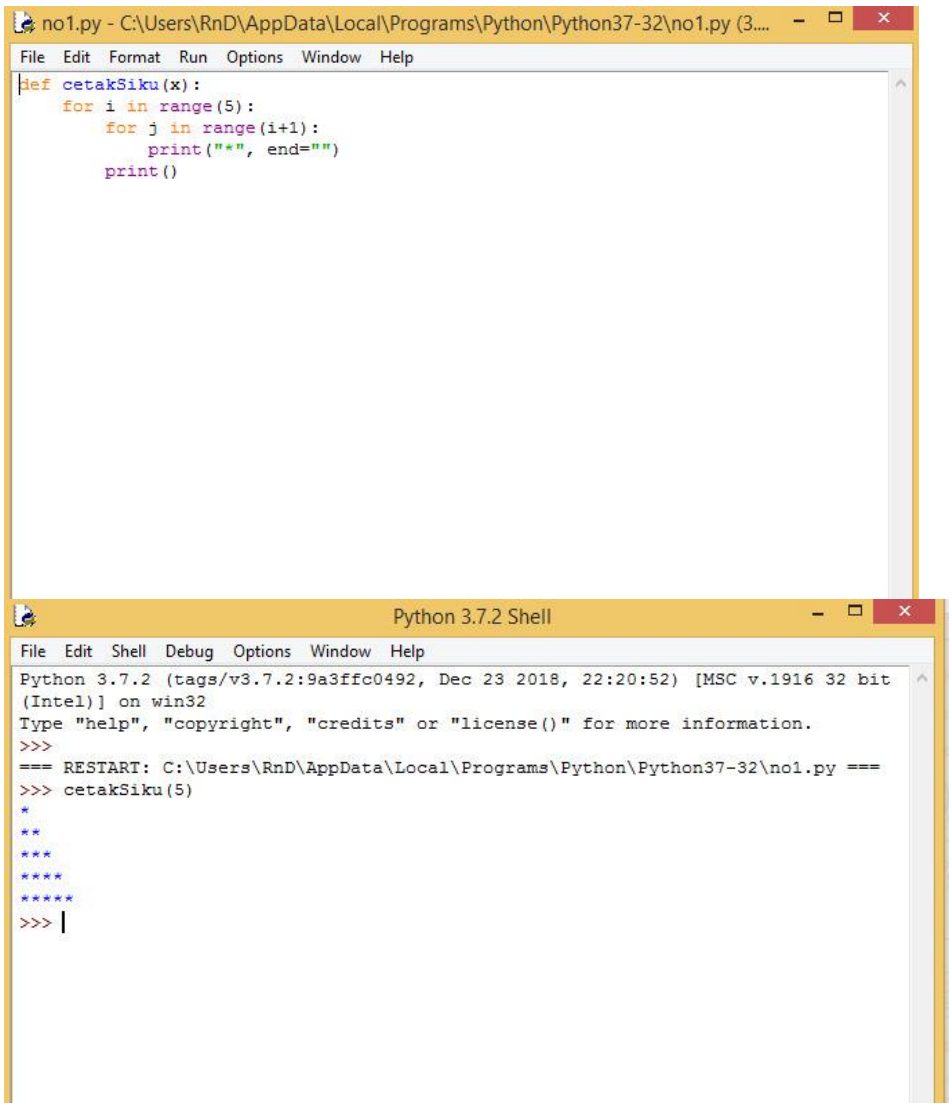
NAMA **= CORRY LUQMA ZUNIRA**

KELAS **= D**

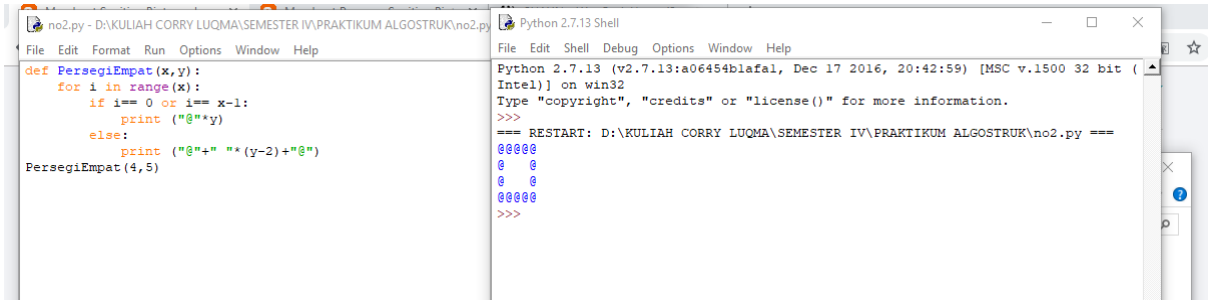
NIM **= L200170152**

MODUL **= 1**

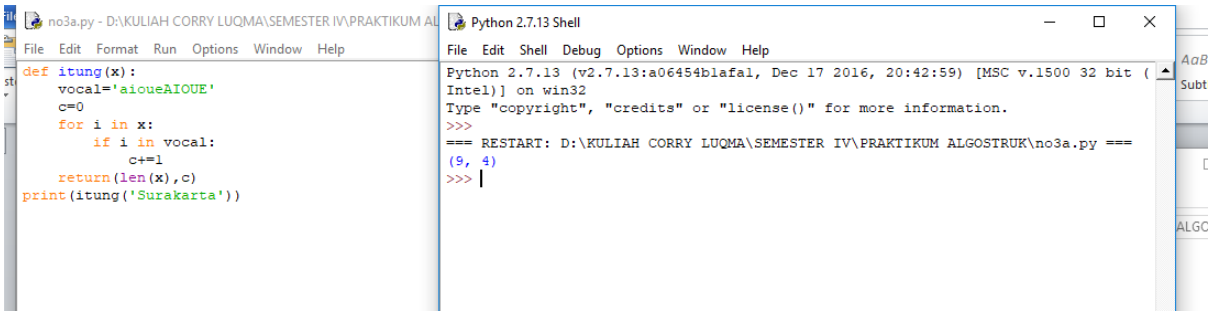
1.



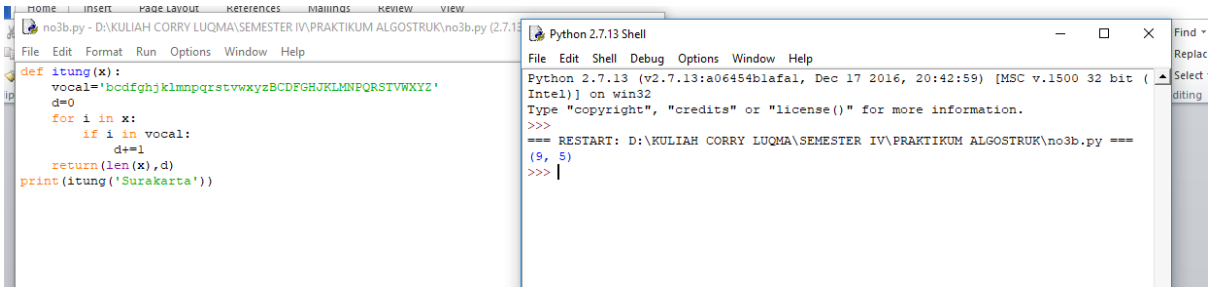
2.


no2.py - D:\KULIAH CORRY LUQMA\SEMESTER IV\PRAKTIKUM ALGOSTRUK\no2.py
File Edit Format Run Options Window Help
def PersegiEmpat(x,y):
for i in range(x):
if i== 0 or i== x-1:
print ("@"*y)
else:
print ("@"+" "*(y-2)+"@")
PersegiEmpat(4,5)
Python 2.7.13 Shell
File Edit Shell Debug Options Window Help
Python 2.7.13 (v2.7.13:a06454blafal, Dec 17 2016, 20:42:59) [MSC v.1500 32 bit (
Intel)] on win32
Type "copyright", "credits" or "license()" for more information.
>>>
=== RESTART: D:\KULIAH CORRY LUQMA\SEMESTER IV\PRAKTIKUM ALGOSTRUK\no2.py ===
@@@@@
@ @
@ @
@@@@@
>>>

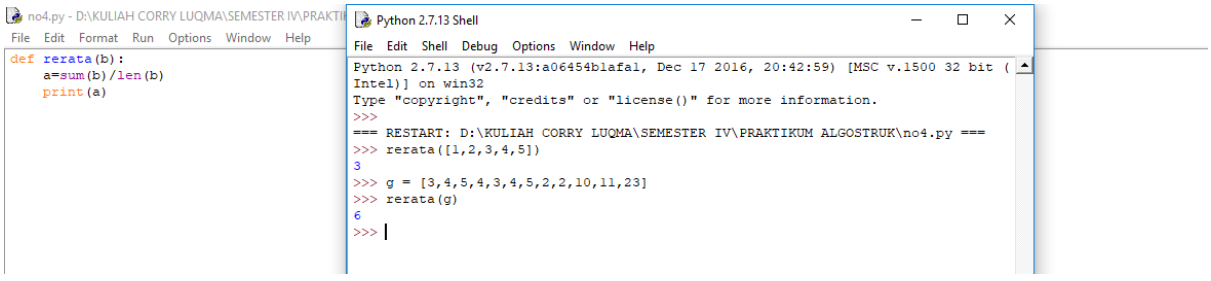
3. a)


no3a.py - D:\KULIAH CORRY LUQMA\SEMESTER IV\PRAKTIKUM AL
File Edit Format Run Options Window Help
def itung(x):
vocal='aioueAIOUE'
c=0
for i in x:
if i in vocal:
c+=1
return(len(x),c)
print(itung('Surakarta'))
Python 2.7.13 Shell
File Edit Shell Debug Options Window Help
Python 2.7.13 (v2.7.13:a06454blafal, Dec 17 2016, 20:42:59) [MSC v.1500 32 bit (
Intel)] on win32
Type "copyright", "credits" or "license()" for more information.
>>>
=== RESTART: D:\KULIAH CORRY LUQMA\SEMESTER IV\PRAKTIKUM ALGOSTRUK\no3a.py ===
(9, 4)
>>>

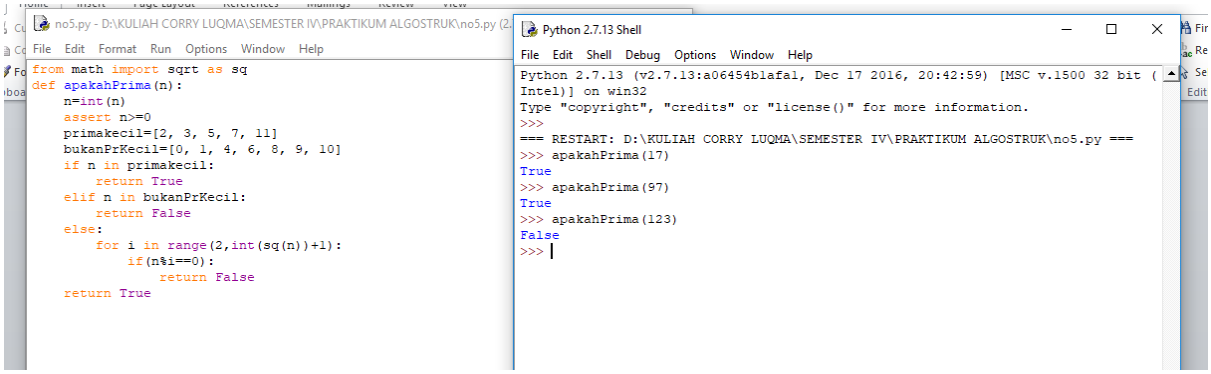
3. b)


no3b.py - D:\KULIAH CORRY LUQMA\SEMESTER IV\PRAKTIKUM ALGOSTRUK\no3b.py
File Edit Format Run Options Window Help
def itung(x):
vocal='bcdfghjklmnpqrstvwxyzBCDFGHJKLMNPQRSTVWXYZ'
d=0
for i in x:
if i in vocal:
d+=1
return(len(x),d)
print(itung('Surakarta'))
Python 2.7.13 Shell
File Edit Shell Debug Options Window Help
Python 2.7.13 (v2.7.13:a06454blafal, Dec 17 2016, 20:42:59) [MSC v.1500 32 bit (
Intel)] on win32
Type "copyright", "credits" or "license()" for more information.
>>>
=== RESTART: D:\KULIAH CORRY LUQMA\SEMESTER IV\PRAKTIKUM ALGOSTRUK\no3b.py ===
(9, 5)
>>>

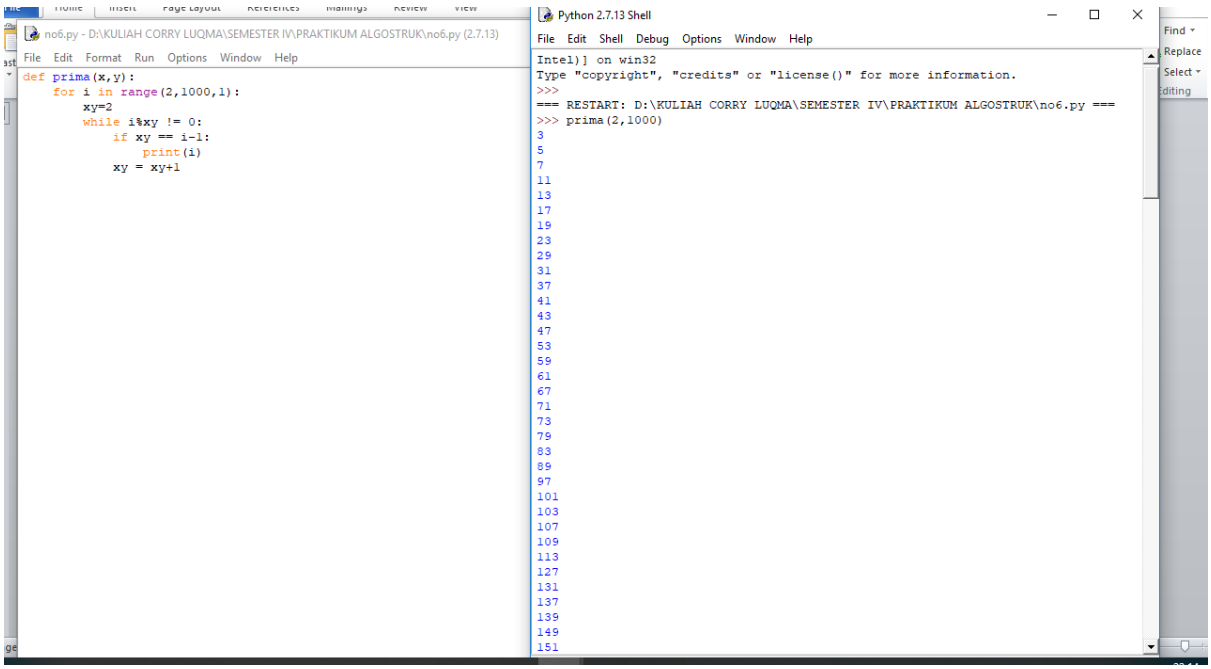
4.


no4.py - D:\KULIAH CORRY LUQMA\SEMESTER IV\PRAKTI
File Edit Format Run Options Window Help
def rerata(b):
a=sum(b)/len(b)
print(a)
Python 2.7.13 Shell
File Edit Shell Debug Options Window Help
Python 2.7.13 (v2.7.13:a06454blafal, Dec 17 2016, 20:42:59) [MSC v.1500 32 bit (
Intel)] on win32
Type "copyright", "credits" or "license()" for more information.
>>>
=== RESTART: D:\KULIAH CORRY LUQMA\SEMESTER IV\PRAKTIKUM ALGOSTRUK\no4.py ===
>>> rerata([1,2,3,4,5])
3
>>> g = [3,4,5,4,3,4,5,2,2,10,11,23]
>>> rerata(g)
6
>>>

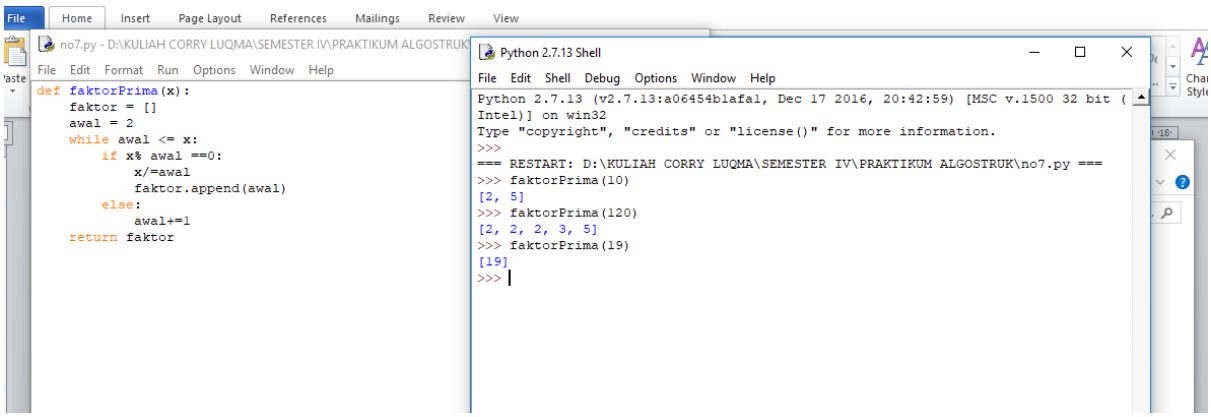
5.


no5.py - D:\KULIAH CORRY LUQMA\SEMESTER IV\PRAKTIKUM ALGOSTRUK\no5.py (2.
File Edit Format Run 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(n%i==0):
return False
return True
Python 2.7.13 Shell
File Edit Shell Debug Options Window Help
Python 2.7.13 (v2.7.13:a06454blafal, Dec 17 2016, 20:42:59) [MSC v.1500 32 bit (
Intel)] on win32
Type "copyright", "credits" or "license()" for more information.
>>>
=== RESTART: D:\KULIAH CORRY LUQMA\SEMESTER IV\PRAKTIKUM ALGOSTRUK\no5.py ===
>>> apakahPrima(17)
True
>>> apakahPrima(97)
True
>>> apakahPrima(123)
False
>>>

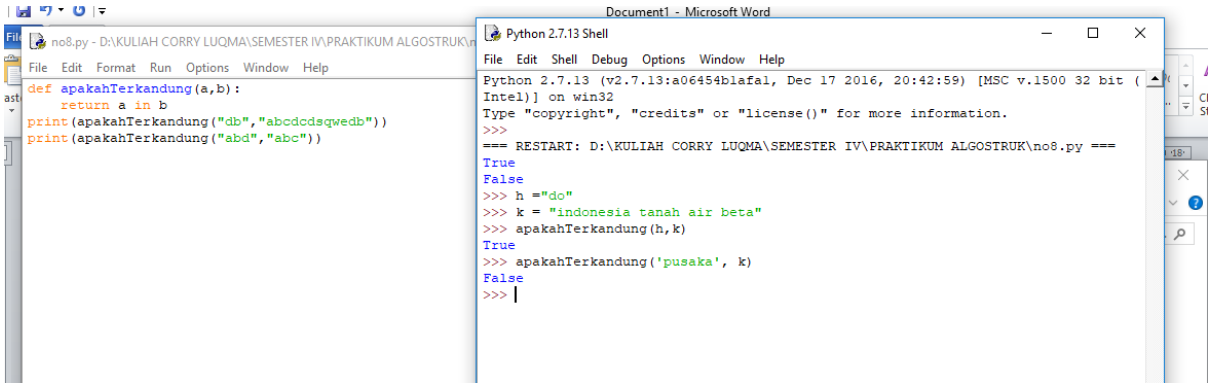
6.


no6.py - D:\KULIAH CORRY LUQMA\SEMESTER IV\PRAKTIKUM ALGOSTRUK\no6.py (2.7.13)
File Edit Format Run Options Window Help
def prima(x,y):
for i in range(2,1000,1):
xy=2
while i%xy != 0:
if xy == i-1:
print(i)
xy = xy+1
Python 2.7.13 Shell
File Edit Shell Debug Options Window Help
Intel)] on win32
Type "copyright", "credits" or "license()" for more information.
>>>
=== RESTART: D:\KULIAH CORRY LUQMA\SEMESTER IV\PRAKTIKUM ALGOSTRUK\no6.py ===
>>> prima(2,1000)
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
149
151

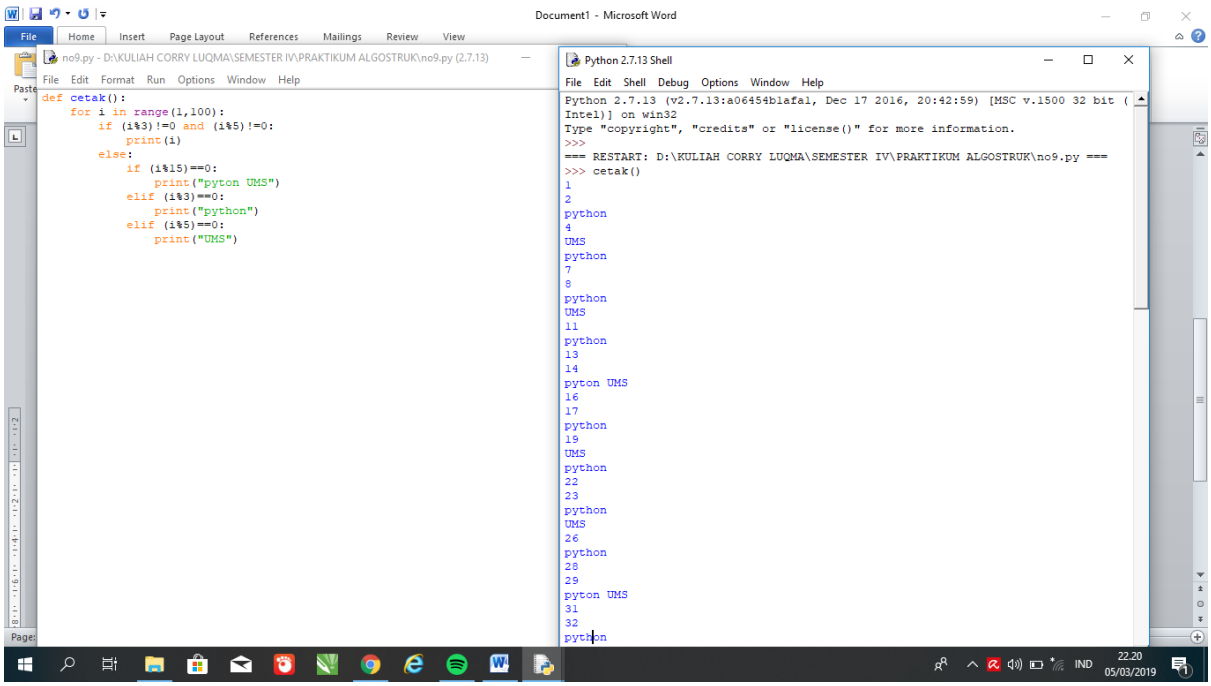
7.


File Home Insert Page Layout References Mailings Review View
no7.py - D:\KULIAH CORRY LUQMA\SEMESTER IV\PRAKTIKUM ALGOSTRUK
File Edit Format Run Options Window Help
def faktorPrima(x):
faktor = []
awal = 2
while awal <= x:
if x% awal ==0:
x/=awal
faktor.append(awal)
else:
awal+=1
return faktor
Python 2.7.13 Shell
File Edit Shell Debug Options Window Help
Python 2.7.13 (v2.7.13:a06454blafal, Dec 17 2016, 20:42:59) [MSC v.1500 32 bit (
Intel)] on win32
Type "copyright", "credits" or "license()" for more information.
>>>
=== RESTART: D:\KULIAH CORRY LUQMA\SEMESTER IV\PRAKTIKUM ALGOSTRUK\no7.py ===
>>> faktorPrima(10)
[2, 5]
>>> faktorPrima(120)
[2, 2, 2, 3, 5]
>>> faktorPrima(19)
[19]
>>>

8.


Document1 - Microsoft Word
no8.py - D:\KULIAH CORRY LUQMA\SEMESTER IV\PRAKTIKUM ALGOSTRUK\n
File Edit Format Run Options Window Help
def apakahTerkandung(a,b):
return a in b
print(apakahTerkandung("db","abcdcdsqwedb"))
print(apakahTerkandung("abd","abc"))
Python 2.7.13 Shell
File Edit Shell Debug Options Window Help
Python 2.7.13 (v2.7.13:a06454blafa1, Dec 17 2016, 20:42:59) [MSC v.1500 32 bit (
Intel)] on win32
Type "copyright", "credits" or "license()" for more information.
>>>
=== RESTART: D:\KULIAH CORRY LUQMA\SEMESTER IV\PRAKTIKUM ALGOSTRUK\no8.py ===
True
False
>>> h ="do"
>>> k = "indonesia tanah air beta"
>>> apakahTerkandung(h,k)
True
>>> apakahTerkandung('pusaka', k)
False
>>>

9.


Document1 - Microsoft Word
File Home Insert Page Layout References Mailings Review View
no9.py - D:\KULIAH CORRY LUQMA\SEMESTER IV\PRAKTIKUM ALGOSTRUK\no9.py (2.7.13)
File Edit Format Run Options Window Help
def cetak():
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")
Python 2.7.13 Shell
File Edit Shell Debug Options Window Help
Python 2.7.13 (v2.7.13:a06454blafa1, Dec 17 2016, 20:42:59) [MSC v.1500 32 bit (
Intel)] on win32
Type "copyright", "credits" or "license()" for more information.
>>>
=== RESTART: D:\KULIAH CORRY LUQMA\SEMESTER IV\PRAKTIKUM ALGOSTRUK\no9.py ===
>>> cetak()
1
2
python
4
UMS
python
7
8
python
UMS
11
python
13
14
pyton UMS
16
17
python
19
UMS
python
22
23
python
UMS
26
python
28
29
pyton UMS
31
32
python
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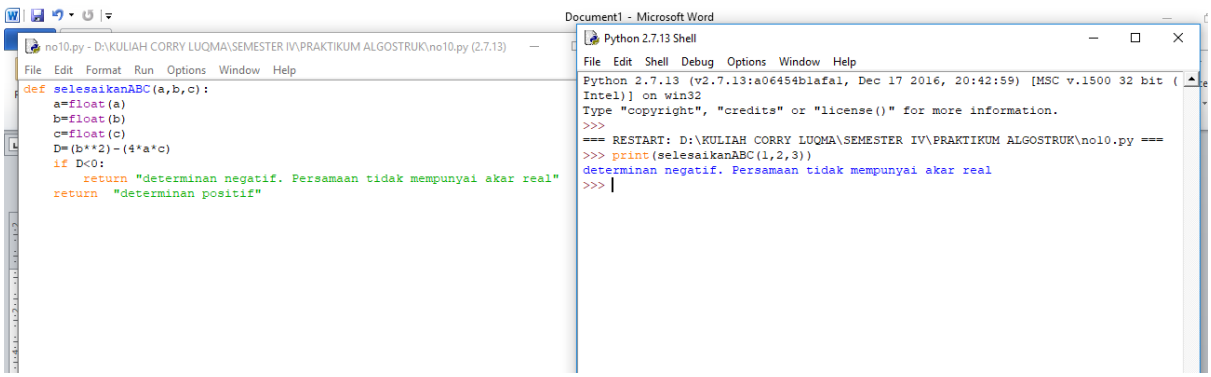
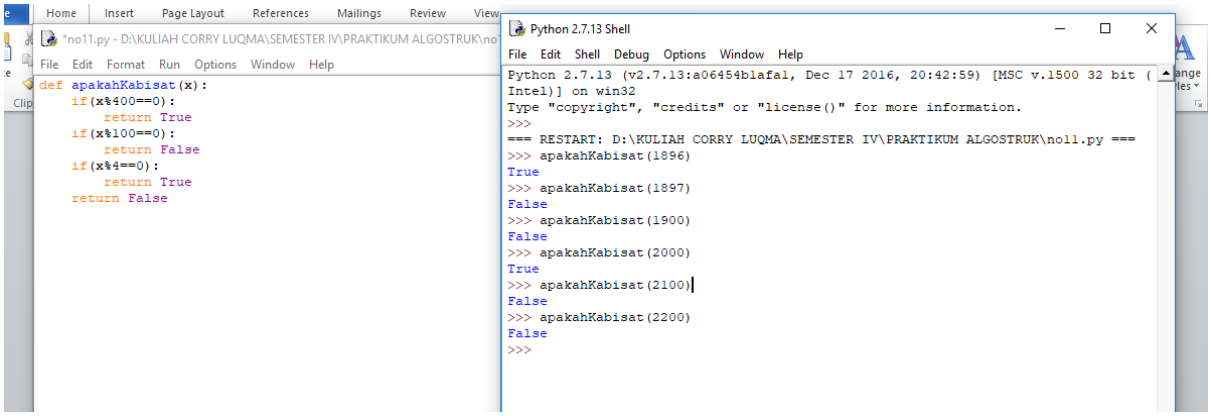
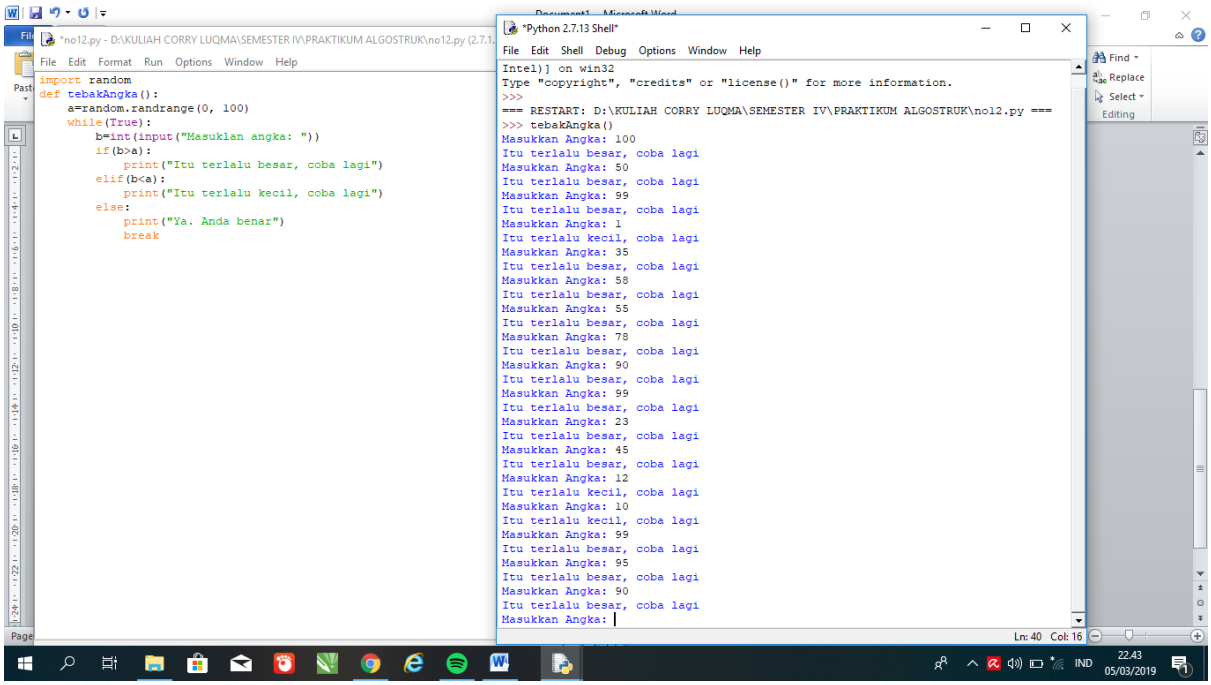
10.


Document1 - Microsoft Word
no10.py - D:\KULIAH CORRY LUQMA\SEMESTER IV\PRAKTIKUM ALGOSTRUK\no10.py (2.7.13)
File Edit Format Run Options Window Help
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"
return "determinan positif"
Python 2.7.13 Shell
File Edit Shell Debug Options Window Help
Python 2.7.13 (v2.7.13:a06454blafa1, Dec 17 2016, 20:42:59) [MSC v.1500 32 bit (
Intel)] on win32
Type "copyright", "credits" or "license()" for more information.
>>>
=== RESTART: D:\KULIAH CORRY LUQMA\SEMESTER IV\PRAKTIKUM ALGOSTRUK\no10.py ===
>>> print(selesaikanABC(1,2,3))
determinan negatif. Persamaan tidak mempunyai akar real
>>>

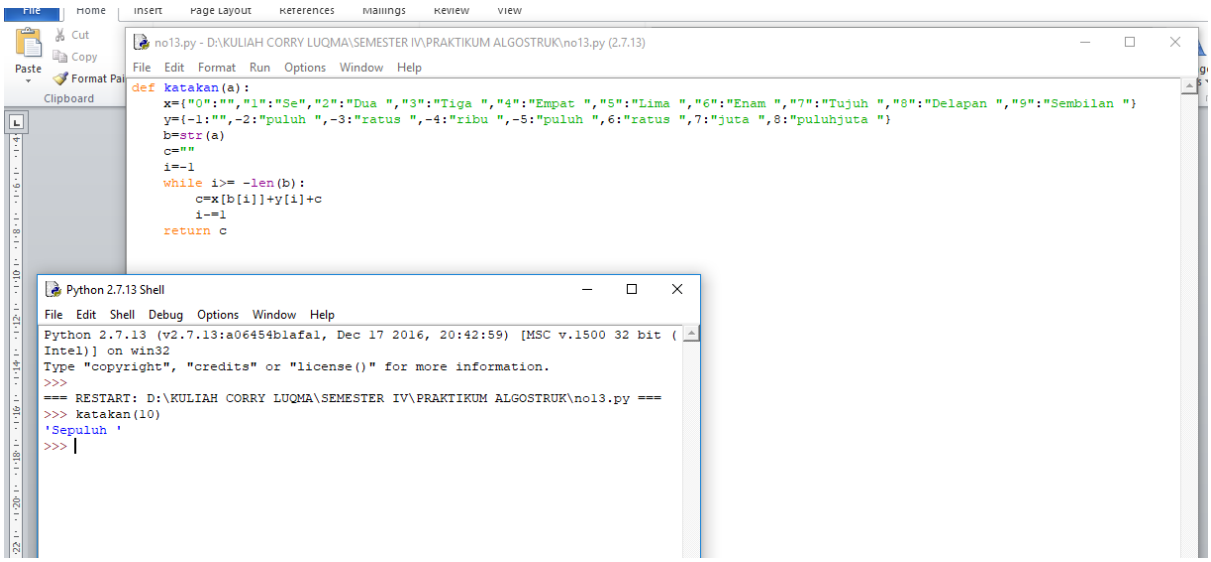
11.


*no11.py - D:\KULIAH CORRY LUQMA\SEMESTER IV\PRAKTIKUM ALGOSTRUK\no
File Edit Format Run Options Window Help
def apakahKabisat(x):
if(x%400==0):
return True
if(x%100==0):
return False
if(x%4==0):
return True
return False
Python 2.7.13 Shell
File Edit Shell Debug Options Window Help
Python 2.7.13 (v2.7.13:a06454b1afa1, Dec 17 2016, 20:42:59) [MSC v.1500 32 bit (
Intel)] on win32
Type "copyright", "credits" or "license()" for more information.
>>>
=== RESTART: D:\KULIAH CORRY LUQMA\SEMESTER IV\PRAKTIKUM ALGOSTRUK\no11.py ===
>>> apakahKabisat(1896)
True
>>> apakahKabisat(1897)
False
>>> apakahKabisat(1900)
False
>>> apakahKabisat(2000)
True
>>> apakahKabisat(2100)
False
>>> apakahKabisat(2200)
False
>>>

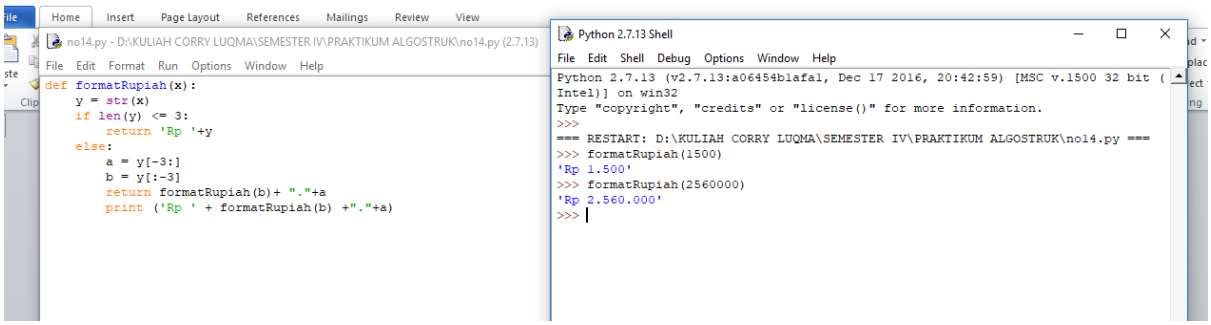
12.


*no12.py - D:\KULIAH CORRY LUQMA\SEMESTER IV\PRAKTIKUM ALGOSTRUK\no12.py (2.7.1
File Edit Format Run Options Window Help
import random
def tebakAngka():
a=random.randrange(0, 100)
while(True):
b=int(input("Masuklan angka: "))
if(b>a):
print("Itu terlalu besar, coba lagi")
elif(b<a):
print("Itu terlalu kecil, coba lagi")
else:
print("Ya. Anda benar")
break
Python 2.7.13 Shell
File Edit Shell Debug Options Window Help
Intel)] on win32
Type "copyright", "credits" or "license()" for more information.
>>>
=== RESTART: D:\KULIAH CORRY LUQMA\SEMESTER IV\PRAKTIKUM ALGOSTRUK\no12.py ===
>>> tebakAngka()
Masukkan Angka: 100
Itu terlalu besar, coba lagi
Masukkan Angka: 50
Itu terlalu besar, coba lagi
Masukkan Angka: 99
Itu terlalu besar, coba lagi
Masukkan Angka: 1
Itu terlalu kecil, coba lagi
Masukkan Angka: 35
Itu terlalu besar, coba lagi
Masukkan Angka: 58
Itu terlalu besar, coba lagi
Masukkan Angka: 55
Itu terlalu besar, coba lagi
Masukkan Angka: 78
Itu terlalu besar, coba lagi
Masukkan Angka: 90
Itu terlalu besar, coba lagi
Masukkan Angka: 99
Itu terlalu besar, coba lagi
Masukkan Angka: 23
Itu terlalu besar, coba lagi
Masukkan Angka: 45
Itu terlalu besar, coba lagi
Masukkan Angka: 12
Itu terlalu kecil, coba lagi
Masukkan Angka: 10
Itu terlalu kecil, coba lagi
Masukkan Angka: 99
Itu terlalu besar, coba lagi
Masukkan Angka: 95
Itu terlalu besar, coba lagi
Masukkan Angka: 90
Itu terlalu besar, coba lagi
Masukkan Angka:
Ln: 40 Col: 16
Find
Replace
Select
Editing
IND
22.43
05/03/2019

13.


no13.py - D:\KULIAH CORRY LUQMA\SEMESTER IV\PRAKTIKUM ALGOSTRUK\no13.py (2.7.13)
File Edit Format Run 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)
c=""
i=-1
while i>= -len(b):
c=x[b[i]]+y[i]+c
i-=1
return c
Python 2.7.13 Shell
File Edit Shell Debug Options Window Help
Python 2.7.13 (v2.7.13:a06454blafal, Dec 17 2016, 20:42:59) [MSC v.1500 32 bit (
Intel)] on win32
Type "copyright", "credits" or "license()" for more information.
>>>
=== RESTART: D:\KULIAH CORRY LUQMA\SEMESTER IV\PRAKTIKUM ALGOSTRUK\no13.py ===
>>> katakan(10)
'Sepuluh '
>>>

14.


no14.py - D:\KULIAH CORRY LUQMA\SEMESTER IV\PRAKTIKUM ALGOSTRUK\no14.py (2.7.13)
File Edit Format Run Options Window Help
def formatRupiah(x):
y = str(x)
if len(y) <= 3:
return 'Rp '+y
else:
a = y[-3:]
b = y[:-3]
return formatRupiah(b)+ "."+a
print ('Rp ' + formatRupiah(b) +"."+a)
Python 2.7.13 Shell
File Edit Shell Debug Options Window Help
Python 2.7.13 (v2.7.13:a06454blafal, Dec 17 2016, 20:42:59) [MSC v.1500 32 bit (
Intel)] on win32
Type "copyright", "credits" or "license()" for more information.
>>>
=== RESTART: D:\KULIAH CORRY LUQMA\SEMESTER IV\PRAKTIKUM ALGOSTRUK\no14.py ===
>>> formatRupiah(1500)
'Rp 1.500'
>>> formatRupiah(2560000)
'Rp 2.560.000'
>>>