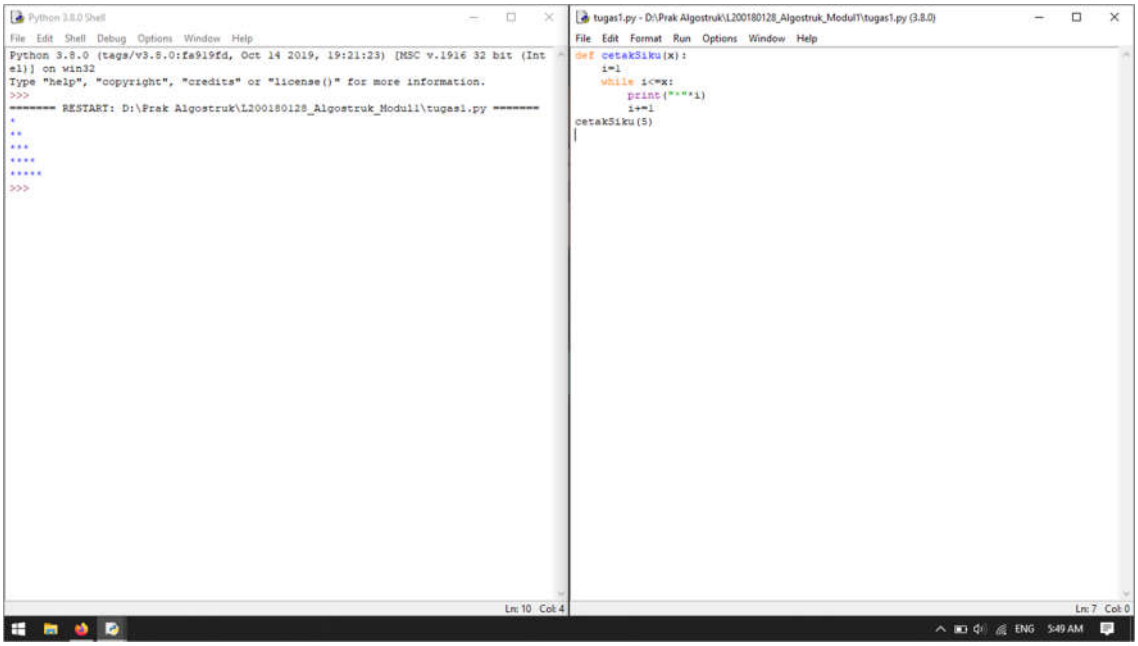
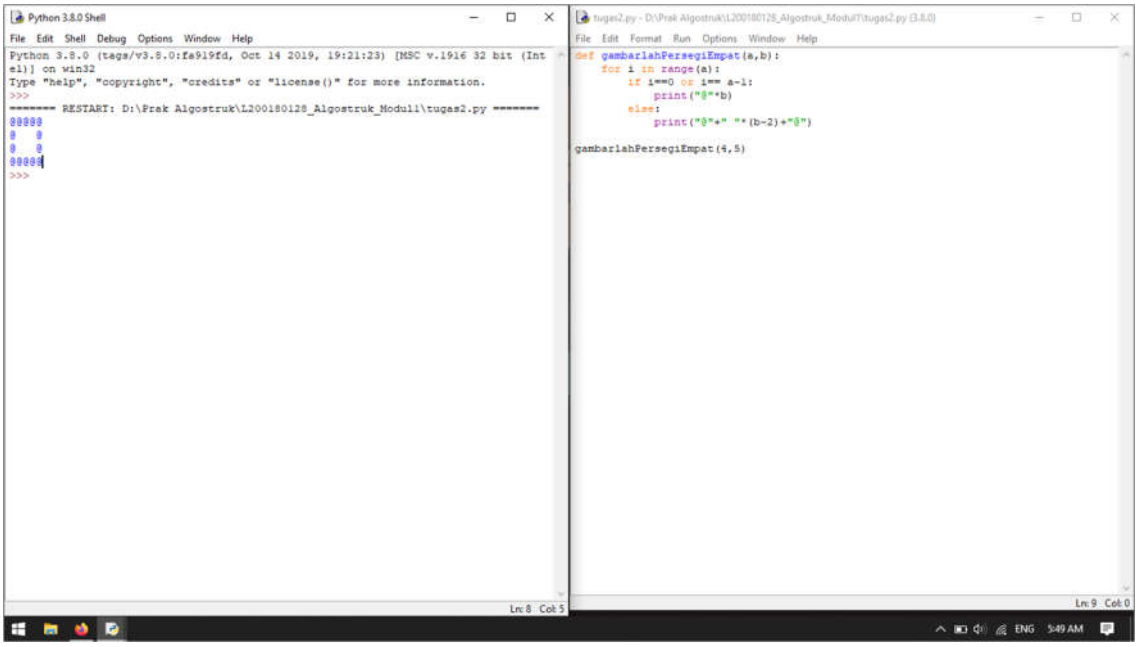
Nama : Hudi Pradjanu
NIM : L200180128
Kelas : E

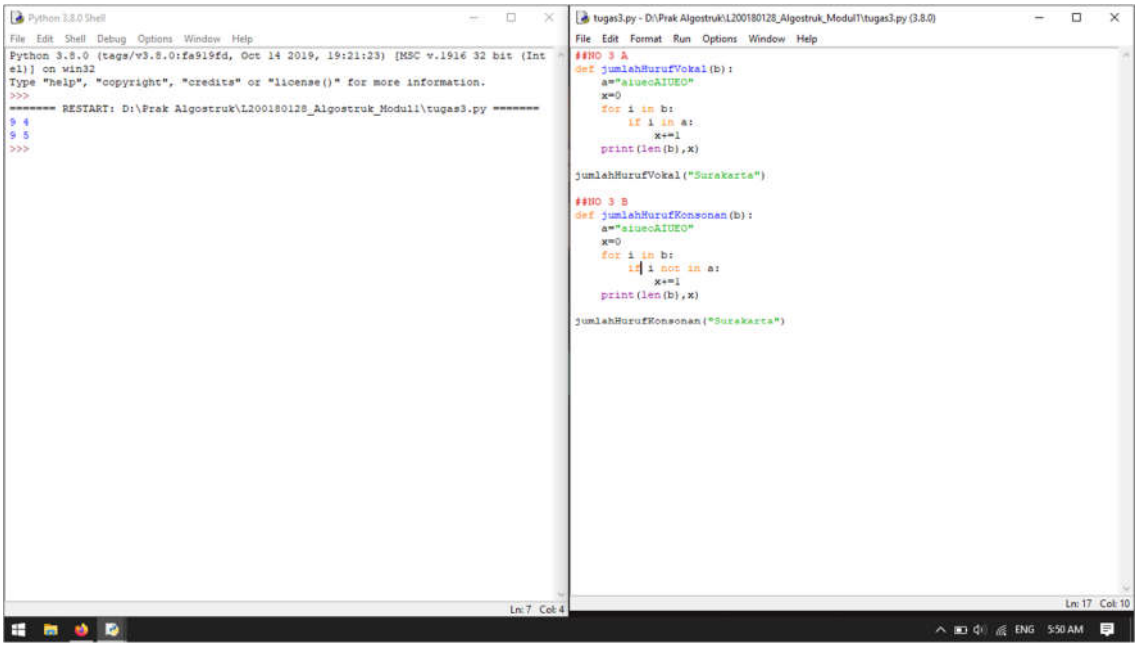
No 1



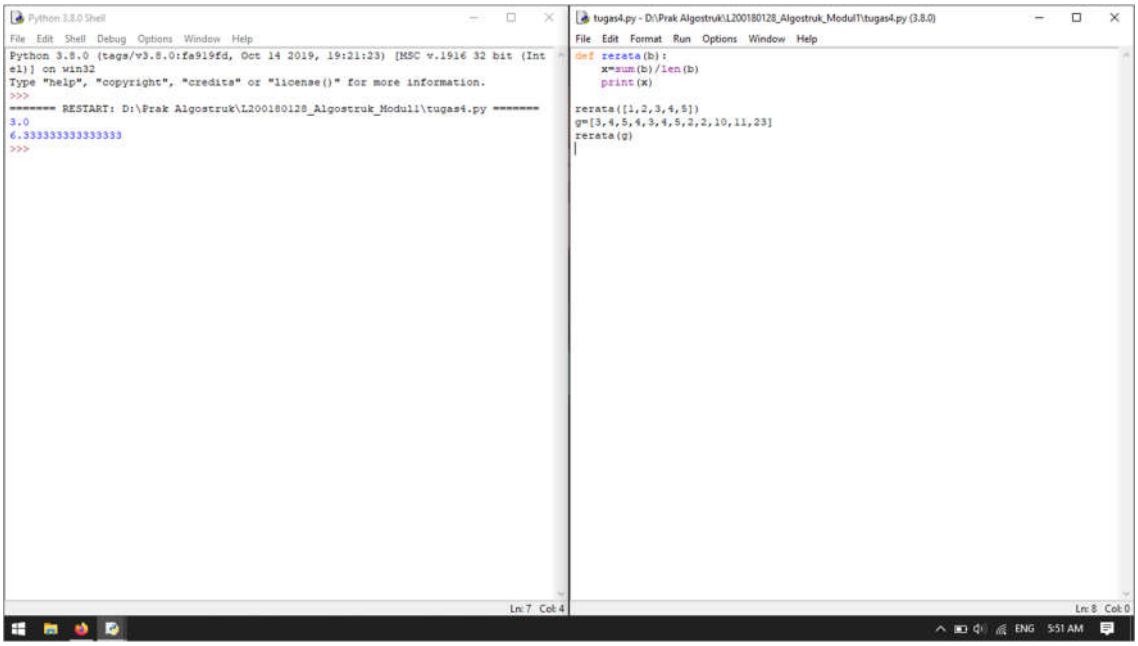
No 2



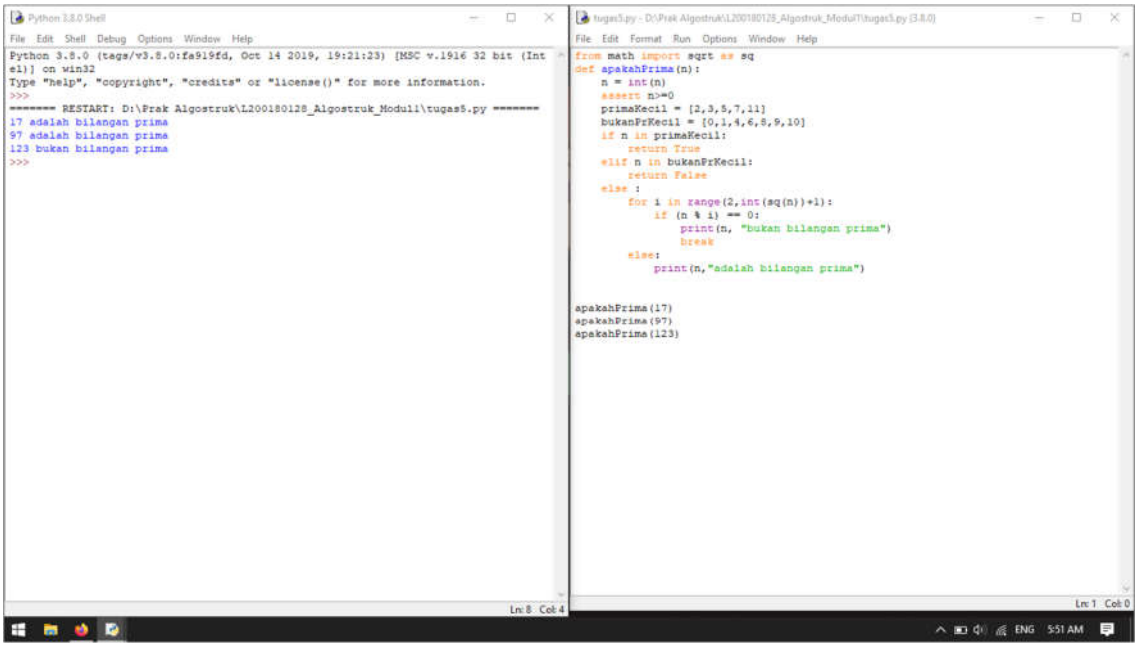
No 3


Python 3.8.0 Shell
File Edit Shell Debug Options Window Help
Python 3.8.0 (tags/v3.8.0:fa919fd, Oct 14 2019, 19:21:23) [MSC v.1916 32 bit (Intel)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
======= RESTART: D:\Prak Algostruk\L200180128_Algostruk_Modul1\tugas3.py =======
9 4
9 5
>>>
Ln: 7 Col: 4
tugas3.py - D:\Prak Algostruk\L200180128_Algostruk_Modul1\tugas3.py (3.8.0)
File Edit Format Run Options Window Help
##NO 3 A
def jumlahHurufVokal(b):
a="aiuecAIUEO"
x=0
for i in b:
if i in a:
x+=1
print(len(b),x)
jumlahHurufVokal("Surakarta")
##NO 3 B
def jumlahHurufKonsonan(b):
a="aiuecAIUEO"
x=0
for i in b:
if i not in a:
x+=1
print(len(b),x)
jumlahHurufKonsonan("Surakarta")
Ln: 17 Col: 10
ENG 5:50 AM

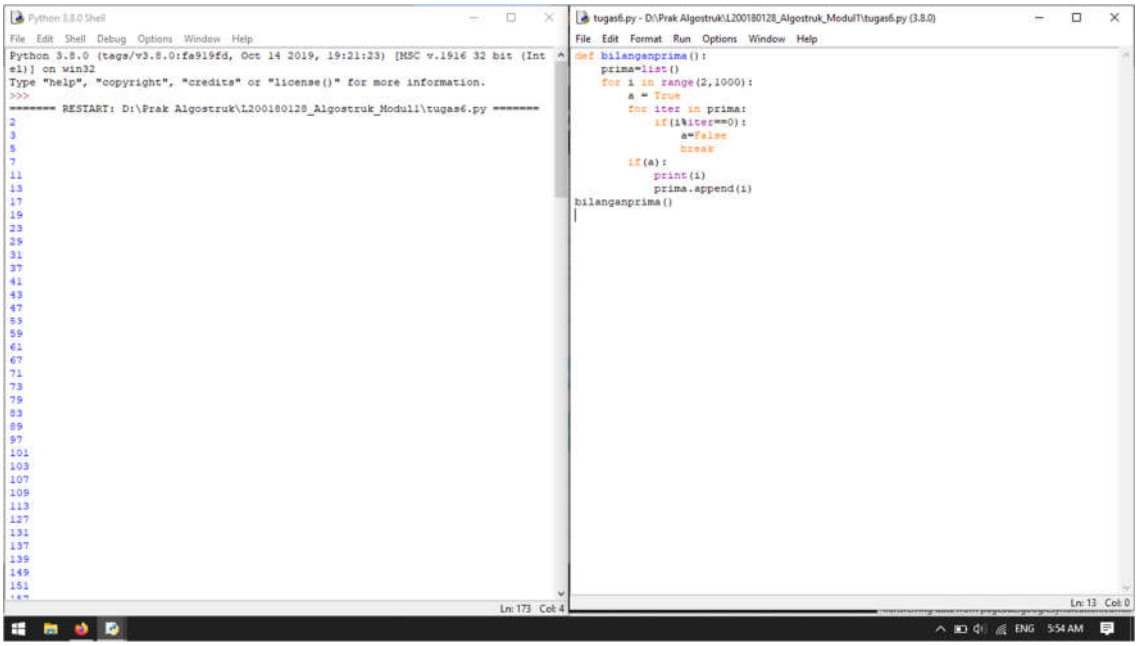
No 4

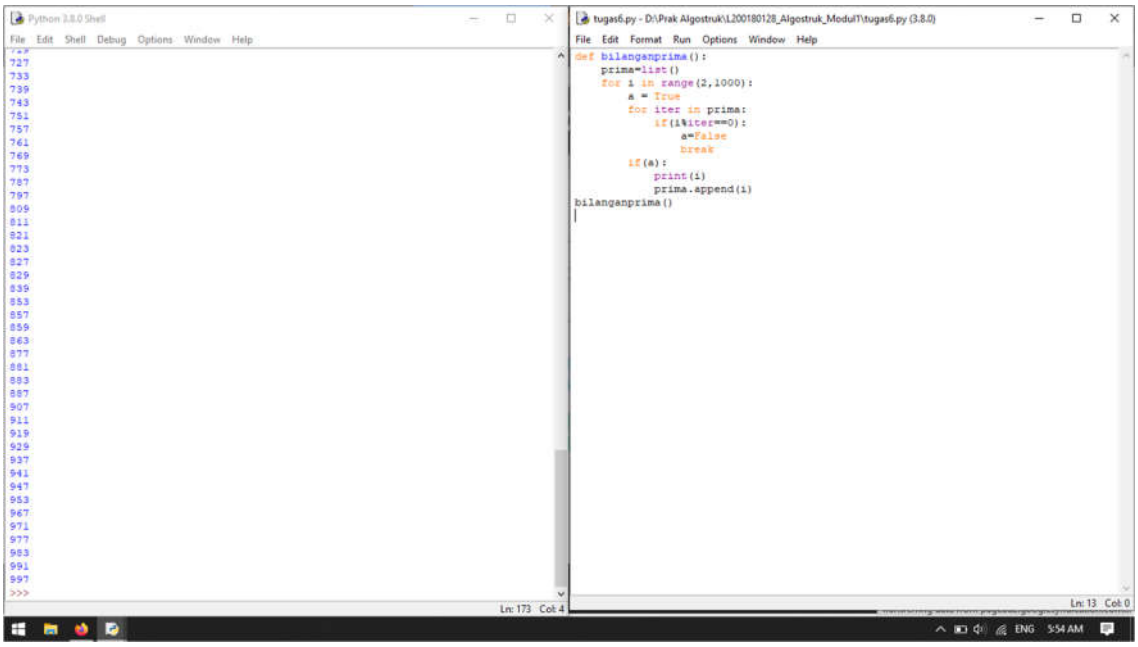

Python 3.8.0 Shell
File Edit Shell Debug Options Window Help
Python 3.8.0 (tags/v3.8.0:fa919fd, Oct 14 2019, 19:21:23) [MSC v.1916 32 bit (Intel)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
======= RESTART: D:\Prak Algostruk\L200180128_Algostruk_Modul1\tugas4.py =======
3.0
6.333333333333333
>>>
Ln: 7 Col: 4
tugas4.py - D:\Prak Algostruk\L200180128_Algostruk_Modul1\tugas4.py (3.8.0)
File Edit Format Run Options Window Help
def rerata(b):
x=sum(b)/len(b)
print(x)
rerata([1,2,3,4,5])
g=[3,4,5,4,3,4,5,2,2,10,11,23]
rerata(g)
Ln: 8 Col: 0
ENG 5:51 AM

No 5

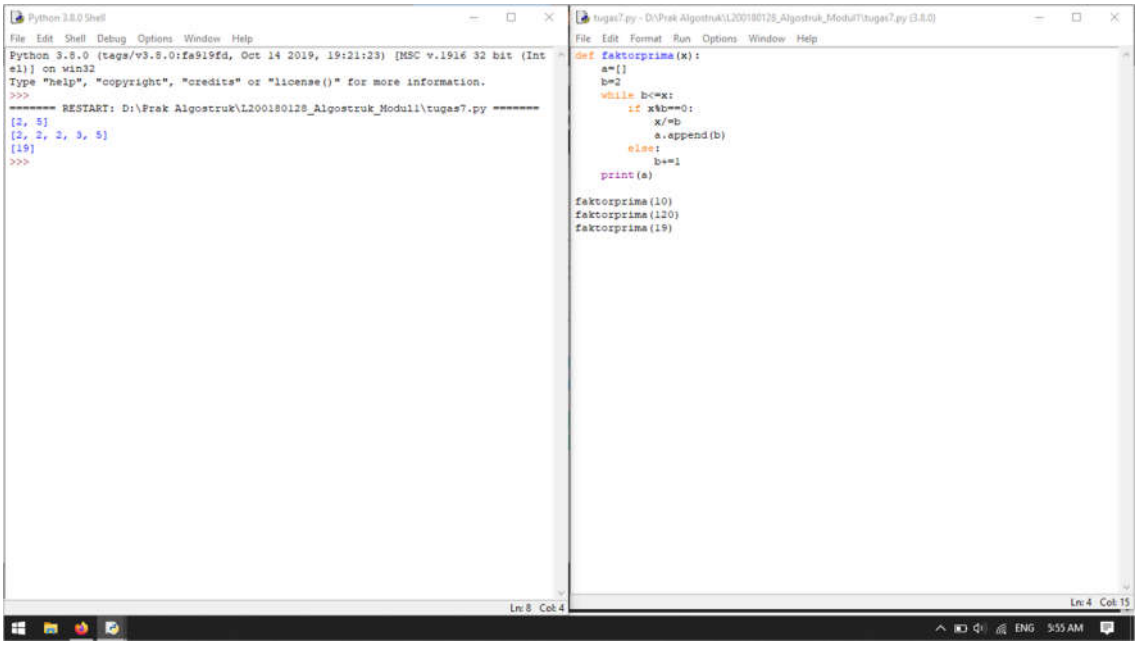

Python 3.8.0 Shell
File Edit Shell Debug Options Window Help
Python 3.8.0 (tags/v3.8.0:fa919fd, Oct 14 2019, 19:21:23) [MSC v.1916 32 bit (Intel)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
======= RESTART: D:\Prak Algostruk\L200180128_Algostruk_Modul1\tugas5.py =======
17 adalah bilangan prima
97 adalah bilangan prima
123 bukan bilangan prima
>>>
Ln: 8 Col: 4
tugas5.py - D:\Prak Algostruk\L200180128_Algostruk_Modul1\tugas5.py (3.8.0)
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:
print(n, "bukan bilangan prima")
break
else:
print(n,"adalah bilangan prima")
apakahPrima(17)
apakahPrima(97)
apakahPrima(123)
Ln: 1 Col: 0
ENG 5:51 AM

No 6

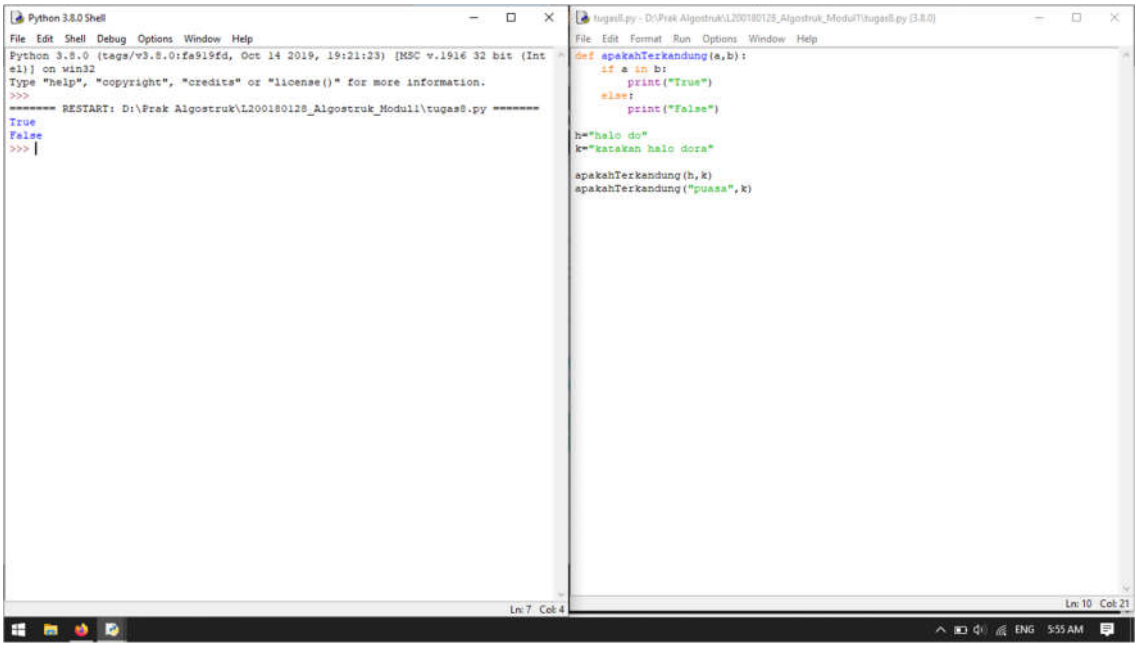

Python 3.8.0 Shell
File Edit Shell Debug Options Window Help
Python 3.8.0 (tags/v3.8.0:fa919fd, Oct 14 2019, 19:21:23) [MSC v.1916 32 bit (Intel)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
======= RESTART: D:\Prak Algostruk\L200180128_Algostruk_Modul1\tugas6.py =======
2
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
Ln: 173 Col: 4
tugas6.py - D:\Prak Algostruk\L200180128_Algostruk_Modul1\tugas6.py (3.8.0)
File Edit Format Run Options Window Help
def bilanganprima():
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)
bilanganprima()
Ln: 13 Col: 0
ENG 5:54 AM


Python 3.8.0 Shell
File Edit Shell Debug Options Window Help
727
733
739
743
751
757
761
769
773
787
797
809
811
821
823
827
829
839
853
857
859
863
877
881
883
887
907
911
919
929
937
941
947
953
967
971
977
983
991
997
>>>
Ln: 173 Col: 4
tugas6.py - D:\Prak Algostruk\L200180128_Algostruk_ModulT\tugas6.py (3.8.0)
File Edit Format Run Options Window Help
def bilanganprima():
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)
bilanganprima()
Ln: 13 Col: 0
ENG 5:54 AM

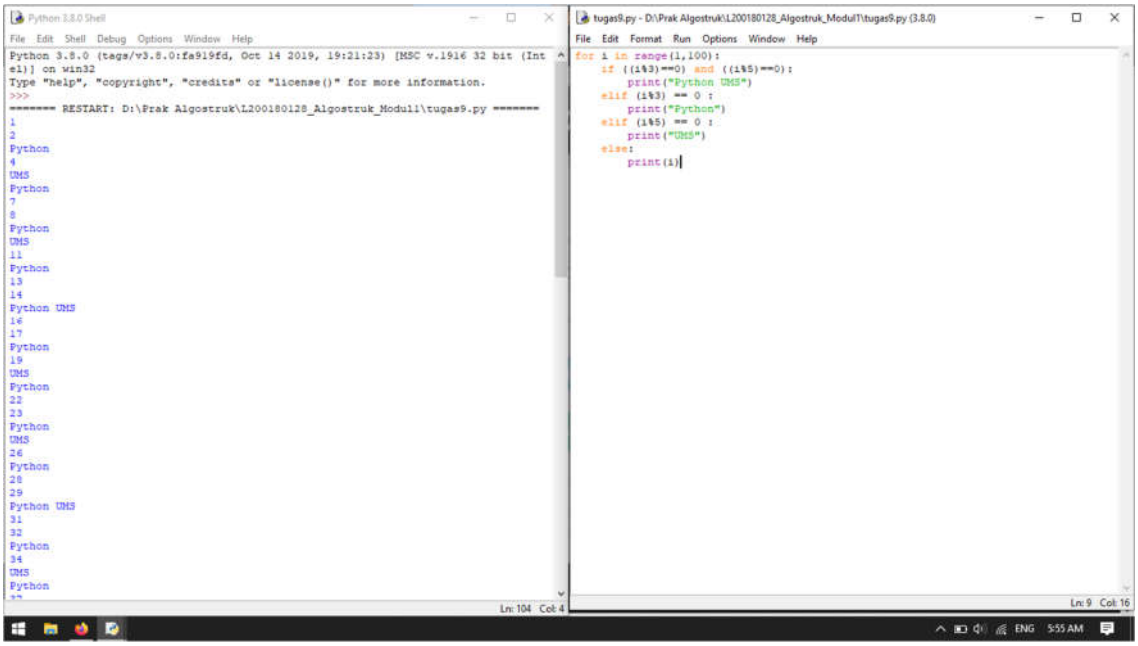
No 7

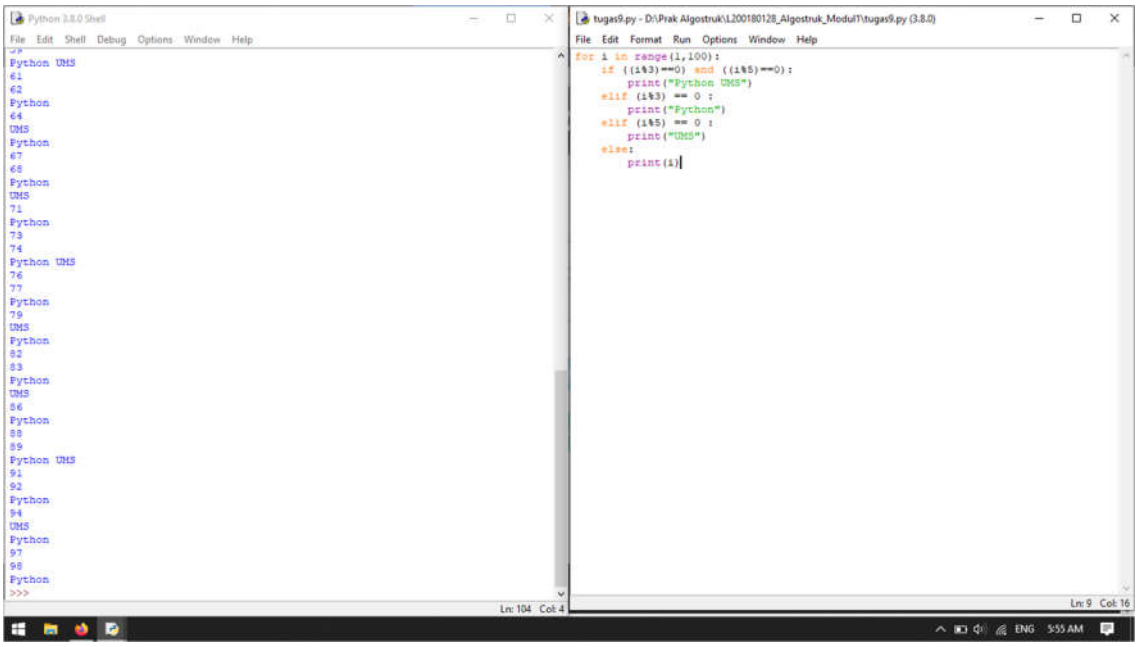

Python 3.8.0 Shell
File Edit Shell Debug Options Window Help
Python 3.8.0 (tags/v3.8.0:fa919fd, Oct 14 2019, 19:21:23) [MSC v.1916 32 bit (Intel)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
======= RESTART: D:\Prak Algostruk\L200180128_Algostruk_Modul1\tugas7.py =======
[2, 5]
[2, 2, 2, 3, 5]
[19]
>>>
Ln: 8 Col: 4
tugas7.py - D:\Prak Algostruk\L200180128_Algostruk_ModulT\tugas7.py (3.8.0)
File Edit Format Run Options Window Help
def faktorprima(x):
a=[]
b=2
while b<=x:
if x%b==0:
x/=b
a.append(b)
else:
b+=1
print(a)
faktorprima(10)
faktorprima(120)
faktorprima(19)
Ln: 4 Col: 15
ENG 5:55 AM

No 8

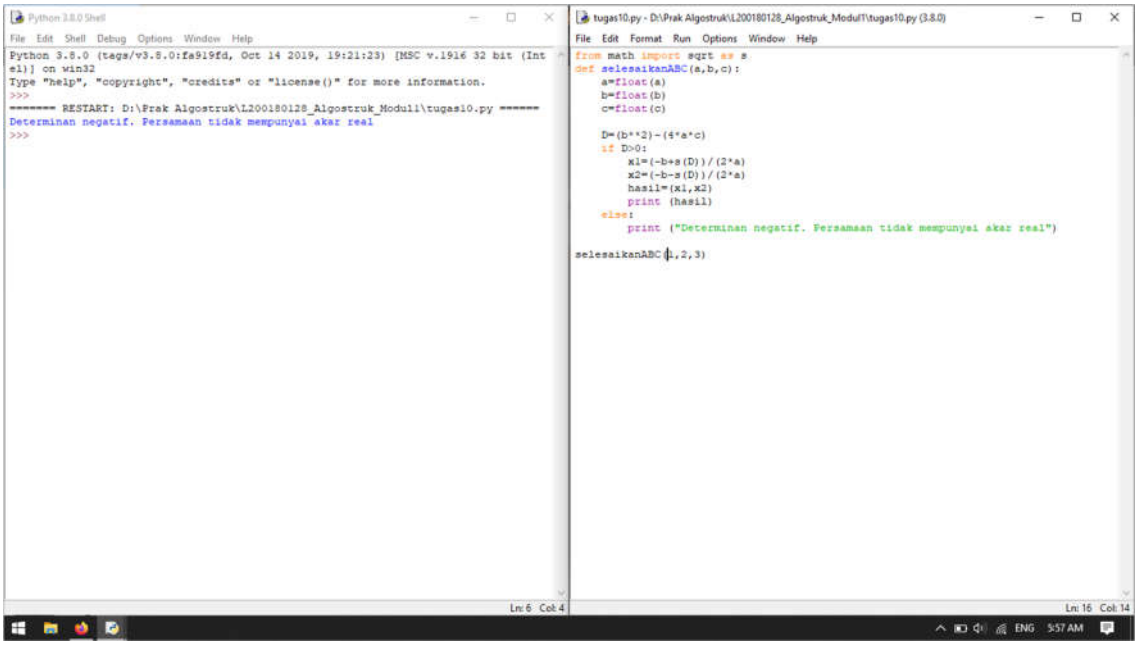

Python 3.8.0 Shell
File Edit Shell Debug Options Window Help
Python 3.8.0 (tags/v3.8.0:fa919fd, Oct 14 2019, 19:21:23) [MSC v.1916 32 bit (Intel)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
======= RESTART: D:\Prak Algostruk\L200180128_Algostruk_Modul1\tugas8.py =======
True
False
>>>
Ln: 7 Col: 4
tugas8.py - D:\Prak Algostruk\L200180128_Algostruk_Modul1\tugas8.py (3.8.0)
File Edit Format Run Options Window Help
def apakahTerkandung(a,b):
if a in b:
print("True")
else:
print("False")
h="halo do"
k="katakan halo dora"
apakahTerkandung(h,k)
apakahTerkandung("puasa",k)
Ln: 10 Col: 21
ENG 5:55 AM

No 9

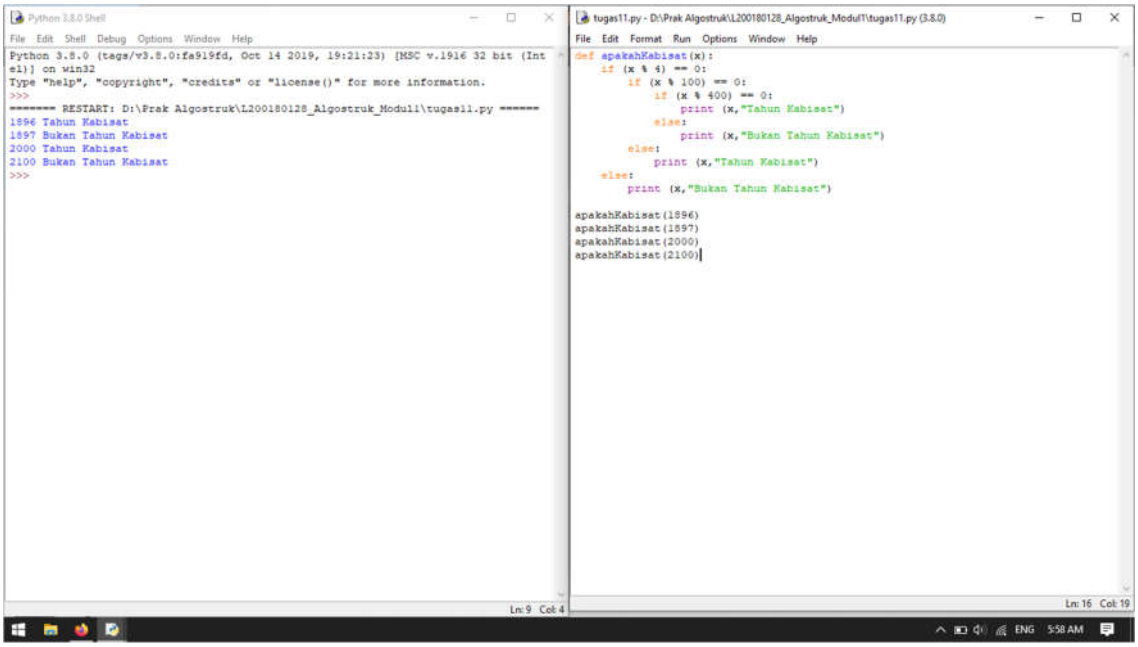

Python 3.8.0 Shell
File Edit Shell Debug Options Window Help
Python 3.8.0 (tags/v3.8.0:fa919fd, Oct 14 2019, 19:21:23) [MSC v.1916 32 bit (Intel)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
======= RESTART: D:\Prak Algostruk\L200180128_Algostruk_Modul1\tugas9.py =======
1
2
Python
4
UMS
Python
7
8
Python
UMS
11
Python
13
14
Python UMS
16
17
Python
19
UMS
Python
22
23
Python
UMS
26
Python
28
29
Python UMS
31
32
Python
34
UMS
Python
Ln: 104 Col: 4
tugas9.py - D:\Prak Algostruk\L200180128_Algostruk_Modul1\tugas9.py (3.8.0)
File Edit Format Run Options Window Help
for i in range(1,100):
if ((i%3)==0) and ((i%5)==0):
print("Python UMS")
elif (i%3) == 0 :
print("Python")
elif (i%5) == 0 :
print("UMS")
else:
print(i)
Ln: 9 Col: 16
ENG 5:55 AM


Python 3.8.0 Shell
File Edit Shell Debug Options Window Help
Python UMS
61
62
Python
64
UMS
Python
67
68
Python
UMS
71
Python
73
74
Python UMS
76
77
Python
79
UMS
Python
82
83
Python
UMS
86
Python
88
89
Python UMS
91
92
Python
94
UMS
Python
97
98
Python
>>>
Ln: 104 Col: 4
tugas9.py - D:\Prak Algostruk\L200180128_Algostruk_ModulT\tugas9.py (3.8.0)
File Edit Format Run Options Window Help
for i in range(1,100):
if ((i%3)==0) and ((i%5)==0):
print("Python UMS")
elif (i%3) == 0 :
print("Python")
elif (i%5) == 0 :
print("UMS")
else:
print(i)
Ln: 9 Col: 16
ENG 5:55 AM

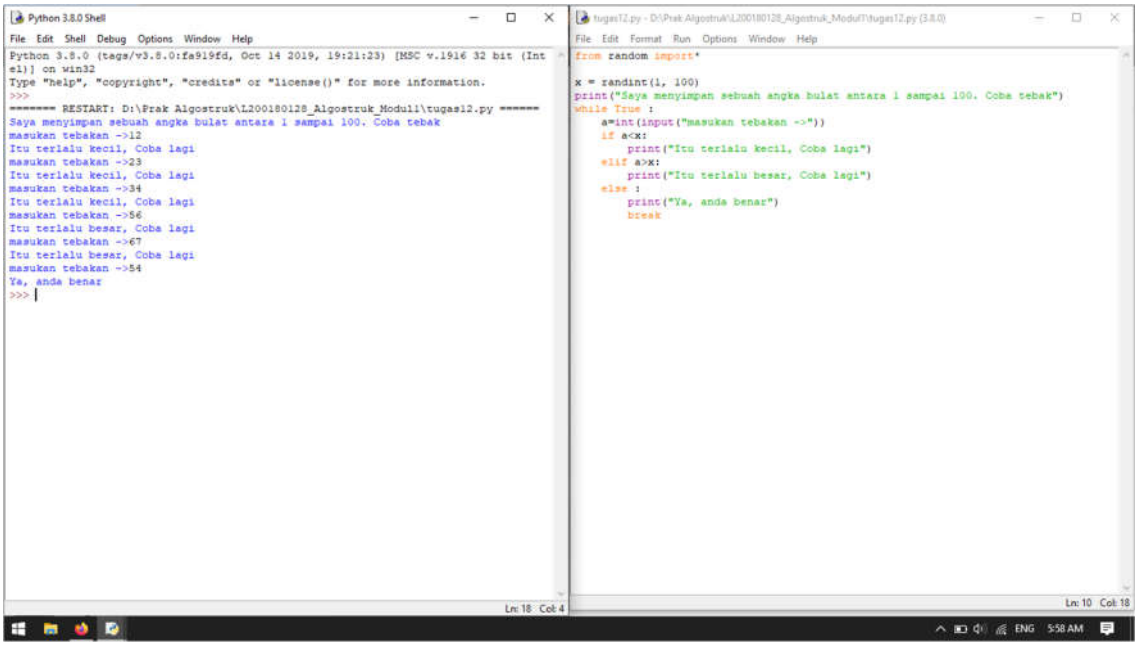
No 10


Python 3.8.0 Shell
File Edit Shell Debug Options Window Help
Python 3.8.0 (tags/v3.8.0:fa919fd, Oct 14 2019, 19:21:23) [MSC v.1916 32 bit (Intel)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
======= RESTART: D:\Prak Algostruk\L200180128_Algostruk_Modul1\tugas10.py ======
Determinan negatif. Persamaan tidak mempunyai akar real
>>>
Ln: 6 Col: 4
tugas10.py - D:\Prak Algostruk\L200180128_Algostruk_ModulT\tugas10.py (3.8.0)
File Edit Format Run Options Window Help
from math import sqrt as s
def selesaikanABC(a,b,c):
a=float(a)
b=float(b)
c=float(c)
D=(b**2)-(4*a*c)
if D>0:
x1=(-b+s(D))/(2*a)
x2=(-b-s(D))/(2*a)
hasil=(x1,x2)
print (hasil)
else:
print ("Determinan negatif. Persamaan tidak mempunyai akar real")
selesaikanABC(1,2,3)
Ln: 16 Col: 14
ENG 5:57 AM

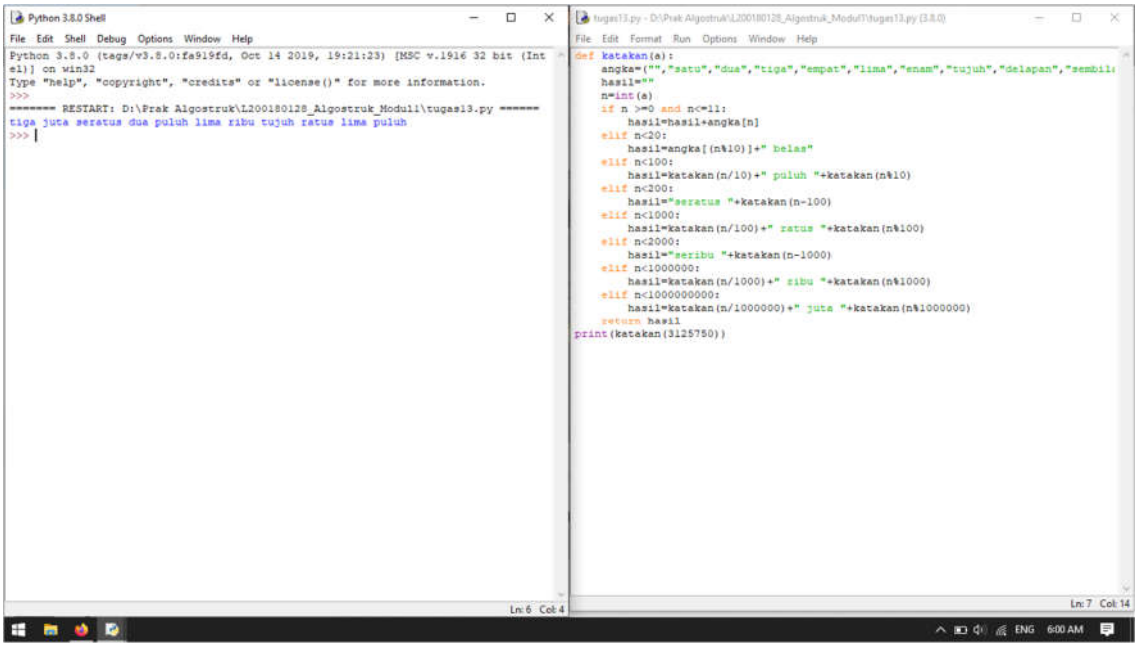
No 11


Python 3.8.0 Shell
File Edit Shell Debug Options Window Help
Python 3.8.0 (tags/v3.8.0:fa919fd, Oct 14 2019, 19:21:23) [MSC v.1916 32 bit (Intel)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
======= RESTART: D:\Prak Algostruk\L200180128_Algostruk_Modul1\tugas11.py ======
1896 Tahun Kabisat
1897 Bukan Tahun Kabisat
2000 Tahun Kabisat
2100 Bukan Tahun Kabisat
>>>
Ln: 9 Col: 4
tugas11.py - D:\Prak Algostruk\L200180128_Algostruk_Modul1\tugas11.py (3.8.0)
File Edit Format Run Options Window Help
def apakahKabisat(x):
if (x % 4) == 0:
if (x % 100) == 0:
if (x % 400) == 0:
print (x,"Tahun Kabisat")
else:
print (x,"Bukan Tahun Kabisat")
else:
print (x,"Tahun Kabisat")
else:
print (x,"Bukan Tahun Kabisat")
apakahKabisat(1896)
apakahKabisat(1897)
apakahKabisat(2000)
apakahKabisat(2100)
Ln: 16 Col: 19
ENG 5:58 AM

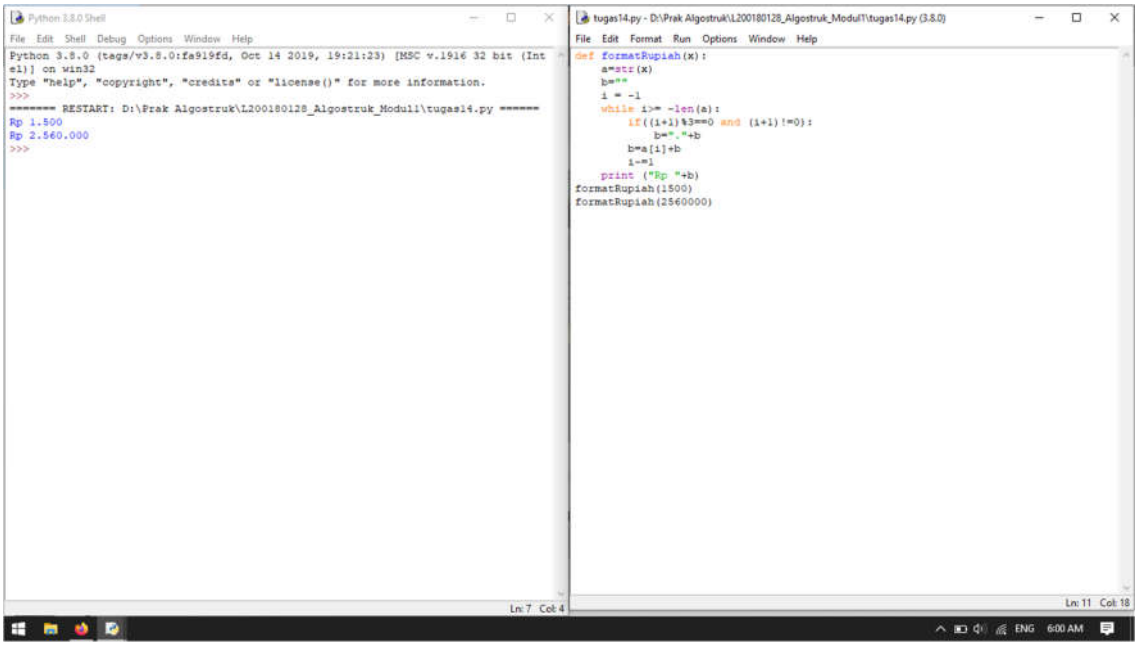
No 12


Python 3.8.0 Shell
File Edit Shell Debug Options Window Help
Python 3.8.0 (tags/v3.8.0:fa919fd, Oct 14 2019, 19:21:23) [MSC v.1916 32 bit (Intel)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
======= RESTART: D:\Prak Algostruk\L200180128_Algostruk_Modul1\tugas12.py ======
Saya menyimpan sebuah angka bulat antara 1 sampai 100. Coba tebak
masukan tebakan ->12
Itu terlalu kecil, Coba lagi
masukan tebakan ->23
Itu terlalu kecil, Coba lagi
masukan tebakan ->34
Itu terlalu kecil, Coba lagi
masukan tebakan ->56
Itu terlalu besar, Coba lagi
masukan tebakan ->67
Itu terlalu besar, Coba lagi
masukan tebakan ->54
Ya, anda benar
>>>
Ln: 18 Col: 4
File Edit Format Run Options Window Help
from random import*
x = randint(1, 100)
print("Saya menyimpan sebuah angka bulat antara 1 sampai 100. Coba tebak")
while True :
a=int(input("masukan tebakan ->"))
if a<x:
print("Itu terlalu kecil, Coba lagi")
elif a>x:
print("Itu terlalu besar, Coba lagi")
else :
print("Ya, anda benar")
break
Ln: 10 Col: 18
ENG 5:58 AM

No 13


Python 3.8.0 Shell
File Edit Shell Debug Options Window Help
Python 3.8.0 (tags/v3.8.0:fa919fd, Oct 14 2019, 19:21:23) [MSC v.1916 32 bit (Intel)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
======= RESTART: D:\Prak Algostruk\L200180128_Algostruk_Modul1\tugas13.py ======
tiga juta seratus dua puluh lima ribu tujuh ratus lima puluh
>>>
Ln: 6 Col: 4
tugas13.py - D:\Prak Algostruk\L200180128_Algostruk_Modul1\tugas13.py (3.8.0)
File Edit Format Run Options Window Help
def katakan(a):
angka=("","satu","dua","tiga","empat","lima","enam","tujuh","delapan","sembil
hasil=""
n=int(a)
if n >=0 and n<=11:
hasil=hasil+angka[n]
elif n<20:
hasil=angka[(n%10)]+" belas"
elif n<100:
hasil=katakan(n/10)+" puluh "+katakan(n%10)
elif n<200:
hasil="seratus "+katakan(n-100)
elif n<1000:
hasil=katakan(n/100)+" ratus "+katakan(n%100)
elif n<2000:
hasil="seribu "+katakan(n-1000)
elif n<1000000:
hasil=katakan(n/1000)+" ribu "+katakan(n%1000)
elif n<1000000000:
hasil=katakan(n/1000000)+" juta "+katakan(n%1000000)
return hasil
print(katakan(3125750))
Ln: 7 Col: 14
ENG 6:00 AM

No 14


Python 3.8.0 Shell
File Edit Shell Debug Options Window Help
Python 3.8.0 (tags/v3.8.0:fa919fd, Oct 14 2019, 19:21:23) [MSC v.1916 32 bit (Intel)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
======= RESTART: D:\Prak Algostruk\L200180128_Algostruk_Modul1\tugas14.py ======
Rp 1.500
Rp 2.560.000
>>>
Ln: 7 Col: 4
tugas14.py - D:\Prak Algostruk\L200180128_Algostruk_Modul1\tugas14.py (3.8.0)
File Edit Format Run Options Window Help
def formatRupiah(x):
a=str(x)
b=""
i = -1
while i>= -len(a):
if((i+1)%3==0 and (i+1)!=0):
b="."+b
b=a[i]+b
i-=1
print ("Rp "+b)
formatRupiah(1500)
formatRupiah(2560000)
Ln: 11 Col: 18
ENG 6:00 AM