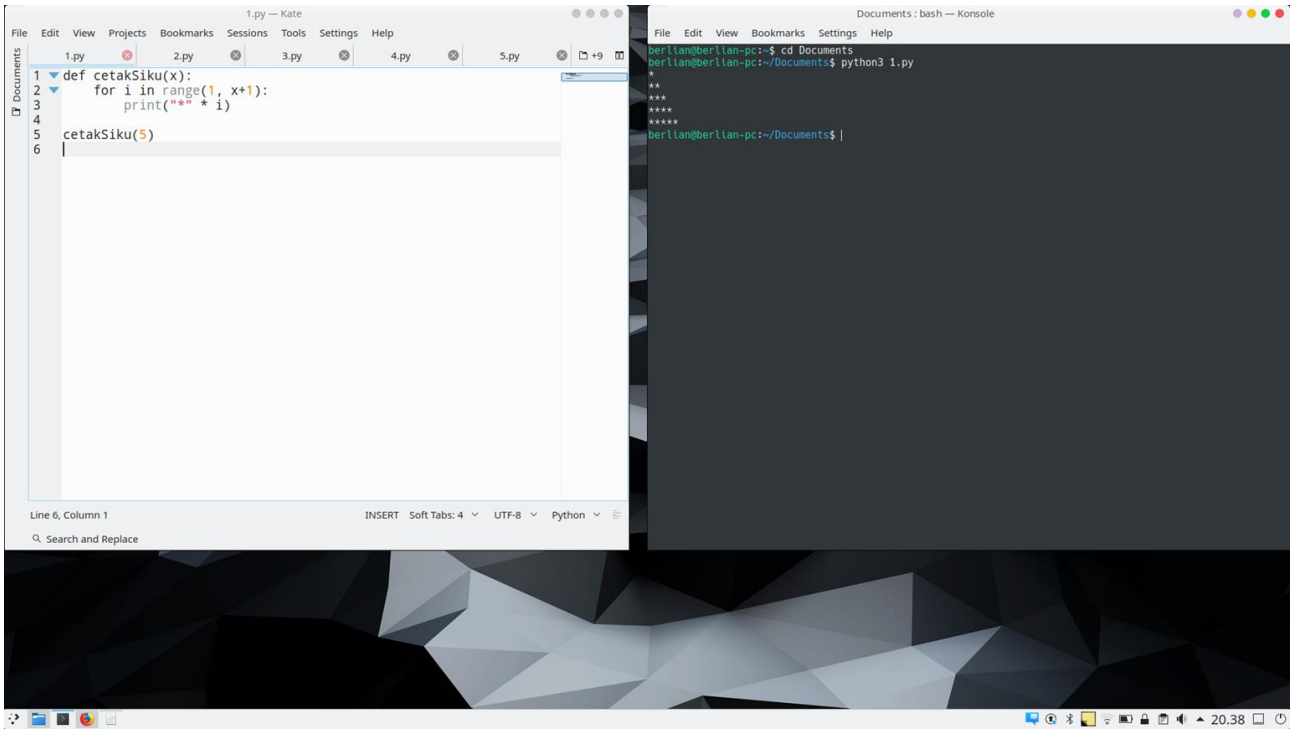
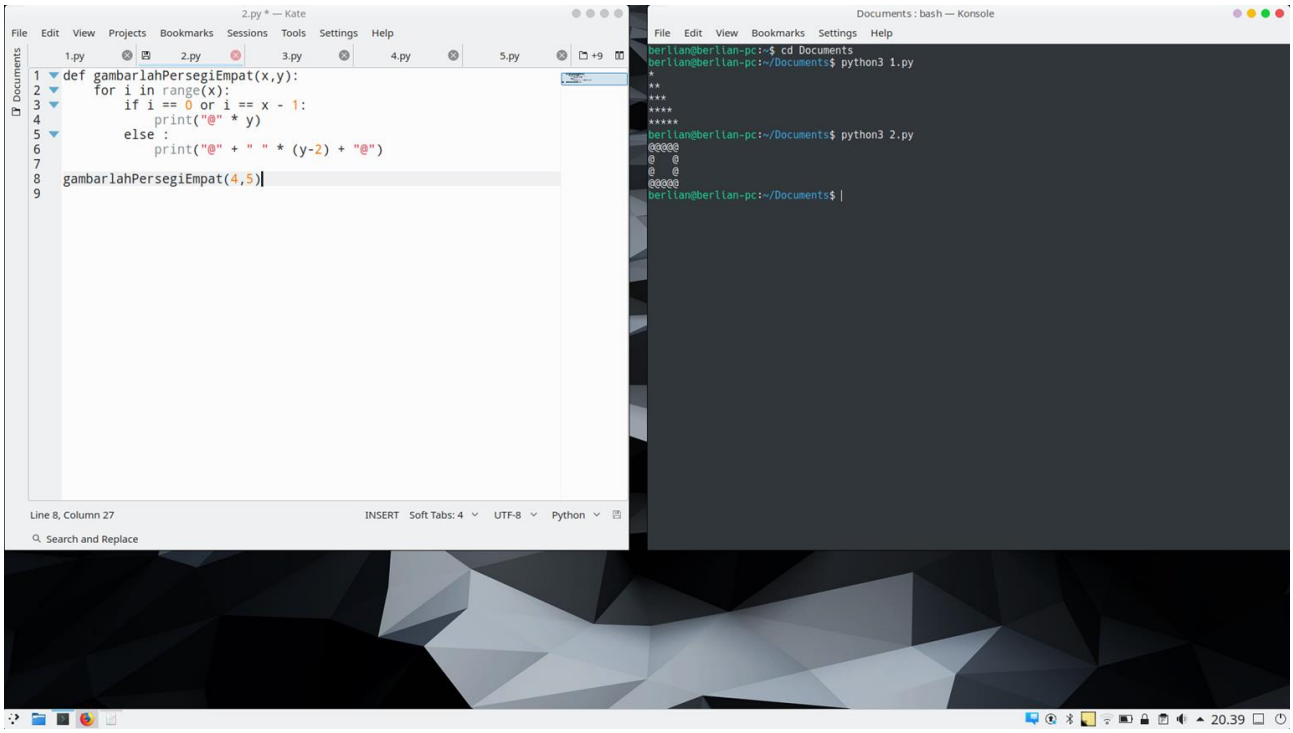
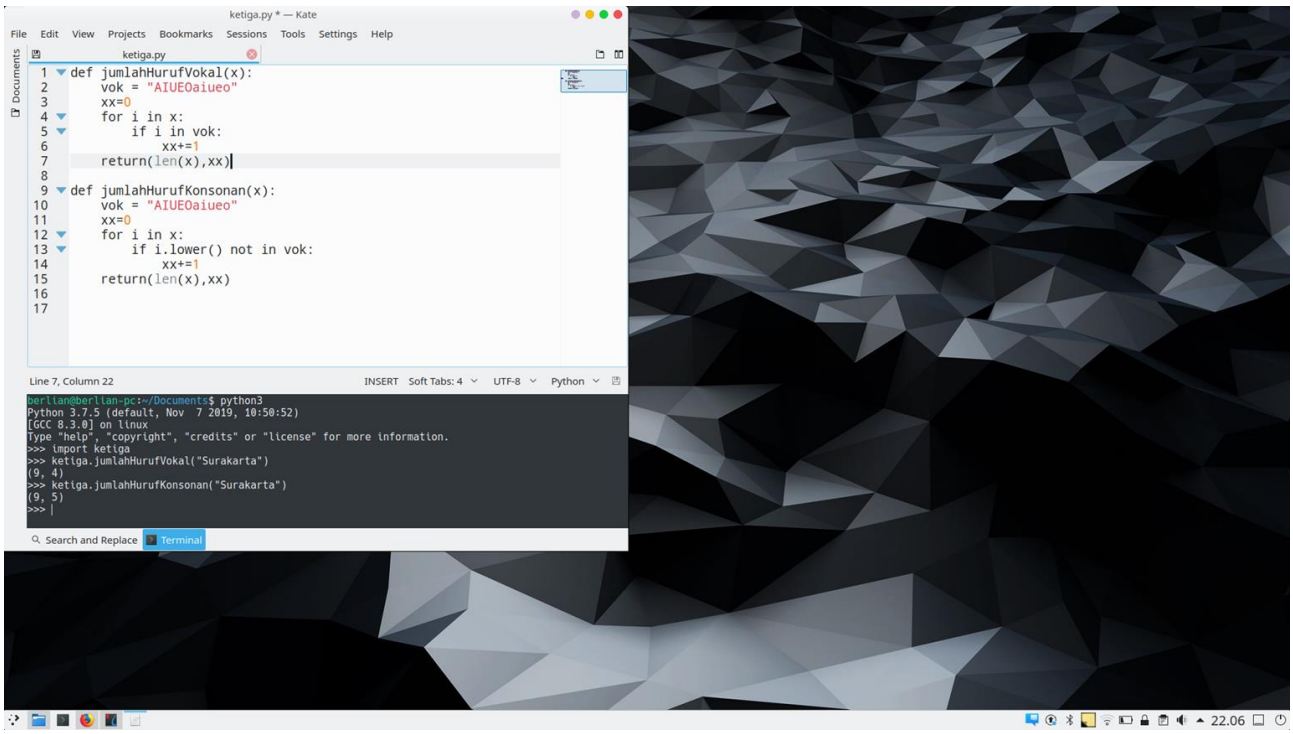
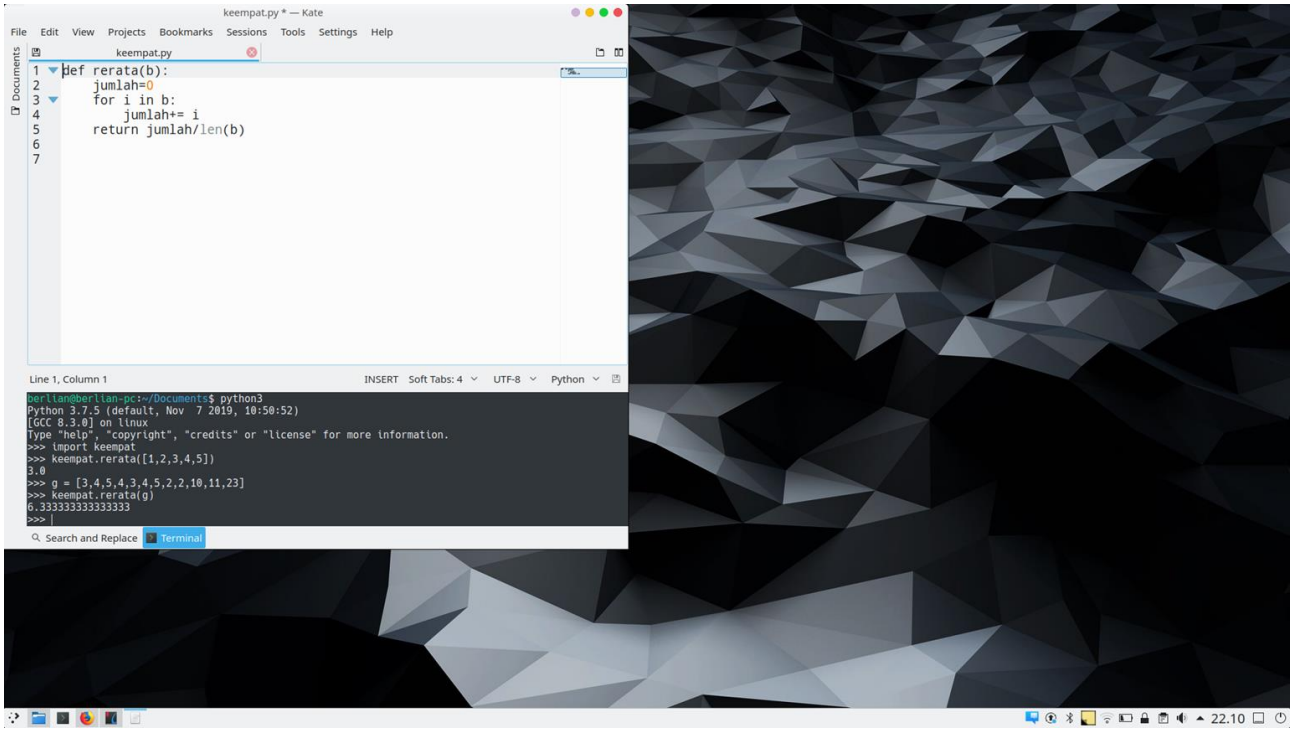
Nama : Berlian Vidia Puspa
NIM : L200180107

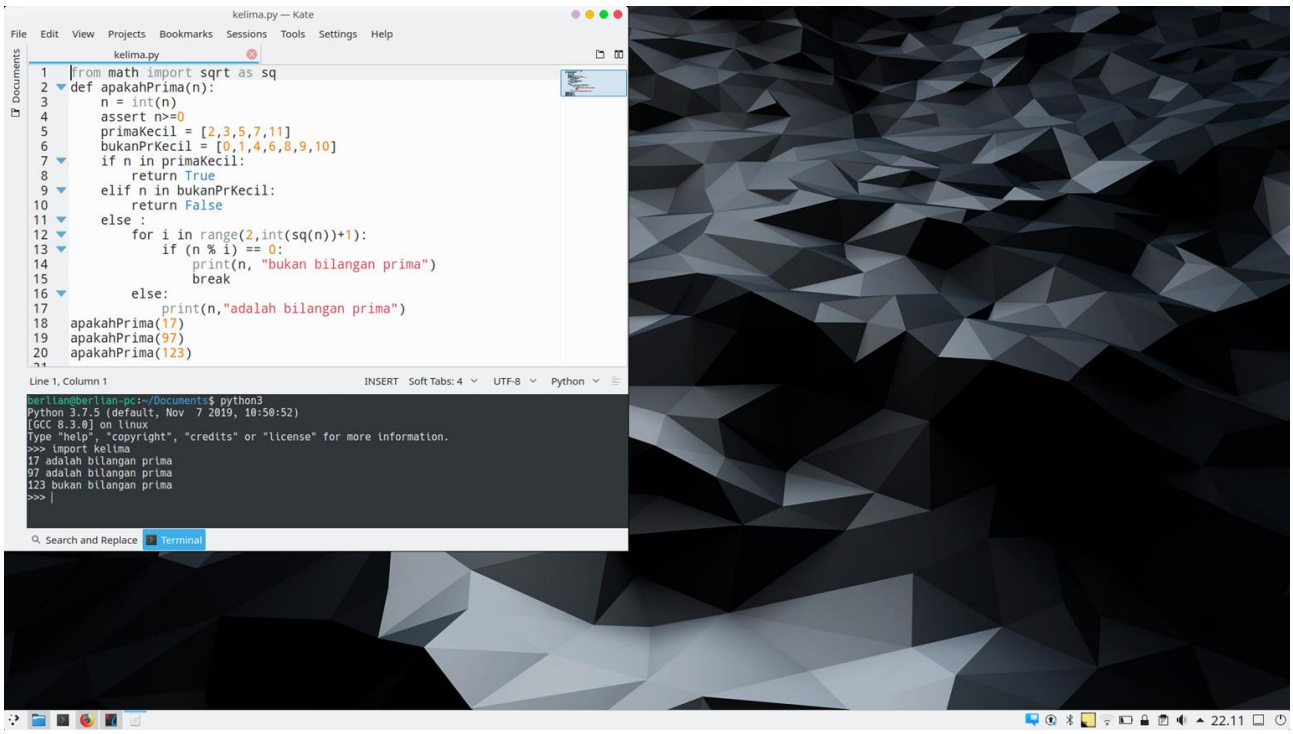
MODUL 1

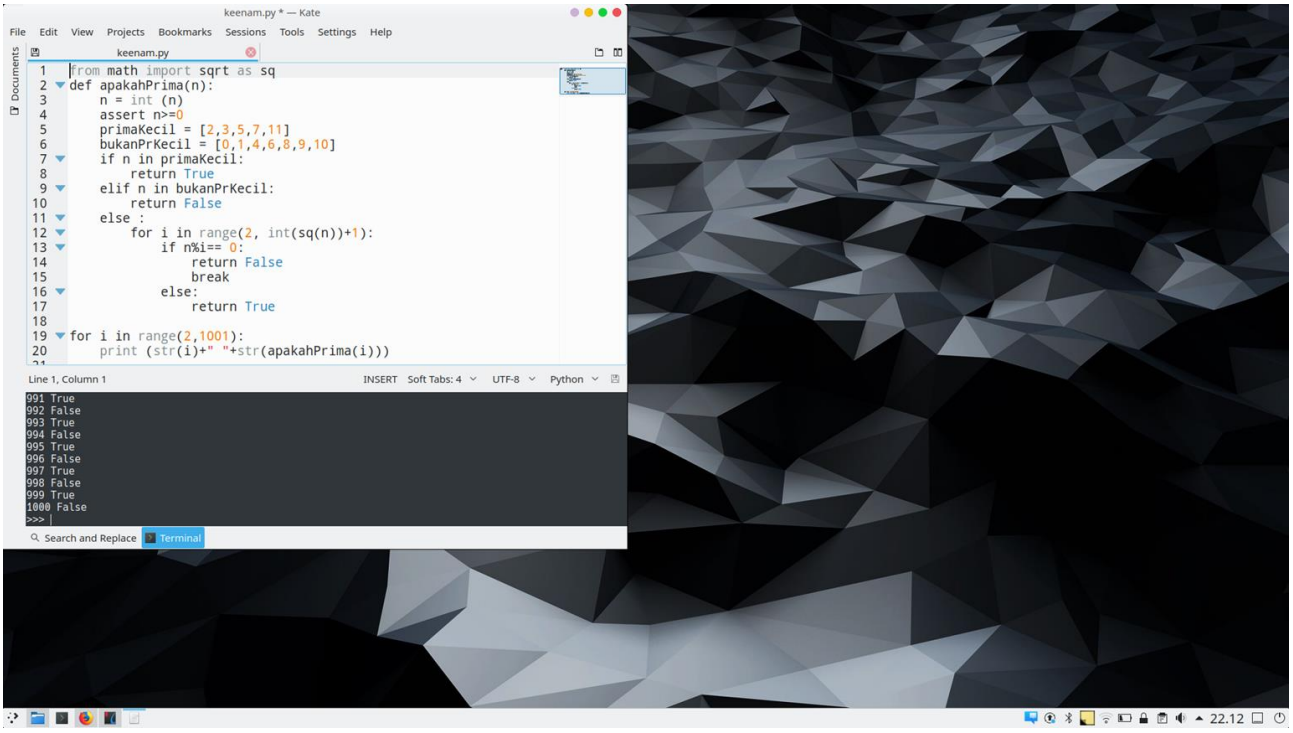


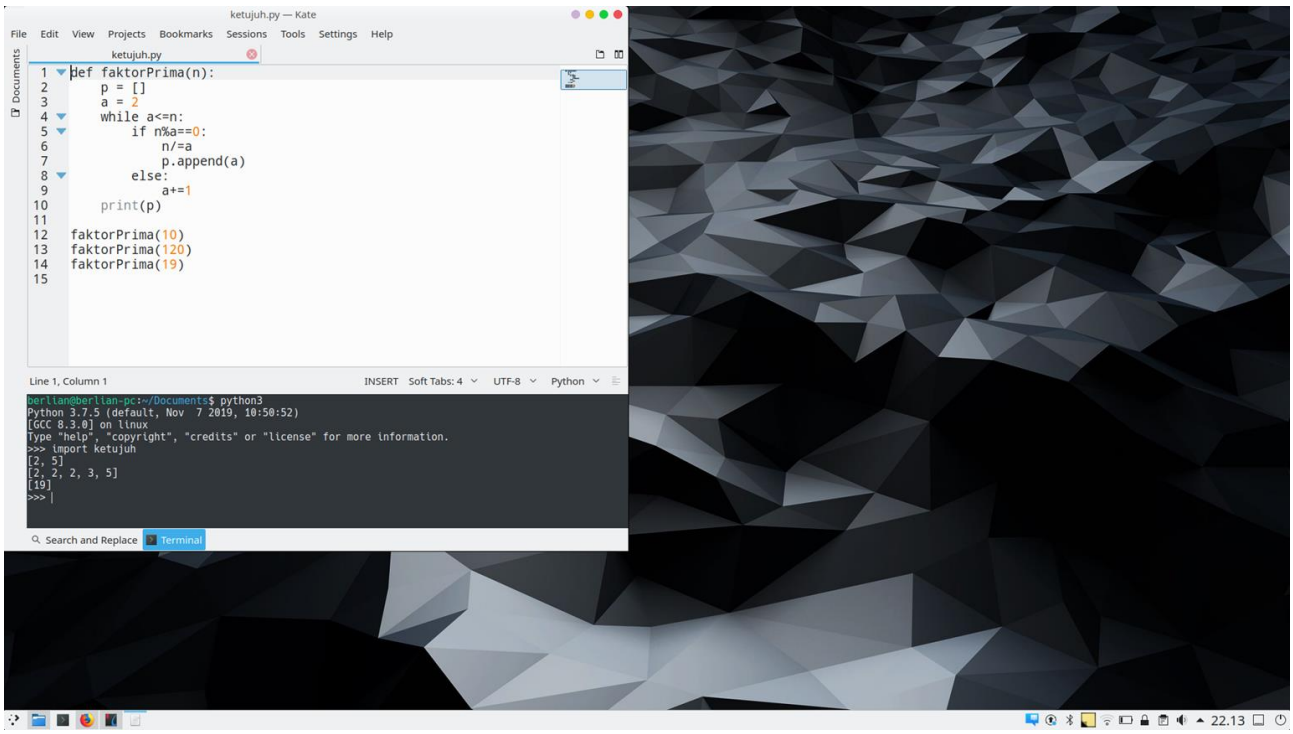


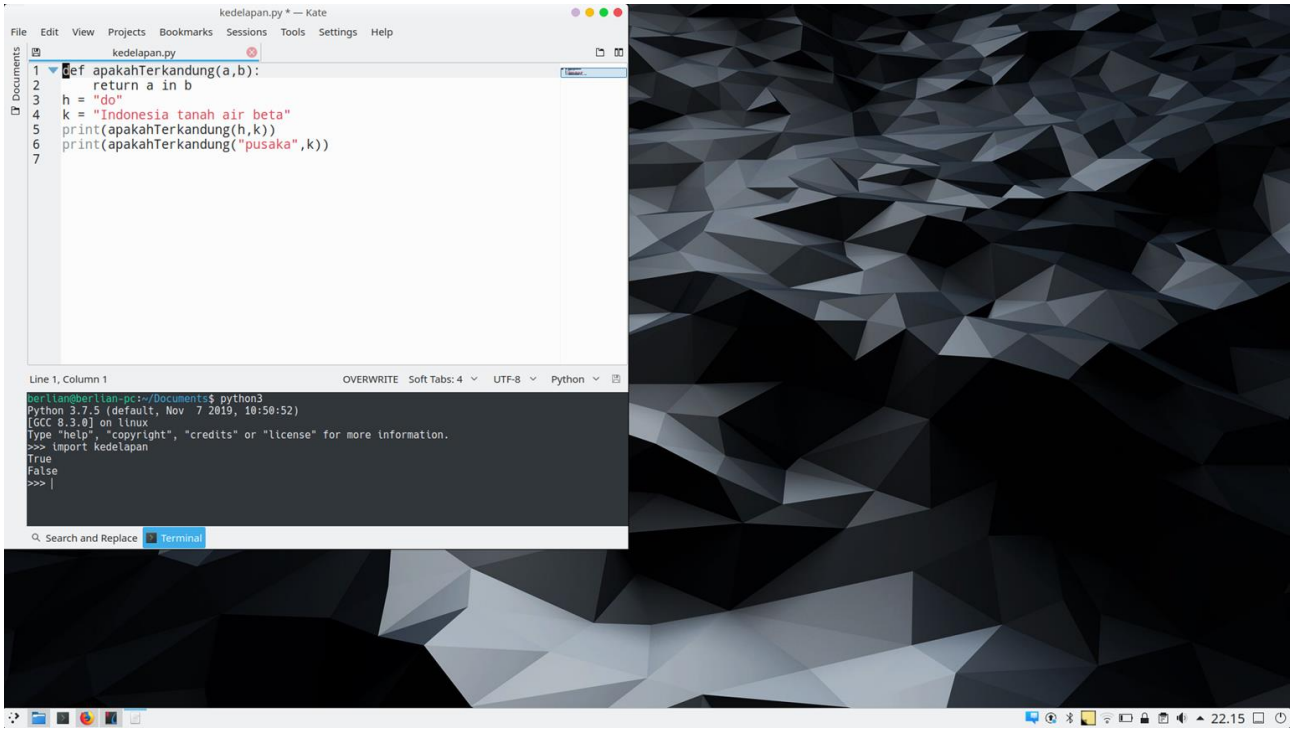

ketiga.py * — Kate
File Edit View Projects Bookmarks Sessions Tools Settings Help
Documents
ketiga.py
1 def jumlahHurufVokal(x):
2 vok = "AIUEOaiueo"
3 xx=0
4 for i in x:
5 if i in vok:
6 xx+=1
7 return(len(x),xx)
8
9 def jumlahHurufKonsonan(x):
10 vok = "AIUEOaiueo"
11 xx=0
12 for i in x:
13 if i.lower() not in vok:
14 xx+=1
15 return(len(x),xx)
16
17
Line 7, Column 22
INSERT Soft Tabs: 4 UTF-8 Python
berlian@berlian-pc:~/Documents$ python3
Python 3.7.5 (default, Nov 7 2019, 10:50:52)
[GCC 8.3.0] on linux
Type "help", "copyright", "credits" or "license" for more information.
>>> import ketiga
>>> ketiga.jumlahHurufVokal("Surakarta")
(9, 4)
>>> ketiga.jumlahHurufKonsonan("Surakarta")
(9, 5)
>>>
Search and Replace
Terminal
22.06

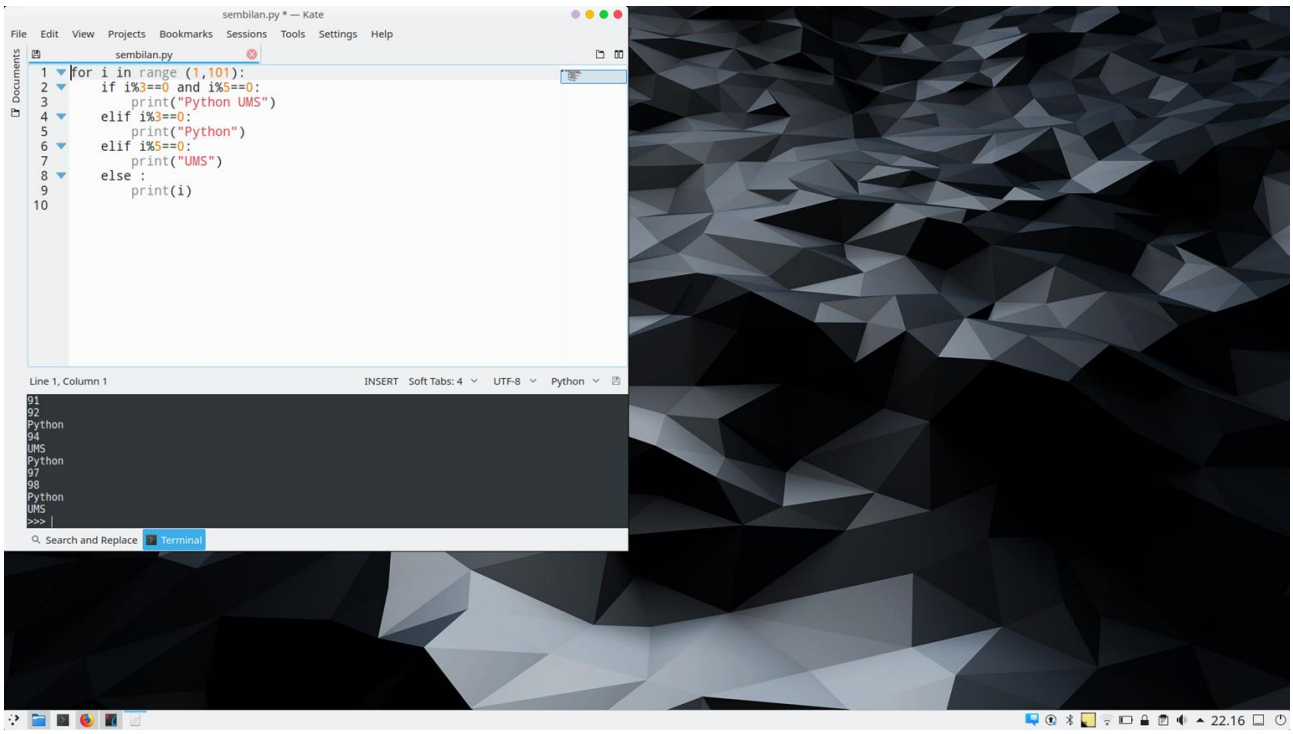

keempat.py * — Kate
File Edit View Projects Bookmarks Sessions Tools Settings Help
Documents
keempat.py
1 def rerata(b):
2 jumlah=0
3 for i in b:
4 jumlah+= i
5 return jumlah/len(b)
6
7
Line 1, Column 1
INSERT Soft Tabs: 4 UTF-8 Python
berlian@berlian-pc:~/Documents$ python3
Python 3.7.5 (default, Nov 7 2019, 10:50:52)
[GCC 8.3.0] on linux
Type "help", "copyright", "credits" or "license" for more information.
>>> import keempat
>>> keempat.rerata([1,2,3,4,5])
3.0
>>> g = [3,4,5,4,3,4,5,2,2,10,11,23]
>>> keempat.rerata(g)
6.333333333333333
>>>
Search and Replace
Terminal
22.10

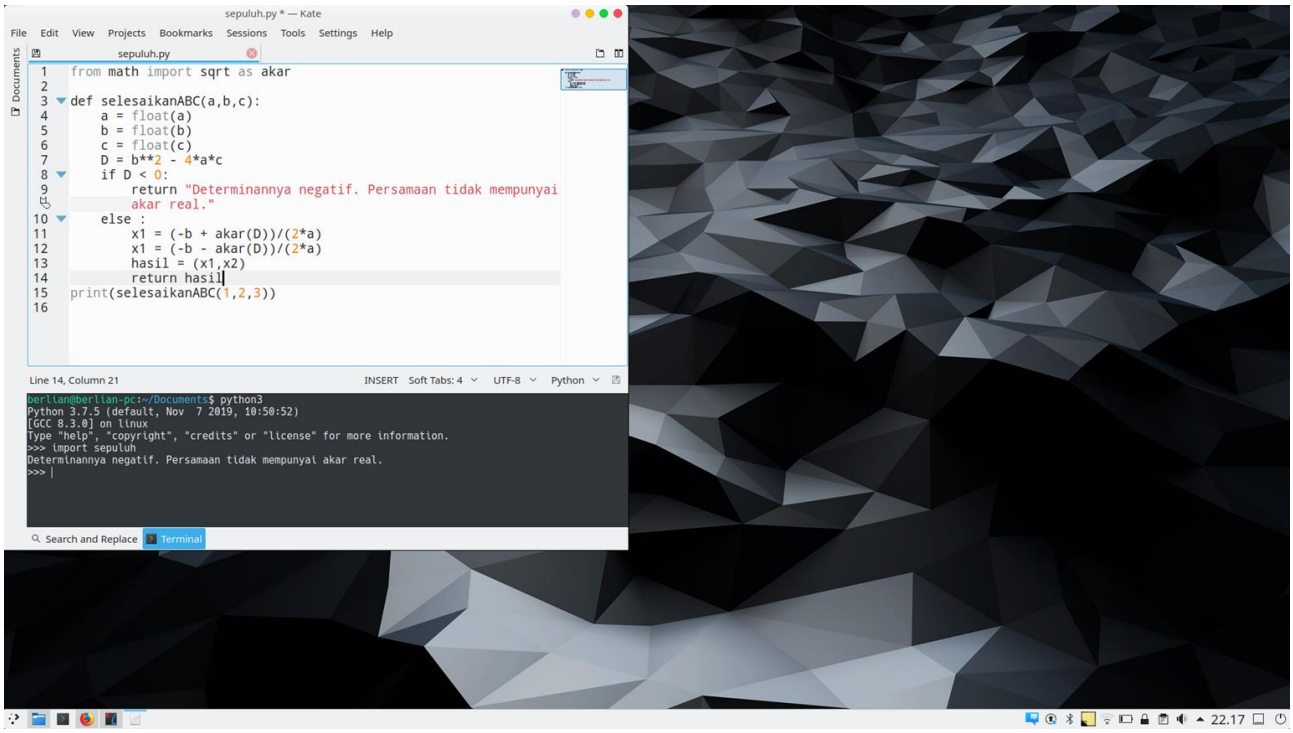

kelima.py — Kate
File Edit View Projects Bookmarks Sessions Tools Settings Help
kelima.py
Documents
1 from math import sqrt as sq
2 def apakahPrima(n):
3 n = int(n)
4 assert n>=0
5 primaKecil = [2,3,5,7,11]
6 bukanPrKecil = [0,1,4,6,8,9,10]
7 if n in primaKecil:
8 return True
9 elif n in bukanPrKecil:
10 return False
11 else :
12 for i in range(2,int(sq(n))+1):
13 if (n % i) == 0:
14 print(n, "bukan bilangan prima")
15 break
16 else:
17 print(n,"adalah bilangan prima")
18 apakahPrima(17)
19 apakahPrima(97)
20 apakahPrima(123)
Line 1, Column 1
INSERT Soft Tabs: 4 UTF-8 Python
berlian@berlian-pc:~/Documents$ python3
Python 3.7.5 (default, Nov 7 2019, 10:50:52)
[GCC 8.3.0] on linux
Type "help", "copyright", "credits" or "license" for more information.
>>> import kelima
17 adalah bilangan prima
97 adalah bilangan prima
123 bukan bilangan prima
>>>
Search and Replace
Terminal
22.11

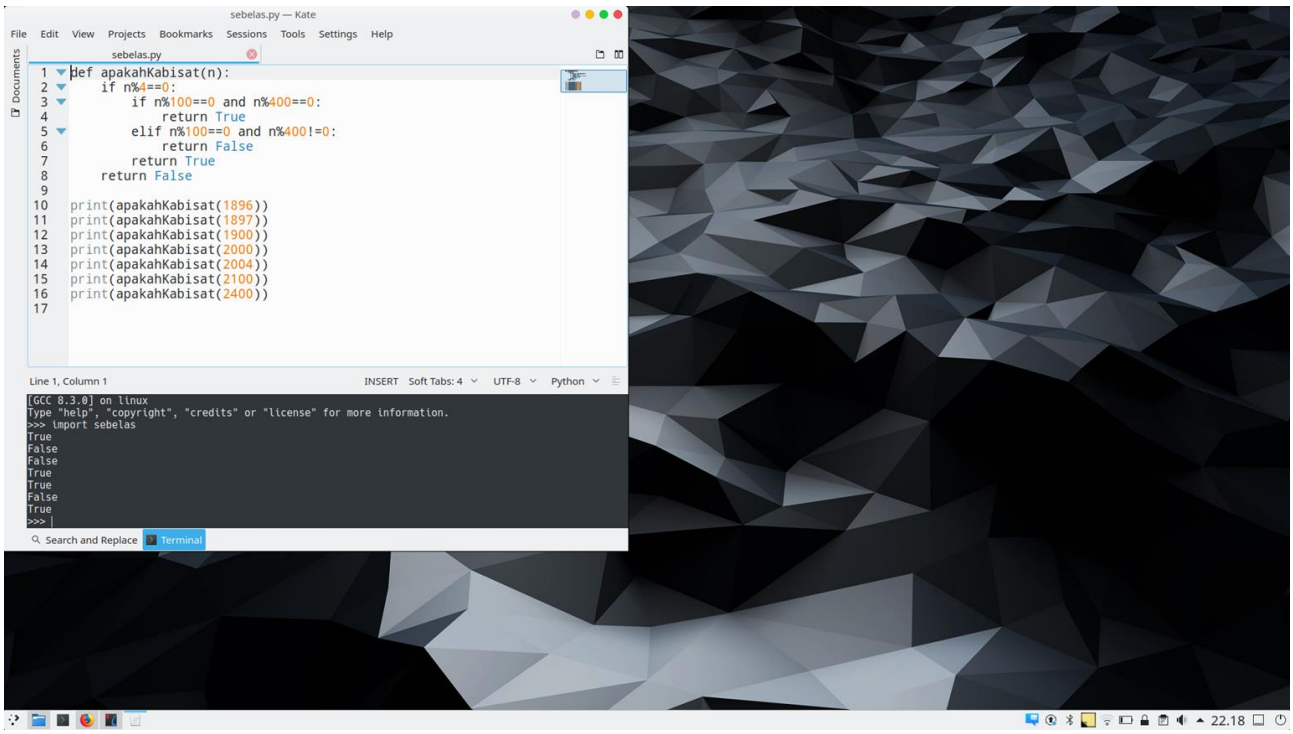

keenam.py * — Kate
File Edit View Projects Bookmarks Sessions Tools Settings Help
keenam.py
Documents
1 from math import sqrt as sq
2 def apakahPrima(n):
3 n = int (n)
4 assert n>=0
5 primaKecil = [2,3,5,7,11]
6 bukanPrKecil = [0,1,4,6,8,9,10]
7 if n in primaKecil:
8 return True
9 elif n in bukanPrKecil:
10 return False
11 else :
12 for i in range(2, int(sq(n))+1):
13 if n%i== 0:
14 return False
15 break
16 else:
17 return True
18
19 for i in range(2,1001):
20 print (str(i)+" "+str(apakahPrima(i)))
Line 1, Column 1
INSERT Soft Tabs: 4 UTF-8 Python
991 True
992 False
993 True
994 False
995 True
996 False
997 True
998 False
999 True
1000 False
>>>
Search and Replace
Terminal
22.12

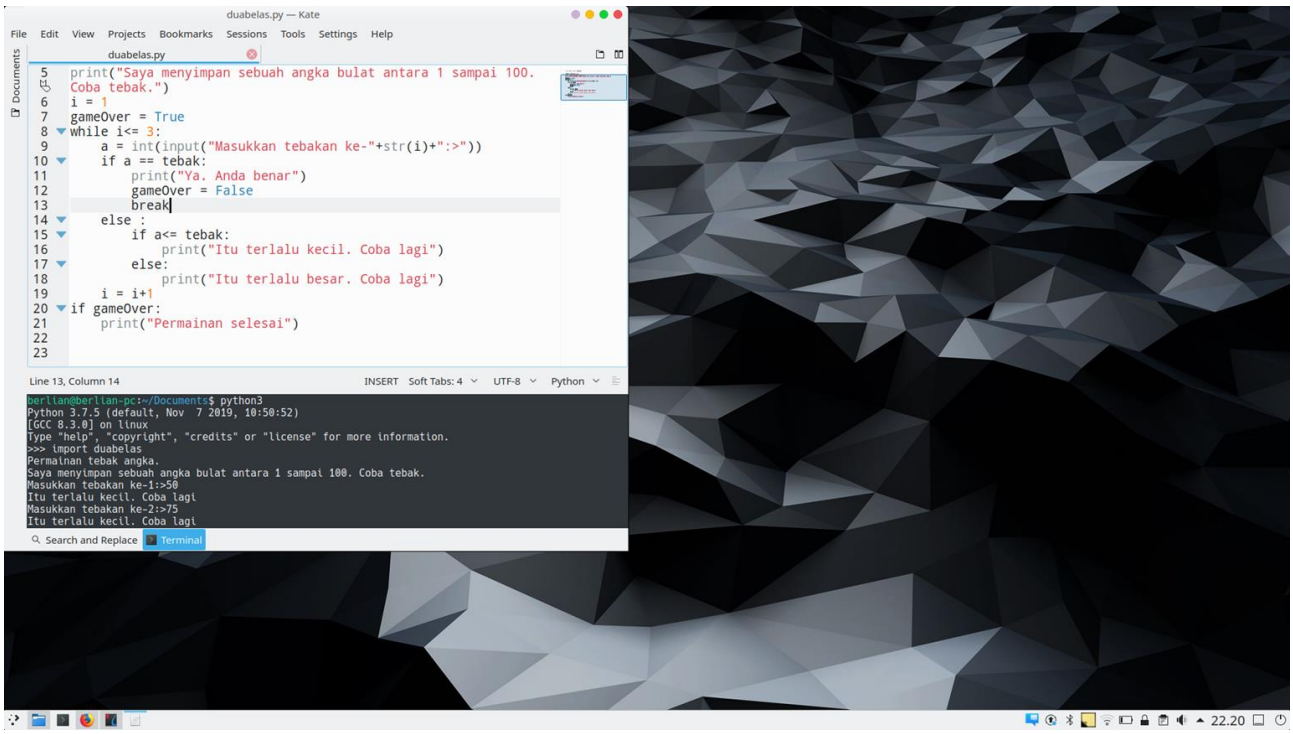

ketujuh.py — Kate
File Edit View Projects Bookmarks Sessions Tools Settings Help
Documents
ketujuh.py
def faktorPrima(n):
p = []
a = 2
while a<=n:
if n%a==0:
n/=a
p.append(a)
else:
a+=1
print(p)
faktorPrima(10)
faktorPrima(120)
faktorPrima(19)
Line 1, Column 1
INSERT Soft Tabs: 4 UTF-8 Python
berlian@berlian-pc:~/Documents$ python3
Python 3.7.5 (default, Nov 7 2019, 10:50:52)
[GCC 8.3.0] on linux
Type "help", "copyright", "credits" or "license" for more information.
>>> import ketujuh
[2, 5]
[2, 2, 2, 3, 5]
[19]
>>>
Search and Replace
Terminal
22.13

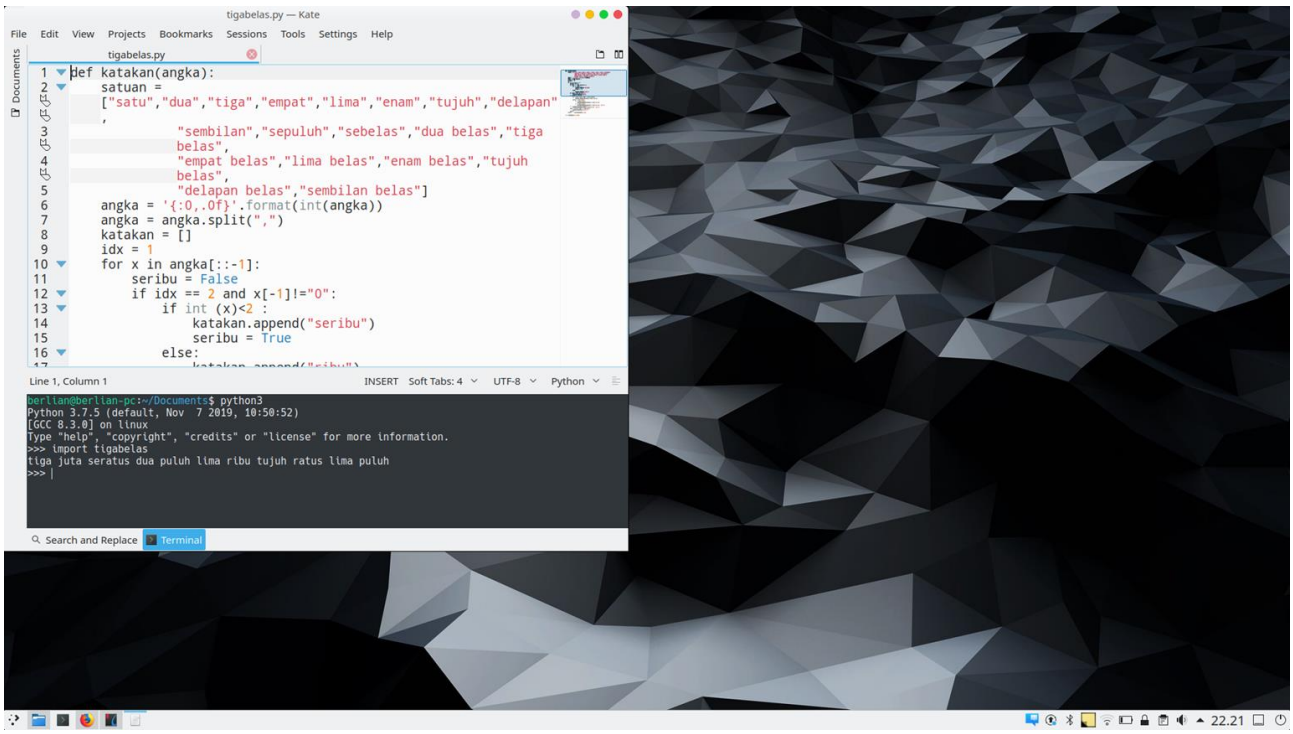

kedelapan.py * — Kate
File Edit View Projects Bookmarks Sessions Tools Settings Help
Documents
kedelapan.py
def apakahTerkandung(a,b):
return a in b
h = "do"
k = "Indonesia tanah air beta"
print(apakahTerkandung(h,k))
print(apakahTerkandung("pusaka",k))
Line 1, Column 1
OVERWRITE Soft Tabs: 4 UTF-8 Python
berlian@berlian-pc:~/Documents$ python3
Python 3.7.5 (default, Nov 7 2019, 10:50:52)
[GCC 8.3.0] on linux
Type "help", "copyright", "credits" or "license" for more information.
>>> import kedelapan
True
False
>>>
Search and Replace
Terminal
22.15

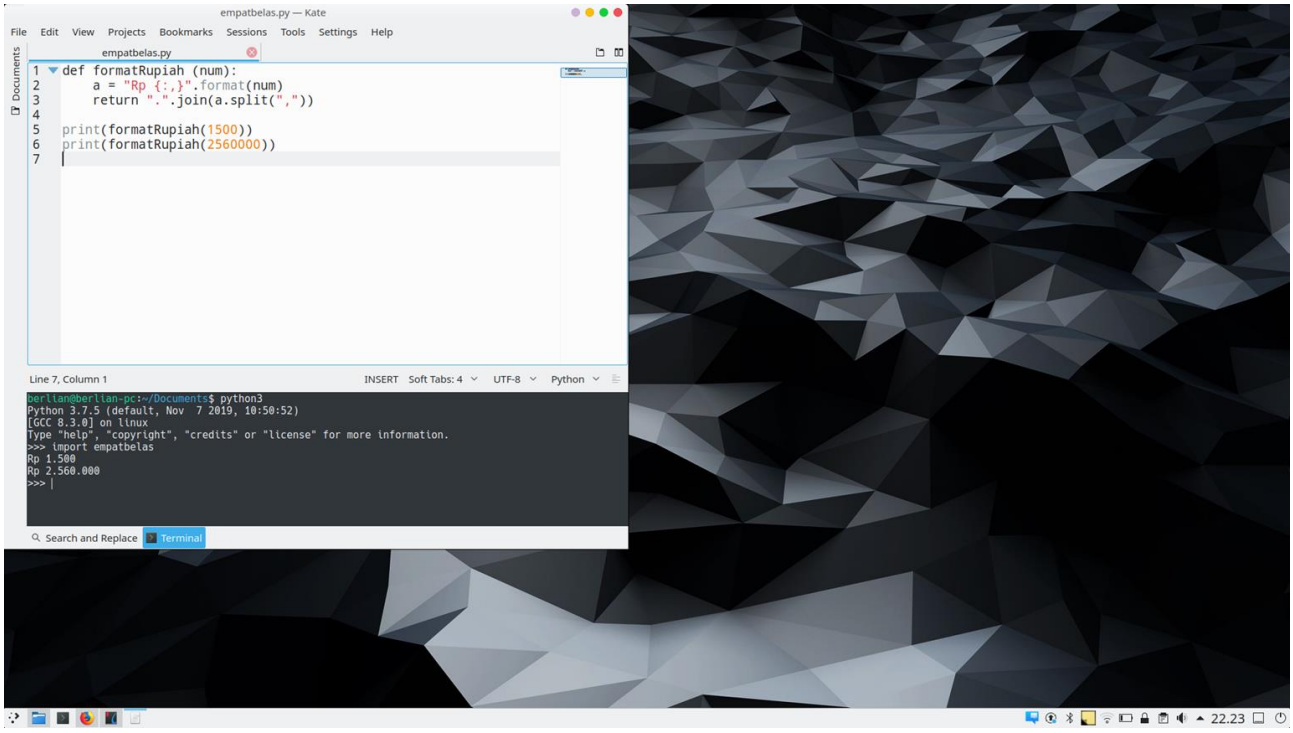

sembilan.py * — Kate
File Edit View Projects Bookmarks Sessions Tools Settings Help
Documents
sembilan.py
for i in range (1,101):
if i%3==0 and i%5==0:
print("Python UMS")
elif i%3==0:
print("Python")
elif i%5==0:
print("UMS")
else :
print(i)
Line 1, Column 1
INSERT Soft Tabs: 4 UTF-8 Python
91
92
Python
94
UMS
Python
97
98
Python
UMS
>>>
Search and Replace
Terminal
22.16


sepuluh.py * — Kate
File Edit View Projects Bookmarks Sessions Tools Settings Help
Documents
sepuluh.py
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 "Determinannya negatif. Persamaan tidak mempunyai
akar real."
else :
x1 = (-b + akar(D))/(2*a)
x1 = (-b - akar(D))/(2*a)
hasil = (x1,x2)
return hasil
print(selesaikanABC(1,2,3))
Line 14, Column 21
INSERT Soft Tabs: 4 UTF-8 Python
berlian@berlian-pc:~/Documents$ python3
Python 3.7.5 (default, Nov 7 2019, 10:50:52)
[GCC 8.3.0] on linux
Type "help", "copyright", "credits" or "license" for more information.
>>> import sepuluh
Determinannya negatif. Persamaan tidak mempunyai akar real.
>>>
Search and Replace
Terminal
22.17


sebelas.py — Kate
File Edit View Projects Bookmarks Sessions Tools Settings Help
Documents
sebelas.py
def apakahKabisat(n):
if n%4==0:
if n%100==0 and n%400==0:
return True
elif n%100==0 and n%400!=0:
return False
return True
return False
print(apakahKabisat(1896))
print(apakahKabisat(1897))
print(apakahKabisat(1900))
print(apakahKabisat(2000))
print(apakahKabisat(2004))
print(apakahKabisat(2100))
print(apakahKabisat(2400))
Line 1, Column 1
INSERT Soft Tabs: 4 UTF-8 Python
[GCC 8.3.0] on linux
Type "help", "copyright", "credits" or "license" for more information.
>>> import sebelas
True
False
False
True
True
False
True
>>>
Search and Replace
Terminal
22.18


duabelas.py — Kate
File Edit View Projects Bookmarks Sessions Tools Settings Help
Documents
duabelas.py
print("Saya menyimpan sebuah angka bulat antara 1 sampai 100.
Coba tebak.")
i = 1
gameOver = True
while i<= 3:
a = int(input("Masukkan tebakan ke-"+str(i)+":>"))
if a == tebak:
print("Ya. Anda benar")
gameOver = False
break
else :
if a<= tebak:
print("Itu terlalu kecil. Coba lagi")
else:
print("Itu terlalu besar. Coba lagi")
i = i+1
if gameOver:
print("Permainan selesai")
Line 13, Column 14
INSERT Soft Tabs: 4 UTF-8 Python
berlian@berlian-pc:~/Documents$ python3
Python 3.7.5 (default, Nov 7 2019, 10:50:52)
[GCC 8.3.0] on linux
Type "help", "copyright", "credits" or "license" for more information.
>>> import duabelas
Permainan tebak angka.
Saya menyimpan sebuah angka bulat antara 1 sampai 100. Coba tebak.
Masukkan tebakan ke-1:>50
Itu terlalu kecil. Coba lagi
Masukkan tebakan ke-2:>75
Itu terlalu kecil. Coba lagi
Search and Replace
Terminal
22.20


tigabelas.py — Kate
File Edit View Projects Bookmarks Sessions Tools Settings Help
Documents
tigabelas.py
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:
Line 1, Column 1
INSERT Soft Tabs: 4 UTF-8 Python
berlian@berlian-pc:~/Documents$ python3
Python 3.7.5 (default, Nov 7 2019, 10:50:52)
[GCC 8.3.0] on linux
Type "help", "copyright", "credits" or "license" for more information.
>>> import tigabelas
tiga juta seratus dua puluh lima ribu tujuh ratus lima puluh
>>>
Search and Replace
Terminal
22.21


empatbelas.py — Kate
File Edit View Projects Bookmarks Sessions Tools Settings Help
Documents
empatbelas.py
def formatRupiah (num):
a = "Rp {:,}".format(num)
return ".".join(a.split(","))
print(formatRupiah(1500))
print(formatRupiah(2560000))
Line 7, Column 1
INSERT Soft Tabs: 4 UTF-8 Python
berlian@berlian-pc:~/Documents$ python3
Python 3.7.5 (default, Nov 7 2019, 10:50:52)
[GCC 8.3.0] on linux
Type "help", "copyright", "credits" or "license" for more information.
>>> import empatbelas
Rp 1.500
Rp 2.560.000
>>>
Search and Replace
Terminal
22.23