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Modul:1

```
Python + ∨ □ 🛍
 TERMINAL
                                  no1.py
                                              ×
                                   F: > KULIAH > PRAK ASD > ♦ no1.py > ♦ cetakSiku
PS C:\Users\kevin> & C:/Users/k
                                         def cetakSiku(x):
evin/AppData/Local/Programs/Pyt
                                             string=""
hon/Python310/python.exe "f:/KU
                                             bar = 1
                                             while bar <= x:
***
                                                  kolom = bar
****
                                                  while kolom > 0:
PS C:\Users\kevin>
                                                      string = string + "*"
                                                      kolom = kolom - 1
                                                  string = string + "\n"
                                                  bar = bar +1
                                             print(string)
                                         cetakSiku(5)
```

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TERMINAL
                                 no1.py
                                                           ×
                                                                no3.py
                                                no2.py
                                 F: > KULIAH > PRAK ASD > 🕏 no2.py > 🛇 gambarlahPers
PS C:\Users\kevin> & C:/Users/k
                                        def gambarlahPersegiEmpat(x,y):
evin/AppData/Local/Programs/Pyt
                                            for i in range(x):
hon/Python310/python.exe "f:/KU
                                                if i==0 or i==x-1:
LIAH/PRAK ASD/no2.py"
#####
                                                    print("#"*y)
   #
                                                else:
   #
                                                    print("#"+" "*(y-2)+"#")
#####
PS C:\Users\kevin>
                                        gambarlahPersegiEmpat(4,5)
```

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TER... ▶ Python + ∨ Ⅲ 🛍
                              no3.py
                               F: > KULIAH > PRAK ASD > 🕏 no3.py > ...
PS C:\Users\kevin> & C:/Use
                                      def jumlahHurufVokal(a):
rs/kevin/AppData/Local/Prog
                                          vokal = "AIUEOaiueo"
rams/Python/Python310/pytho
n.exe "f:/KULIAH/PRAK ASD/n
                                          jumVokal=0
                                          hasil = 0
(3, 2)
PS C:\Users\kevin>
                                          for cha in a:
                                              if cha in vokal:
                                                  jumVokal+=len(cha)
                                              else:
                                                  jumVokal+=0
                                          hasil = len(a),jumVokal
                                          return hasil
                                15
                                      print(jumlahHurufVokal("aku"))
```

### No 3B

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₱ no4.py > ...

PS F:\KULIAH\PRAK ASD> & C:/Users/kevin/AppData/L
ocal/Programs/Python/Python310/python.exe "f:/KUL
                                                       \square
                                                                     def rerata(x):
                                                                          jumlah = 0
                                                       \square
(4, 2)
                                                                          for i in range(len(x)):
PS F:\KULIAH\PRAK ASD> & C:/Users/kevin/AppData/L
                                                                               jumlah += x[i]
ocal/Programs/Python/Python310/python.exe "f:/KUL
                                                                          jumlah = jumlah/len(x)
3.0
                                                                          return jumlah
PS F:\KULIAH\PRAK ASD> [
                                                                     print(rerata([1,2,3,4,5]))
                                                                 8
```

```
PS F:\KULIAH\PRAK ASD> & C:\Users\kevin/AppData/L
coal\Programs\Python\Python\Python\Python.exe
"f:\kul
IAH\PRAK ASD\nos.py"
True
PS F:\KULIAH\PRAK ASD> []

def apakahPrima(n):
n = int(n) # Kalau pecahan, dibuang pecahannya.
assert n>=0 # Hanya menerima bilangan non-negatif.
primaKecil = [2,3,5,7,11] # Kalau angkanya kecil, akan
bukanPrKecil = [0,1,4,6,8,9,10] # tertangkap di sini.
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 True

print(apakahPrima(17))
```

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                                                                 🕏 no6.py > ...
PS F:\KULIAH\PRAK ASD> & C:/Users/kevin/AppData/L
ocal/Programs/Python/Python310/python.exe "f:/KUL
                                                                        def bilanganPrima(x):
                                                         习
IAH/PRAK ASD/no5.py'
                                                                             for i in range(2,x):
                                                         \triangleright
True
                                                                                 prima = True
PS F:\KULIAH\PRAK ASD> & C:/Users/kevin/AppData/L
                                                                                  for j in range(2,i):
ocal/Programs/Python/Python310/python.exe "f:/KUL
                                                                                      if(i%j==0):
                                                                                           prima=False
2
3
5
7
                                                                                  if(prima):
                                                                                      print(i)
                                                                   9
                                                                        print(bilanganPrima(100))
11
13
17
19
23
29
31
37
41
43
47
53
59
61
67
71
73
79
83
89
97
None
PS F:\KULIAH\PRAK ASD> []
```

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N
                                                                🕏 no7.py > 🤯 faktorisasiprima
PS F:\KULIAH\PRAK ASD> & C:/Users/kevin/AppData/L
                                                                       def faktorisasiprima(x):
ocal/Programs/Python/Python310/python.exe "f:/KUL
                                                        \mathbf{\Sigma}
                                                        \square
[2, 5]
                                                                           factorlist=[]
PS F:\KULIAH\PRAK ASD> []
                                                                           loop=2
                                                                           while loop<=x:
                                                                                if x%loop==0:
                                                                                    x/=loop
                                                                                    factorlist.append(loop)
                                                                               else:
                                                                                    loop+=1
                                                                           return factorlist
                                                                 12
                                                                       print(faktorisasiprima(10))
```

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₱ no9.py > ...

PS F:\KULIAH\PRAK ASD> & C:/Users/kevin/AppData/L
ocal/Programs/Python/Python310/python.exe "f:/KUL
                                                                     def kelipatan(a):
                                                      \square
                                                                         for i in range(a):
                                                      习
1
                                                                              if(i<=0):
2
Python
                                                                             elif(i%3==0 and i%5==0):
                                                                                  print("Python UMS")
UMS
Python
                                                                             elif(i%3==0):
                                                                                  print("Python")
8
                                                                             elif(i%5==0):
Python
                                                                                  print("UMS")
None
                                                                              else:
PS F:\KULIAH\PRAK ASD> [
                                                                                  print(i)
                                                               14
                                                                     print(kelipatan(10))
```

```
PS F:\KULIAH\PRAK ASD> & C:\Users\kevin\AppDat a\langle Local\text{Programs}\text{Python}\text{Python}\text{Python}\text{10\text{python}\text{2}\text{odf}\text{ sol} = 0 \\

Sol = \text{0}\text{ sol} = \text{0}\\

Sol = \text{0}\text{ sol} = \tex
```

### No 11

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    no11.py > ...

PS F:\KULIAH\PRAK ASD> & C:/Users/kevin/AppData/L
ocal/Programs/Python/Python310/python.exe "f:/KUL
                                                                   def apakahKabisat(tahun):
                                                     \square
                                                                       hasil = False
                                                                       if(tahun%4==0 and tahun%100!=0 and tahun%400!=0):
PS F:\KULIAH\PRAK ASD>
                                                                            hasil =True
                                                                       elif(tahun%100!=0 and tahun%400!=0):
                                                                           hasil = False
                                                                       elif(tahun%400!=0):
                                                                           hasil = True
                                                                           hasil = False
                                                                       return hasil
                                                                   print(apakahKabisat(1896))
```

```
no12.py > 🕅 tebak
PS F:\KULIAH\PRAK ASD> & C:/Users/kevin/AppData/L
ocal/Programs/Python/Python310/python.exe "f:/KUL
                                                      \square
                                                                    import random
                                                                    def tebak():
masukan tebakan ke- 1:>10
                                                                        x = random.randrange(1,101)
Itu terlalu kecil.Coba lagi
masukan tebakan ke- 2:>20
                                                                        b = -1
                                                                        n =0
Itu terlalu kecil.Coba lagi
masukan tebakan ke- 3:>30
Itu terlalu kecil.Coba lagi
                                                                         while x != b:
masukan tebakan ke- 4:>40
                                                                             n += 1
itu terlalu besar.Coba lagi
                                                                             b = int(input("masukan tebakan ke- "+str(n)+":>"))
masukan tebakan ke- 5:>100
                                                              10
itu terlalu besar.Coba lagi
                                                                             if b<x:
masukan tebakan ke- 6:>60
itu terlalu besar.Coba lagi
                                                                                  print('Itu terlalu kecil.Coba lagi')
masukan tebakan ke- 7:>
                                                                             elif b>x:
                                                                                 print("itu terlalu besar.Coba lagi")
                                                                                  print("Anda benar")
                                                                                  break
                                                                    tebak()
```

```
PS F:\KULIAH\PRAK ASD> & C:\Users/kevin/AppDat a/Local/Programs/Python/Python310/python.exe "f:\KULIAH\PRAK ASD/no13.py"
                                                                        def Terbilang(angka):
    x=["","Satu","Dua","Tiga","Empat","Lima","Enam","Tujuh","Delapan","Sembilan","Sepuluh","Sebelas"]
Dua Puluh Tiga Ribu
PS F:\KULIAH\PRAK ASD>
                                                                             Hasil="
                                                                             n = int(angka)
                                                                             if n >= 0 and n <= 11:
Hasil = Hasil + x[n]
                                                                             elif n < 20:

Hasil = Terbilang(n%10) + " Belas"
                                                                                 Hasil = Terbilang(n/10) + " Puluh"+Terbilang(n%100)
                                                                             elif n < 200:

Hasil = "Seratus"+Terbilang(n-100)
                                                                                 Hasil = Terbilang(n/100) + " Ratus"+Terbilang(n%100)
                                                                             elif n < 2000:
Hasil = "Seribu"+Terbilang(n-1000)
                                                                             elif n < 10000:
                                                                                 Hasil = Terbilang(n/1000) + " Ribu"+Terbilang(n%1000)
                                                                             elif n < 20000:

Hasil = "Sepuluh Ribu"+Terbilang(n-10000)
                                                                             elif n < 100000:
                                                                                 Hasil = Terbilang(n/10000) + " Puluh"+Terbilang(n%10000)
                                                                             elif n < 200000:
Hasil = "Seratus"+Terbilang(n-100000)
                                                                             elif n < 1000000:
                                                                                 Hasil = Terbilang(n/100000) + " Ratus"+Terbilang(n%100000)
                                                                             elif n < 2000000:
                                                                               Hasil = "Satu juta"+Terbilang(n-1000000)
                                                                             elif n < 10000000
                                                                                 Hasil = Terbilang(n/1000000) + " Juta"+Terbilang(n%1000000)
                                                                             elif n == 10000000:
                                                                                 Hasil ="Satu Milyar"+Terbilang(n%10000000)
                                                                             return Hasil
                                                                        print(Terbilang(23000))
```

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D
                                                        no14.py > ...
PS F:\KULIAH\PRAK ASD> & C:/Users/kevin/AppDat
                                                              def formatrupiah(uang):
a/Local/Programs/Python/Python310/python.exe
                                                 D
                                                                  x = str(uang)
                                                 D
Rp 2.000.000
                                                                  if len(x) \leftarrow 3:
PS F:\KULIAH\PRAK ASD>
                                                                      p = x[-3:]
                                                                      q = x[:-3]
                                                                      return formatrupiah(q) + '.' + p
                                                                      print('Rp ' + formatrupiah(q) + '.' + p)
                                                         11
                                                              print(formatrupiah(2000000))
```