Nama: Anggit Astriani NIM: L200180111

MODUL 1

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Modul_1.py - C:\Python27\Modul_1.py (2.7.15)
File Edit Format Run Options Window Help
def cetakSiku(x): #Nomor 1
    for a in range(x):
       print((a+1)*"*")
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                                 Python 2.7.15 Shell
File Edit Shell Debug Options Window Help
Python 2.7.15 (v2.7.15:ca079a3ea3, Apr 30 2018, 16:30:26) [MSC v.1500 64 bit (AM
D64)] on win32
Type "copyright", "credits" or "license()" for more information.
======== RESTART: C:\Python27\Modul_1.py ============
>>> cetakSiku(5)
**
***
****
>>>
                                                                         Ln: 11 Col: 4
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Modul_1.py - C:\Python27\Modul_1.py (2.7.15)
File Edit Format Run Options Window Help
def gambarlahPersegiEmpat(a,b): #Nomor2
   for i in range(a):
       if(i==0):
          print (b*"@")
       elif(i==a-1):
          print (b*"@")
       else:
           print("@" + " " * (b-2) + "@")
                                                                 _ _
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                              Python 2.7.15 Shell
File Edit Shell Debug Options Window Help
Python 2.7.15 (v2.7.15:ca079a3ea3, Apr 30 2018, 16:30:26) [MSC v.1500 64 bit (AM
D64) 1 on win32
Type "copyright", "credits" or "license()" for more information.
>>> gambarlahPersegiEmpat(4,5)
00000
   @
00000
>>>
                                                                  Ln: 10 Col: 4
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Nomor 3a

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                     Modul_1.py - C:\Pyth
                                                                         Python 2.7.15 Shell
File Edit Format Run Options Window Help
                                        File Edit Shell Debug Options Window Help
def jumlahHurufVokal(x): #Nomor3 a
                                        Python 2.7.15 (v2.7.15:ca079a3ea3, Apr 30 2018, 16:30:26) [MSC v.1500 64 bit (A 🔼
   vokal = "aiueoAIUEO"
                                        MD64)] on win32
   a = 0
                                        Type "copyright", "credits" or "license()" for more information.
   hasil = 0
                                                    ====== RESTART: C:\Python27\Modul_1.py =====
                                        >>> k = jumlahHurufVokal('Surakarta')
   for i in x:
      if i in vokal:
                                        >>> k
                                        (9, 4)
   hasil = len(x), a
                                        >>>
   return hasil
                                                                                                                 Ln: 8 Col: 4
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Nomor 3b

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                   Modul_1.py - C:\Pyt
                                                                 Python 2.7.15 Shell
File Edit Format Run Options Window Help
                                   File Edit Shell Debug Options Window Help
                                   Python 2.7.15 (v2.7.15:ca079a3ea3, Apr 30 2018, 16:30:26) [MSC v.1500 64 bit (AM 🕒
def jumlahHurufKonsonan(x): #Nomor3 b
                                   D64)] on win32
                                   Type "copyright", "credits" or "license()" for more information.
   vokal = "aiueoAIUEO"
   a = 0
                                   >>>
   hasil = 0
                                   >>> k = jumlahHurufKonsonan('Surakarta')
   for i in x:
                                   >>> k
     if i in vokal:
                                   (9, 5)
   a = a+1
hasil = len(x), len(x)-a
                                   >>>
   return hasil
                                                                                                     Ln: 8 Col: 4
```

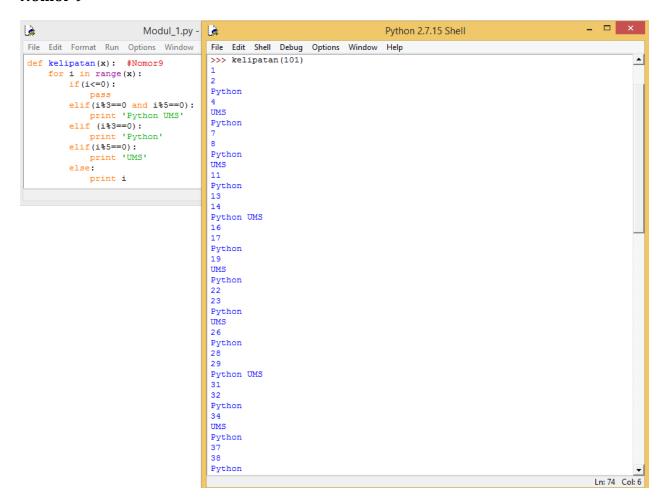
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Modul_1.py - C:\Python27\Modul_1.py (2.7.15)
File Edit Format Run Options Window Help
def rerata(b): #Nomor4
   jumlah = 0
    for i in range(len(b)):
       jumlah += b[i]
    jumlah = jumlah/len(b)
    return jumlah
                                                                        _ 🗆
                                 Python 2.7.15 Shell
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File Edit Shell Debug Options Window Help
Python 2.7.15 (v2.7.15:ca079a3ea3, Apr 30 2018, 16:30:26) [MSC v.1500 64 bit (AM 🕒
D64)] on win32
Type "copyright", "credits" or "license()" for more information.
======== RESTART: C:\Python27\Modul_1.py =============
>>> rerata([1,2,3,4,5])
>>> g = [3,4,5,4,3,4,2,2,10,11,23]
>>> rerata(g)
>>>
                                                                         Ln: 10 Col: 4
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                     Modul_1.py - C:\Python27\Modul_1.py (2.7.15)
File Edit Format Run Options Window Help
from math import sqrt as sq #Nomor5
def apakahPrima(n):
   n = int(n)
   assert n>=0
    primaKecil = [2,3,5,7,9,11]
    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
                                                                  _ _ |
B.
                               Python 2.7.15 Shell
File Edit Shell Debug Options Window Help
Python 2.7.15 (v2.7.15:ca079a3ea3, Apr 30 2018, 16:30:26) [MSC v.1500 64 bit (AM
D64)] on win32
Type "copyright", "credits" or "license()" for more information.
>>> apakahPrima(17)
True
>>> apakahPrima(97)
True
>>> apakahPrima(123)
False
>>>
                                                                    Ln: 8 Col: 4
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                       Modul_1.py - C:\Pyth
                                                                                Python 2.7.15 Shell
File Edit Format Run Options Window Help
                                            File Edit Shell Debug Options Window Help
                                            Python 2.7.15 (v2.7.15:ca079a3ea3, Apr 30 2018, 16:30:26) [MSC v.1500 64 bit (AM 📥
                                            D64)] on win32
def bilanganPrima(n): #Nomor6
                                            Type "copyright", "credits" or "license()" for more information.
    bawah = 2
atas = 1000
                                            >>> bilanganPrima(1000)
     if(bawah >= 1 and atas > 1):
    for i in range(bawah, atas):
            prima = True
for j in range(2,i):
                                            7
11
13
17
                 if(i%j==0):
             prima=False
if(prima == True):
    print(i)
                                            19
                                            23
29
31
         print("Bukan Bilangan Prima")
                                            41
                                            43
47
53
                                            59
                                            61
                                            67
71
73
                                            79
                                            83
                                            89
97
                                            101
                                            103
                                            107
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                      Modul_1.py - C:\Pyth
                                                                             Python 2.7.15 Shell
File Edit Format Run Options Window Help
                                          File Edit Shell Debug Options Window Help
                                          Python 2.7.15 (v2.7.15:ca079a3ea3, Apr 30 2018, 16:30:26) [MSC v.1500 64 bit (AM
def faktorPrima(x): #nomor7
                                          D64)] on win32
    bilanganList = []
                                          Type "copyright", "credits" or "license()" for more information.
   loop = 2
while loop <= x:</pre>
                                          >>>
                                                             ==== RESTART: C:\Python27\Modul_1.py =======
       if x % loop == 0:
                                          >>> faktorPrima(10)
           x /= loop
            bilanganList.append(loop)
                                          >>> faktorPrima(120)
                                          [2, 2, 2, 3, 5] >>> faktorPrima(19)
            loop += 1
    return bilanganList
                                          [19]
                                          >>>
                                                                                                                       Ln: 11 Col: 4
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Modul_1.py - C:\Python27\Modul_1.py (2.7.15)
File Edit Format Run Options Window Help
from math import sqrt as detr #Nomor10
def selesaikanABC(a,b,c):
   a = float(a)
    b = float(b)
    c = float(c)
    D = float(b*2 - 4*a*c)
    if(D < 0):
        hasil = "Determinan negatif, persamaan tidak mempunyai akar real"
    else:
       x1 = (-b + detr(D)) / (2*a)
        x2 = (-b + detr(D)) / (2*a)
        return hasil
                                                                                       - □ ×
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                                         Python 2.7.15 Shell
File Edit Shell Debug Options Window Help
Python 2.7.15 (v2.7.15:ca079a3ea3, Apr 30 2018, 16:30:26) [MSC v.1500 64 bit (AMD64)] on win32
Type "copyright", "credits" or "license()" for more information.
>>>
           ===== RESTART: C:\Python27\Modul_1.py ====
>>> selesaikanABC(1,2,3)
'Determinan negatif, persamaan tidak mempunyai akar real'
                                                                                          Ln: 7 Col: 4
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                              Modul_1.py - C:\Python27\Modul_1.py (2.7.15)
File Edit Format Run Options Window Help
def apakahKabisat(tahun): #Nomor11
    hasil = False
    if(tahun%4==0 and tahun%100!=0 and tahun%400!=0):
        hasil = True
    elif(tahun%100==0 and tahun%400!=0):
       hasil = False
    elif(tahun%400==0):
       hasil = True
    else:
       hasil = False
    return hasil
                                                                                        Ln: 153 Col: 16
   ======= RESTART: C:\Python27\Modul 1.py ======
>>> apakahKabisat (1896)
>>> apakahKabisat(1897)
>>> apakahKabisat(1900)
>>> apakahKabisat(2000)
>>> apakahKabisat(2004)
>>> apakahKabisat(2100)
>>> apakahKabisat(2400)
True
>>>
                                                                                         Ln: 15 Col: 0
```

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*Modul_1.py - C:\Python27\Modul_1.py (2.7.15)*
File Edit Format Run Options Window Help
def tebak():
    a = random.randrange(1,101,1)
    b = -1
    n = 0
    print("Permainan Tebak Angka")
    print ("Saya Menyimpan Sebuah Angka Bulat antara 1 sampai 100. Coba Tebak.")
    while(a != b):
       n = n + 1
       b = int(input("Masukkan Tebakan ke- " + str(n) + ":> "))
           print("Itu Terlalu Kecil. Coba lagi")
        elif(b > a):
           print ("Itu Terlalu Besar. Coba lagi")
            print("Ya. Anda Benar.")
           break
                                                                      a
                                Python 2.7.15 Shell
File Edit Shell Debug Options Window Help
Python 2.7.15 (v2.7.15:ca079a3ea3, Apr 30 2018, 16:30:26) [MSC v.1500 64 bit (AM
D64)1 on win32
Type "copyright", "credits" or "license()" for more information.
>>>
>>> tebak()
Permainan Tebak Angka
Saya Menyimpan Sebuah Angka Bulat antara 1 sampai 100. Coba Tebak.
Masukkan Tebakan ke- 1:> 78
Itu Terlalu Besar. Coba lagi
Masukkan Tebakan ke- 2:> 50
Itu Terlalu Kecil. Coba lagi
Masukkan Tebakan ke- 3:> 65
Itu Terlalu Besar. Coba lagi
Masukkan Tebakan ke- 4:> 60
Itu Terlalu Besar. Coba lagi
Masukkan Tebakan ke- 5:> 58
Itu Terlalu Kecil. Coba lagi
Masukkan Tebakan ke- 6:> 59
Ya. Anda Benar.
>>>
```

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                        Modul_1.py - C:\Python27\Modul_1.py (2.7.15)
File Edit Format Run Options Window Help
                                                                                     D64)1 on win32
                                                                                      Type "copyright", "credits" or "license()" for more information.
                                                                                                            === RESTART: C:\Python27\Modul_1.py ==
    n = int(bilangan)
if(n>=0 and n<=11):
Hasil = Hasil + angka[n]
                                                                                      >>> katakan(3125750)
                                                                                      ' Tigas Juta Seratus Dua Puluh Lima Ribu Tujuh Ratus Lima Puluh '
    elif(n < 20):
    Hasil = katakan(n$10) + " Belas"
elif(n < 100):
    Hasil = katakan(n/10) + " Puluh" + katakan(n$10)
    elif(n < 200):
Hasil = " Seratus" + katakan(n-100)
        Hasil = katakan(n/100) + " Ratus" + katakan(n%100)
    elif (n < 2000):
    Hasil = " Seribu" + katakan (n-1000)
    elif(n < 10000):
Hasil = katakan(n/1000) + "Ribu" + katakan(n%1000)
elif(n < 20000):
        Hasil = " Sepuluh Ribu" + katakan(n-10000)
    elif(n < 100000):

Hasil = katakan(n/10000) + " Puluh" + katakan(n%10000)
    elif(n < 200000):
         Hasil = " Seratus" + katakan(n-100000)
    elif(n < 1000000):

Hasil = katakan(n/100000) + " Ratus" + katakan(n%100000)

elif(n < 2000000):

Hasil = " Satu Juta" + katakan(n-1000000)
    elif(n < 10000000):
Hasil = katakan(n/1000000) + " Juta" + katakan(n%1000000)
    | Rasil = Augustus | Rasil = " Satu Milyar" + katakan(n-1000000)
         ::
Hasil = "Angka hanya sampai satu milyar"
```

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Modul_1.py - C:\Python27\Modul_1.py (2.7.15)
File Edit Format Run Options Window Help
def formatRupiah(bilangan): #Nomor14
    a = str(bilangan)
    if(len(a) \ll 3):
       return "Rp " + a
    else:
       y = a[-3:]
       z = a[:-3]
       return formatRupiah(z) + "." + y
       print "Rp " + formatRupiah(z) + "." + y
                                                                     à
                               Python 2.7.15 Shell
File Edit Shell Debug Options Window Help
Python 2.7.15 (v2.7.15:ca079a3ea3, Apr 30 2018, 16:30:26) [MSC v.1500 64 bit (AM 📥
D64)] on win32
Type "copyright", "credits" or "license()" for more information.
>>> formatRupiah(1500)
'Rp 1.500'
>>> formatRupiah (2560000)
'Rp 2.560.000'
>>>
                                                                    Ln: 9 Col: 4
```