MODUL 1

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Kelas : D

1. File Edit Format Run Options Window Help

def cetakSiku(x):
 for i in range(5):
 for j in range(i+1):
 print("*", end="")
 print()

```
File Edit Shell Debug Options Window Help

Python 3.7.2 (tags/v3.7.2:9a3ffc0492, Dec 23 2018, 22:20:52) [MSC v.1916 32 bit (Intel)] on win32

Type "help", "copyright", "credits" or "license()" for more information.

>>>

== RESTART: C:\Users\RnD\AppData\Local\Programs\Python\Python37-32\no2.py ===

>>> Persegi(4,5)
@@@@@
@ @ @
@ @ @
@@@@@

>>> |
```

3. no3a.py - C:\Users\RnD\AppData\Local\ Python 3.7.2 Shell File Edit Format Run Options Window He File Edit Shell Debug Options Window Help x="asas" Python 3.7.2 (tags/v3.7.2:9a3ffc0492, Dec 23 2018, 22:20:52) [MS def hitung(x): (Intel)] on win32 vokal = "aiueoATUEO" Type "help", "copyright", "credits" or "license()" for more info aa=0 for i in x: == RESTART: C:\Users\RnD\AppData\Local\Programs\Python\Python37if i in vokal: (9, 4) >>> aa+=1 return(len(x),aa) print (hitung("Surakarta"))

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no3b.py - C:\Users\RnD\AppData\Local\Progr
                                                                               Python 3.7.2 Shell
File Edit Format Run Options Window Help
                                            File Edit Shell Debug Options Window Help
x="asas"
                                            Python 3.7.2 (tags/v3.7.2:9a3ffc0492, Dec 23 2018, 22:20:
def hitung(x):
                                            (Intel)] on win32
    vokal = "aiueoAIUEO"
                                            Type "help", "copyright", "credits" or "license()" for mo
    aa=0
                                            >>>
                                            == RESTART: C:\Users\RnD\AppData\Local\Programs\Python\Py
    for i in x:
                                            (9.5)
        if i not in vokal:
                                            >>>
            aa+=1
    return(len(x),aa)
print(hitung("Surakarta"))
```

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       no4.py - C:\Users\RnD\AppDa
4.
                                                                     Python 3.7.2 Shell
                                   8
        File Edit Format Run Options
                                   File Edit Shell Debug Options Window Help
        x=[1.2.3.4]
                                   Python 3.7.2 (tags/v3.7.2:9a3ffc0492, Dec 23 2018, 22:20:52) [MSC v.1916
        def rerata(b):
           a = sum(b)/len(b)
                                   (Intel)] on win32
                                   Type "help", "copyright", "credits" or "license()" for more information.
           print(a)
                                   >>>
                                   === RESTART: C:\Users\RnD\AppData\Local\Programs\Python\Python37-32\no4.
                                   >>> rerata([5,10,5])
                                   6.66666666666667
                                   >>>
```

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no5.py - C:\Users\RnD\AppData\Local\Programs\Python\Py
5.
                                                                  File Edit Shell Debug Options Window Help
            File Edit Format Run Options Window Help
                                                                  Python 3.7.2 (tags/v3.7.2:9a3ffc0492, Dec 23 2018, 22:20:52)
            from math import sqrt as sq
                                                                  (Intel)] on win32
            def apakahPrima(n):
                                                                  Type "help", "copyright", "credits" or "license()" for more i
                n=int(n)
                                                                  >>>
                assert n>=0
                                                                  === RESTART: C:\Users\RnD\AppData\Local\Programs\Python\Pythc
                primakecil=[2, 3, 5, 7, 11]
                                                                  >>> apakahPrima(10)
                bukanprima=[0, 1, 4, 6, 8, 9, 10]
                                                                  False
                if n in primakecil:
                                                                  >>> apakahPrima(11)
                                                                 True
>>>
                    return True
                elif n in bukanprima:
                    return False
                else:
                    for i in range(2,int(sq(n))+1):
               return False
```

```
no6.py - C:\Users\RnD\AppData\Local\Program:
                                                                                  Python 3.7.2 Shell
File Edit Format Run Options Window Help
                                              File Edit Shell Debug Options Window Help
def prima():
                                              Python 3.7.2 (tags/v3.7.2:9a3ffc0492, Dec 23 2018, 22:20:52) [MSC
     for i in range (2,1000,1):
                                               (Intel)] on win32
        d=2
                                              Type "help", "copyright", "credits" or "license()" for more info:
        while i%d != 0:
            if d == i-1:
                                              === RESTART: C:\Users\RnD\AppData\Local\Programs\Python\Python37-
                print(i)
             d = d+1
prima()
                                              11
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no7.py - C:\Users\RnD\AppData\Local\Progra
                                                                                          Python 3.7.2 Shell
7.
                                                       File Edit Shell Debug Options Window Help
           File Edit Format Run Options Window Help
                                                       Python 3.7.2 (tags/v3.7.2:9a3ffc0492, Dec 23 2018, 22:20:52) |
            def faktorPrima(x):
                                                       (Intel)] on win32
               faktor = []
                a = 2
                                                       Type "help", "copyright", "credits" or "license()" for more in
                                                      >>> === RESTART: C:\Users\RnD\AppData\Local\Programs\Python\Pythor
                while a <= x:
                   if x% a ==0:
                       x/=a
                                                       >>> faktorPrima(10)
                        faktor.append(a)
                                                       [2, 5]
                                                       >>> faktorPrima(12)
                    else:
                                                       [2, 2, 3]
>>>
               return faktor
```

```
8. File Edit Format Run Options Window Help

def apakahTerkandiung(a,b):
    return a in b
    print(apakahTerkandiung("abd", "abcd"))

print(apakahTerkandiung("abd", "abc"))

Edit Shell Debug Options Window Help

Python 3.7.2 (tags/v3.7.2:9a3ffc0492, Dec 23 2018, 22:20:52) [MS (Intel)] on win32

Type "help", "copyright", "credits" or "license()" for more info

>>>

== RESTART: C:\Users\RnD\AppData\Local\Programs\Python\Python37

True

False
>>>> |
```

9. no9.py - C:\Users\RnD\AppData\Local\Programs Python 3.7.2 Shell File Edit Shell Debug Options Window Help File Edit Format Run Options Window Help Python 3.7.2 (tags/v3.7.2:9a3ffc0492, Dec 23 2018, 22:20:52) [MS0 def iterasi(): (Intel)] on win32 for i in range(1,100): Type "help", "copyright", "credits" or "license()" for more info: if (i%3)!=0 and (i%5)!=0: print(i) >>> === RESTART: C:\Users\RnD\AppData\Local\Programs\Pvthon\Pvthon37else: if (i%15) == 0: print("pyton UMS")
elif (i%3)==0: python print("python") elif (i%5)==0: UMS print("UMS") python iterasi() python UMS 11 python 14 pyton UMS 16 17 python UMS python 23 python UMS 26 python 29 pyton UMS 31 32 python

```
10.
       no10.py - C:\Users\RnD\AppData\Local\Progra
                                                                                      Python 3.7.2 Shell
        File Edit Format Run Options Window Help
                                                   File Edit Shell Debug Options Window Help
        def selesaikanABC(a,b,c):
                                                   Python 3.7.2 (tags/v3.7.2:9a3ffc0492, Dec 23 2018, 22:20:52) [MSC
            a=float(a)
                                                    (Intel)] on win32
            b=float(b)
                                                   Type "help", "copyright", "credits" or "license()" for more infor
            c=float(c)
                                                   >>>
            D=(b**2)-(4*a*c)
                                                    == RESTART: C:\Users\RnD\AppData\Local\Programs\Python\Python37-3
            if D<0:
                                                   >>> selesaikanABC(1,1,2)
                return "determinan negatif"
                                                    'determinan negatif'
            return "determinan positif"
                                                   >>> selesaikanABC(2,1,2)
                                                    'determinan negatif'
                                                   >>>
```

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11. no11.py - C:\Users\RnD\AppData\Loc Python 3.7.2 Shell File Edit Format Run Options Window File Edit Shell Debug Options Window Help Python 3.7.2 (tags/v3.7.2:9a3ffc0492, Dec 23 2018, 22:20:52) [M def apakahkabisat(a): if(a%400==0): (Intel)] on win32 Type "help", "copyright", "credits" or "license()" for more inf return True if(a%100==0): == RESTART: C:\Users\RnD\AppData\Local\Programs\Python\Python37 return False if(a%4==0): >>> apakahkabisat(100) False return True return False >>> apakahkabisat(160) True >>>

```
12.
        no12.py - C:\Users\RnD\AppData\Local\Pro
                                                                                    *Python 3.7.2 Shell*
         File Edit Format Run Options Window Help
                                                 File Edit Shell Debug Options Window Help
         import random
                                                  Python 3.7.2 (tags/v3.7.2:9a3ffc0492, Dec 23 2018, 22:20:52) [MSC
         def permainan():
                                                  (Intel)] on win32
             a=random.randrange(0, 100)
                                                 Type "help", "copyright", "credits" or "license()" for more inform
             while (True):
                                                 >>>
                 b=int(input("masukan angka: ")
                                                 == RESTART: C:\Users\RnD\AppData\Local\Programs\Python\Python37-32
                 if(b>a):
                                                  masukan angka: 1
                     print ("terlalu besar, coba
                                                 terlalu kecil, coba lagi
                 elif(b<a):
                                                 masukan angka: 10
                    print("terlalu kecil, coba
                                                 terlalu kecil, coba lagi
                                                  masukan angka: 12
                     print("benar")
                                                 terlalu kecil, coba lagi
                     break
                                                 masukan angka: 45
         permainan()
                                                 terlalu besar, coba lagi
                                                 masukan angka:
```

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no13.py - C:\Users\RnD\AppData\Loca|\Programs\Puthon\Puthon\7-32\no13.py ( = \Box
13.
                                                                                 Python 3.7.2 Shell
                                             File Edit Format Run Options Window
                                              File Edit Shell Debug Options Window Help
         def katakan(a):
             x={"0":"","1":"Se","2":"Dua ",
                                              Python 3.7.2 (tags/v3.7.2:9a3ffc0492, Dec 23 2018, 22:2)
             y={-1:"",-2:"puluh ",-3:"ratus
                                              (Intel)] on win32
             b=str(a)
                                              Type "help", "copyright", "credits" or "license()" for 1
             c=""
                                              >>>
             i = -1
                                              == RESTART: C:\Users\RnD\AppData\Local\Programs\Python\i
             while i>= -len(b):
                                              >>> katakan(120)
                 c=x[b[i]]+y[i]+c
                                              'Seratus Dua puluh '
                 i-=1
                                              >>> katakan(25900)
             return c
                                              'Dua puluh Lima ribu Sembilan ratus puluh '
                                              >>>
```

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no14.py - C:\Users\RnD\AppData\Local\Progran
14.
                                                                                         Python 3.7.2 Shell
         File Edit Format Run Options Window Help
                                                      File Edit Shell Debug Options Window Help
         def formatRupiah(x):
                                                      Python 3.7.2 (tags/v3.7.2:9a3ffc0492, Dec 23 2018, 22:20:52) [
             y = str(x)
                                                      (Intel)1 on win32
             if len(y) <= 3:
                                                      Type "help", "copyright", "credits" or "license()" for more in
                 return 'Rp '+y
                                                      >>>
             else:
                                                      == RESTART: C:\Users\RnD\AppData\Local\Programs\Python\Python3
                 a = v(-3:1)
                                                      >>> formatRupiah(74567)
                 b = y[:-3]
                                                      'Rp 74.567'
                 return formatRupiah(b)+ "."+a
                                                      >>> formatRupiah(90000762376)
                 print ('Rp ' + formatRupiah(b) +".
                                                      'Rp 90.000.762.376'
                                                      >>>
```