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Kelas A

MODUL 2

Nomor 1.

```
File Edit Format Run Options Window Help
class Pesan(object):
    """
    Sebuah class bernama Pesan.
    Untuk memahami konsep Class dan Object.
    """
    def __init__(self, sebuahString):
        self.teks = sebuahString
    def cetakIni(self):
        print(self.teks)
    def cetakKapital(self):
        print(str.upper(self.teks))
    def cetakKecil(self):
        print(str.lower(self.teks))
    def jumKar(self):
        return len(self.teks)
    def cetakJumlah(self):
        print("Kalimatku mempunyai: ",len(self.teks),"karakter")
    def perbarui(self, strBaru):
        self.teks = strBaru
```

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```
File Edit Format Run Options Window Help
print(self.teks)
def cetakKapital(self):
    print(str.upper(self.teks))
def cetakKecil(self):
    print(str.lower(self.teks))
def jumKar(self):
    return len(self.teks)
def cetakJumlah(self):
    print("Kalimatku mempunyai: ",len(self.teks),"karakter")
def perbarui(self, strBaru):
    self.teks = strBaru

def apaTerkandung(self, isi):
    if str(isi) in self.teks:
        print("true")
    else:
        print("false")
def hitungVokal(self):
    v = "aiueoAIUEO"
    n = 0
    for i in self.teks:
        if i in v:
            n+=1
    return n
def hitungKonsonan(self):
    v = "aiueoAIUEO"
    n = 0
    for i in self.teks:
        if i not in v:
            n+=1
    return n

kataku = Pesan("Karanganyar")
kataku.apaTerkandung("angan")
kataku.apaTerkandung("kamu")
print(kataku.hitungVokal())
print(kataku.hitungKonsonan())
```

```
File Edit Shell Debug Options Window Help
Python 3.6.2 (v3.6.2:5fd33b5, Jul 8 2017, 04:14:34) [MSC v.1900 32 bit (Intel)]
on win32
Type "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: C:\Users\asusX441u\Documents\2_D_153\nomor1.py =====
true
false
4
7
>>>
```

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Nomor 2.

```
File Edit Format Run Options Window Help
class Manusia(object):
    """Class manusia dengan inisiasi 'nama'"""
    keadaan='lapar'
    def __init__(self,nama):
        self.nama = nama
    def ucapSalam(self):
        print("halo namaku: ", self.nama)
    def makan(self,s):
        print("saya baru saja makan ", s)
        self.keadaan = 'kenyang'
    def olah(self,k):
        print('saya baru saja latihan', k)
        self.keadaan='lapar'
    def kali(self,n):
        return n**2

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8:34 PM 3/13/2019
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```

```
File Edit Format Run Options Window Help
from nomor2 import Manusia
class Mahasiswa(Manusia):
    """Class Mahasiswa yang dibangun dai class Manusia"""
    def __init__(self,nama,NIM,kota,us):
        self.nama=nama
        self.NIM=NIM
        self.kota=kota
        self.uang=us
    def __str__(self):
        s=self.nama+',NIM '+str(self.NIM)\
          +'. tinggal di '+self.kota\
          +'. uang saku Rp '+str(self.uang)\
          +'. tiap bulan'
        return s
    def ambilNama(self):
        return self.nama
    def ambilNIM(self):
        return self.NIM
    def ambilUang(self):
        return self.uang
    def makan(self,s):
        print ("saya baru saja makan",s,"sambil belajar")
        self.keadaan='kenyang'
    def ambilKota(self):
        return self.kota
    def perbaruiKota(self,k):
        self.kota=k
    def tambahUang(self,n):
        self.uang+=n

m1=Mahasiswa('Laili',137,'Karanganyar',200000)
print(m1.ambilKota())
m1.perbaruiKota('Solo')
print(m1.ambilKota())
print(m1.ambilUang())
m1.tambahUang(50000)
print(m1.ambilUang())

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Python 3.6.2 (v3.6.2:5f433b5, Jul 8 2017, 04:14:34) [MSC v.1900 32 bit (Intel)]
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>>>
===== RESTART: C:\Users\asusX441u\Documents\2_D_153\nomor2n.py =====
Karanganyar
Solo
200000
250000
>>>

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```

Nomor 3.

```
File Edit Format Run Options Window Help
from nomor2 import Manusia
class Mahasiswa(Manusia):
    """Class Mahasiswa yang dibangun dai class Manusia"""
    def __init__(self, nama, NIM, kota, us):
        self.nama=nama
        self.NIM=NIM
        self.kota=kota
        self.uang=us
    def __str__(self):
        s=self.nama+',NIM '+str(self.NIM)\
            +'. tinggal di '+self.kota\
            +'. uang saku Rp '+str(self.uang)\
            +'. tiap bulan'
        return s
    def ambilNama(self):
        return self.nama
    def ambilNIM(self):
        return self.NIM
    def ambilUang(self):
        return self.uang
    def makan(self,s):
        print ("saya baru saja makan",s,"sambil belajar")
        self.keadaan='kenyang'
    def ambilKota(self):
        return self.kota
    def perbaruiKota(self,k):
        self.kota=k
    def tambahUang(self,n):
        self.uang+=n

nama = input("Masukkan Nama Anda      : ")
NIM = input("Masukkan NIM Anda        : ")
kota = input("Masukkan Kota Asal Anda : ")
us = input("Masukkan Uang Saku Anda  : ")

ms2 = Mahasiswa(nama,NIM,kota,us)
```

```
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Python 3.6.2 (v3.6.2:5fd33b5, Jul 8 2017, 04:14:34) [MSC v.1900 32 bit (Intel)]
on win32
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>>>
===== RESTART: C:\Users\asusX441u\Documents\2_D_153\nomor3.py =====
Masukkan Nama Anda      : Lail
Masukkan NIM Anda        : I200170137
Masukkan Kota Asal Anda : Karanganyar
Masukkan Uang Saku Anda  : 300000
>>>
```

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Nomor 4.

```
File Edit Format Run Options Window Help
class Mahasiswa(Manusia):
    """Class Mahasiswa yang dibangun dai class Manusia"""
    matkul=[]
    def __init__(self, nama, NIM, kota, us):
        self.nama=nama
        self.NIM=NIM
        self.kota=kota
        self.uang=us
    def __str__(self):
        s=self.nama+',NIM '+str(self.NIM)\
            +'. tinggal di '+self.kota\
            +'. uang saku Rp '+str(self.uang)\
            +'. tiap bulan'
        return s
    def ambilNama(self):
        return self.nama
    def ambilNIM(self):
        return self.NIM
    def ambilUang(self):
        return self.uang
    def makan(self,s):
        print ("saya baru saja makan",s,"sambil belajar")
        self.keadaan='kenyang'
    def ambilKota(self):
        return self.kota
    def perbaruiKota(self,k):
        self.kota=k
    def tambahUang(self,n):
        self.uang+=n
    def ambilMK(self,mk):
        self.matkul.append(mk)
    def listKuliah(self):
        print(self.matkul)

mh3 = Mahasiswa("aa","aa","aa","aa")
mh3.ambilMK("Diskrit")
mh3.listKuliah()
mh3.ambilMK("Algostruk")
mh3.listKuliah()
```

```
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on win32
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>>>
===== RESTART: C:\Users\asusX441u\Documents\2_D_153\nomor4.py =====
['Diskrit']
['Diskrit', 'Algostruk']
>>> |
```

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Nomor 5.

```
File Edit Format Run Options Window Help
from nomor2 import Manusia
class Mahasiswa(Manusia):
    """class Mahasiswa yang dibangun dai class Manusia"""
    matkul=[]
    def __init__(self,nama,NIM,kota,us):
        self.nama=nama
        self.NIM=NIM
        self.kota=kota
        self.uang=us
    def __str__(self):
        s=self.nama+',NIM '+str(self.NIM)\
            +'. tinggal di '+self.kota\
            +'. uang saku Rp '+str(self.uang)\
            +'. tiap bulan'
        return s
    def ambilNama(self):
        return self.nama
    def ambilNIM(self):
        return self.NIM
    def ambilUang(self):
        return self.uang
    def makan(self,s):
        print ("saya baru saja makan",s,"sambil belajar")
        self.keadaan='kenyang'
    def ambilKota(self):
        return self.kota
    def perbaruiKota(self,k):
        self.kota=k
    def tambahUang(self,n):
        self.uang+=n
    def ambilMK(self, mk):
        return self.matkul.append(mk)
    def listKuliah(self):
        print(self.matkul)
    def hapusKuliah(self, mk):
        return self.matkul.remove(mk)

mh3 = Mahasiswa("aa","aa","aa","aa")
mh3.ambilMK("Diskrit")
```

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```
File Edit Format Run Options Window Help
self.NIM=NIM
self.kota=kota
self.uang=us
def __str__(self):
    s=self.nama+',NIM '+str(self.NIM)\
        +'. tinggal di '+self.kota\
        +'. uang saku Rp '+str(self.uang)\
        +'. tiap bulan'
    return s
def ambilNama(self):
    return self.nama
def ambilNIM(self):
    return self.NIM
def ambilUang(self):
    return self.uang
def makan(self,s):
    print ("saya baru saja makan",s,"sambil belajar")
    self.keadaan='kenyang'
def ambilKota(self):
    return self.kota
def perbaruiKota(self,k):
    self.kota=k
def tambahUang(self,n):
    self.uang+=n
def ambilMK(self, mk):
    return self.matkul.append(mk)
def listKuliah(self):
    print(self.matkul)
def hapusKuliah(self, mk):
    return self.matkul.remove(mk)

mh3 = Mahasiswa("aa","aa","aa","aa")
mh3.ambilMK("Diskrit")
mh3.listKuliah()
mh3.ambilMK("Algostruk")
mh3.listKuliah()
mh3.hapusKuliah("Diskrit")
mh3.listKuliah()
```

```
File Edit Shell Debug Options Window Help
Python 3.6.2 (v3.6.2:5fd33b5, Jul 8 2017, 04:14:34) [MSC v.1900 32 bit (Intel)]
on win32
Type "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: C:\Users\asusx441u\Documents\2_D_153\nomor5.py =====
['Diskrit']
['Diskrit', 'Algostruk']
['Algostruk']
>>>
```

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Nomor 6.

```
File Edit Format Run Options Window Help
from nomor2 import Manusia

class SiswaSMA(Manusia):
    jurusan = "Belum Ditentukan"
    univ = "Belum Ditentukan"
    def __init__(self, nama, nisan, sma):
        self.nama = nama
        self.nisan = nisan
        self.sma = sma
    def __str__(self):
        return "\n\nData Diri\n\
        + "Nama : "+self.nama\
        + "\nNisan : "+str(self.nisan)\
        + "\nSMA : "+self.sma\
        + "\nUniv Pilihan : "+self.univ\
        + "\nJurusan Pilihan : "+self.jurusan
    def ambil(self):
        print("\n\nUpdate Data Universitas Pilihan...")
        self.univ = input("Pilih Univ : ")
        self.jurusan = input("Ambil Jurusan : ")

sis = SiswaSMA("Ani", "3021737828", "SMA N 1 Karanganyar")
print(sis)
sis.ambil()
print(sis)

File Edit Shell Debug Options Window Help
Python 3.6.2 (v3.6.2:5fd33b5, Jul 8 2017, 04:14:34) [MSC v.1900 32 bit (Intel)]
on win32
Type "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: C:\Users\asusX441u\Documents\2_D_153\nomor6.py =====

Data Diri
Nama : Ani
Nisan : 3021737828
SMA : SMA N 1 Karanganyar
Univ Pilihan : Belum Ditentukan
Jurusan Pilihan : Belum Ditentukan

Update Data Universitas Pilihan...
Pilih Univ : UGM
Ambil Jurusan : Teknik Sipil

Data Diri
Nama : Ani
Nisan : 3021737828
SMA : SMA N 1 Karanganyar
Univ Pilihan : UGM
Jurusan Pilihan : Teknik Sipil
>>>

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