

YOGA TRI PRIHATIN

L200170150

D

MODUL 2

NO 1

```
File Edit Format Run Options Window Help
class pesan(object):
    """
    sebuah class bernama pesan
    """
    def __init__(self, string):
        self.teks=string
    def cetak(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
# NO 1 a
    def terkandung(self,x):
        a=str(x)
        if x in self.teks:
            print("true")
        else:
            print("false")
# NO 1 b
    def hitungk(self):
        a='aioueAIOUE'
        x=0
        for i in self.teks:
            if i not in a:
                x+=1
        return(x)
# NO 1 c
    def hitungv(self):
        a='aioueAIOUE'
        x=0
        for i in self.teks:
            if i in a:
                x+=1
        return(x)
```

```
Python 2.7.14 Shell
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Python 2.7.14 (v2.7.14:84471935ed, Sep 16 2017, 20:19:30) [MSC v.1500 32 bit (Intel)] on win32
Type "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: E:\algoPrak\modul2(1-6)\modul2\tugas1.py =====
true
false
7
5
>>>
```

NO 2.

```
tugas2.py - E:\algoPrak\modul2(1-6)\modul2\tugas2.py (2.7.14)
File Edit Format Run Options Window Help

class manusia(object):
    """ clas manusia dengan inisiasi 'nama' """
    keadaan='lapar'
    def __init__(self,nama):
        self.nama=nama
    def ucap(self):
        print("halo namaku: ",self.nama)
    def olah(self,k):
        print('saya habis',k)
        self.keadaan='lapar'
    def makan(self,s):
        print("saya baru saja makan ",s)
        self.keadaan='kenyang'
    def kali(self,n):
        return n*2

tugas2sub.py - E:\algoPrak\modul2(1-6)\modul2\tugas2sub.py (2.7.14)
File Edit Format Run Options Window Help

from tugas2 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 ambilin(self):
        return self.Nama
    def ambilnim(self):
        return self.NIM
    def ambiluang(self):
        return self.uang
    def makan(self,s):
        print ("saya makan",s)
        self.keadaan='kenyang'
    def pkota(self):
        return self.kota
    def perbarui(self,x):
        self.kota=x
    def tambah(self,x):
        self.uang=self.uang+x

ml=mahasiswa('sri',565,'solo',120000)
print(ml.pkota())
ml.perbarui('jogja')
print(ml.pkota())
print(ml.ambiluang())
ml.tambah(5000)
print(ml.ambiluang())
```

```
Python 2.7.14 Shell
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tel)] on win32
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>>>
===== RESTART: E:\algoPrak\modul2(1-6)\modul2\tugas2sub.py =====
solo
jogja
120000
125000
>>> |
```

NO 3.

```
tugas3.py - E:\algoPrak\modul2(1-6)\modul2\tugas3.py (2.7.14)
File Edit Format Run Options Window Help

from tugas2 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 ambiln(self):
        return self.Nama
    def ambilnim(self):
        return self.NIM
    def ambiluang(self):
        return self.uang
    def makan(self,s):
        print ("saya makan",s)
        self.keadaan='kenyang'
    def kota(self):
        return self.kota
    def perbarui(self,x):
        self.kota=x
    def tambah(self,x):
        self.uang=self.uang+x

a = input(" Masukan nama : ")
b = input(" Masukan NIM : ")
c = input(" Masukan kota asal : ")
d = input(" Masukan uang saku : ")

m1 = Mahasiswa(a,b,c,d)
print(m1.ambiln())

Python 2.7.14 Shell
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>>>
===== RESTART: E:\algoPrak\modul2(1-6)\modul2\tugas3.py =====
Masukan nama : |
```

NO 4

```
from tugas2 import manusia
class Mahasiswa(manusia):
    """ class mahasiswa yang dibangun dai class manusia """
    mk=[]
    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 ambiln(self):
        return self.Nama
    def ambilnim(self):
        return self.NIM
    def ambiluang(self):
        return self.uang
    def kuliah(self,x):
        return self.mk.append(x)
    def lihat(self):
        return self.mk

m1=Mahasiswa('sri',565,'solo',120000)
m1.kuliah('asda')
print(m1.lihat())
```

```
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>>>
===== RESTART: E:\algoPrak\modul2(1-6)\modul2\tugas4.py =====
['asda']
>>>
===== RESTART: E:\algoPrak\modul2(1-6)\modul2\tugas4.py =====
['asda']
>>> |
```

NO 5

```
from tugas2 import manusia
class Mahasiswa(manusia):
    """ class mahasiswa yang dibangun dai class manusia """
    mk=[]
    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 ambiln(self):
        return self.Nama
    def ambilnim(self):
        return self.NIM
    def ambiluang(self):
        return self.uang
    def kuliah(self,x):
        return self.mk.append(x)
    def hapus(self,x):
        return self.mk.remove(x)
    def lihat(self):
        return self.mk

m1=Mahasiswa('sri',565,'solo',120000)
m1.kuliah('asda')
m1.kuliah('adwa')
print(m1.lihat())
m1.hapus('adwa')
print(m1.lihat())
```

```
Python 2.7.14 Shell
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>>>
===== RESTART: E:\algoPrak\modul2(1-6)\modul2\tugas5.py =====
['asda', 'adwa']
['asda']
>>> |
```

## NO 6

```
tugas6.py - E:\algoPrak\modul2(1-6)\modul2\tugas6.py (2.7.14)
File Edit Format Run Options Window Help
from tugas2 import manusia

class Siswa(manusia):
    def __init__(self,nama,kelas,jurusan):
        self.nm=nama
        self.kls=kelas
        self.jur=jurusan

    def __str__(self):
        x=self.nm+' kealas '+self.kelas+' jurusan '+self.jur
        return x

    def ambiln(self):
        return self.nm

    def ambiljur(self):
        return self.jur

    def gantiJ(self,x):
        self.jur=x

    def ambilk(self):
        return self.kls

    def gantik(self,x):
        self.kls=x

x=Siswa('yoga',12,'wonogiri-solo')
print(x.ambiln())
print(x.ambiljur())
x.gantiJ('informatika')
print(x.ambiljur())
print(x.ambilk())
x.gantik(10)
print(x.ambilk())
```

```
Python 2.7.14 Shell
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Python 2.7.14 (v2.7.14:84471935ed, Sep 16 2017, 20:19:30) [MSC v.1500 32 bit (Intel)] on win32
Type "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: E:\algoPrak\modul2(1-6)\modul2\tugas6.py =====
yoga
wonogiri-solo
informatika
12
10
>>> |
```