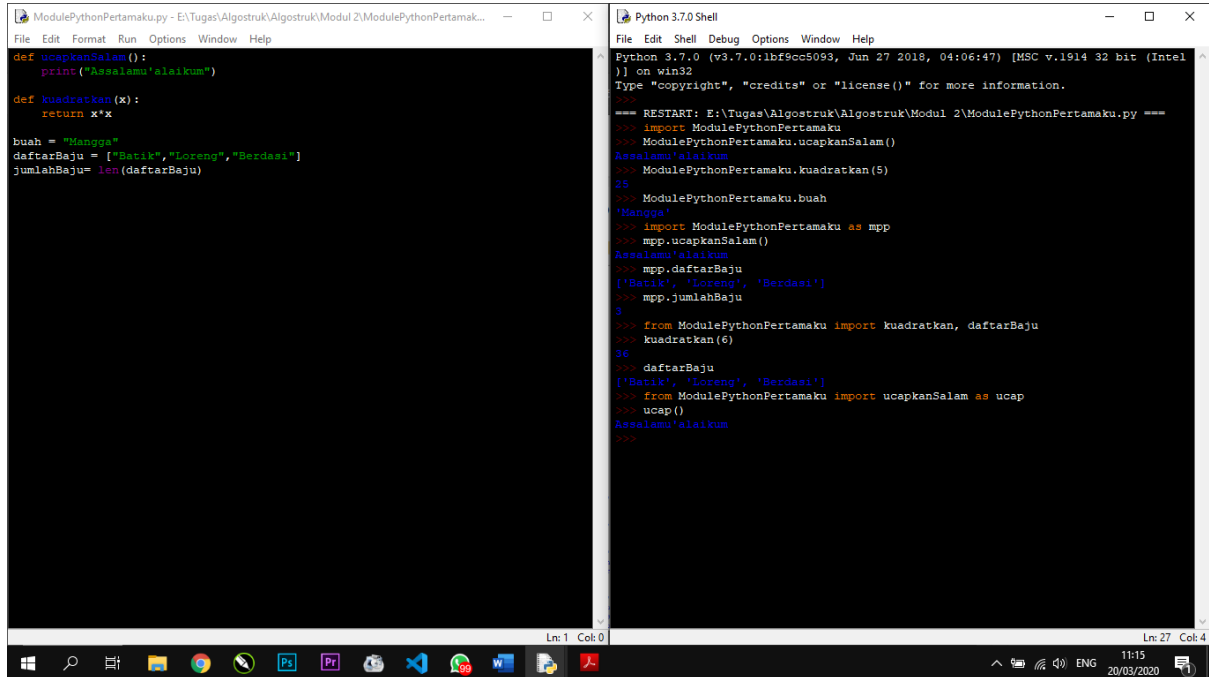


Nama : Wahyu Setyaji Rama Dwijaya  
NIM : L200180065  
Kelas : B

## MODUL 2

### Latihan 2.1



```
File Edit Format Run Options Window Help
def ucapkanSalam():
    print("Assalamu'alaikum")

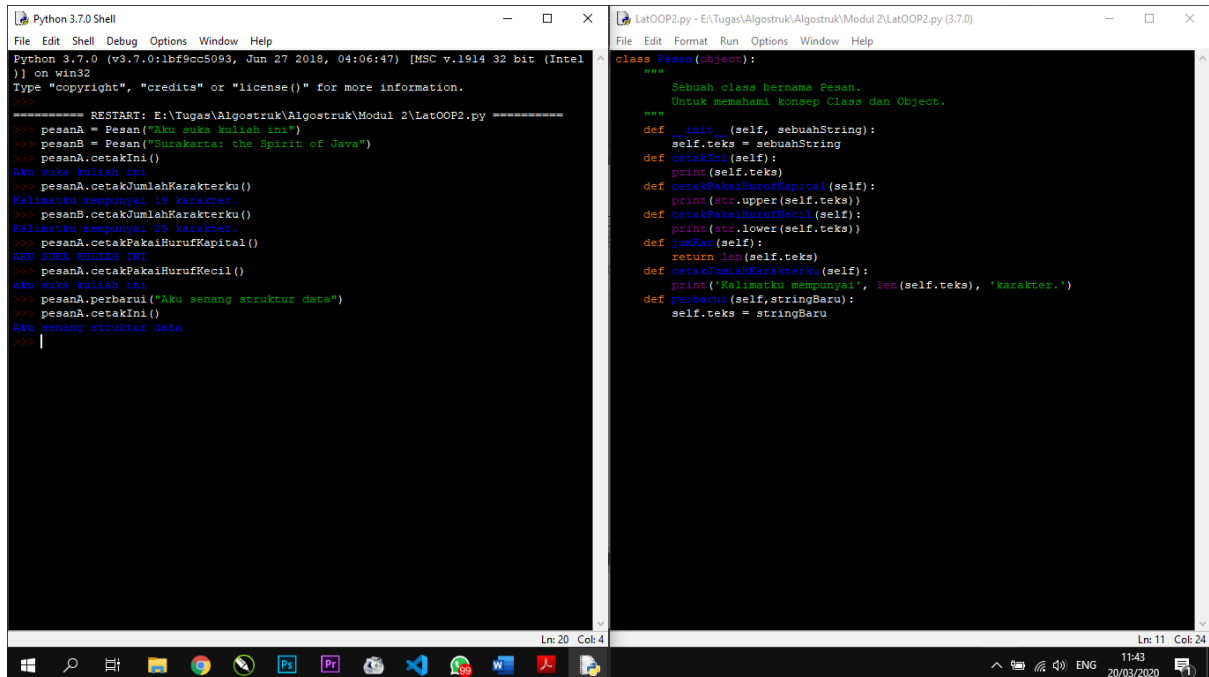
def kuadratkan(x):
    return x*x

buah = "Mangga"
daftarBaju = ["Batik", "Loreng", "Berdasi"]
jumlahBaju = len(daftarBaju)

Python 3.7.0 Shell
Python 3.7.0 (v3.7.0:1bf9cc5093, Jun 27 2018, 04:06:47) [MSC v.1914 32 bit (Intel)] on win32
Type "copyright", "credits" or "license()" for more information.

==== RESTART: E:\Tugas\Algostruk\Algostruk\Modul 2\ModulePythonPertamaku.py ====
>>> import ModulePythonPertamaku
>>> ModulePythonPertamaku.ucapkanSalam()
Assalamu'alaikum
>>> ModulePythonPertamaku.kuadratkan(5)
25
>>> ModulePythonPertamaku.buah
'Mangga'
>>> import ModulePythonPertamaku as mpp
>>> mpp.ucapkanSalam()
Assalamu'alaikum
>>> mpp.daftarBaju
['Batik', 'Loreng', 'Berdasi']
>>> mpp.jumlahBaju
3
>>> from ModulePythonPertamaku import kuadratkan, daftarBaju
>>> kuadratkan(6)
36
>>> daftarBaju
['Batik', 'Loreng', 'Berdasi']
>>> from ModulePythonPertamaku import ucapkanSalam as ucap
>>> ucap()
Assalamu'alaikum
>>>
```

### Latihan 2.2



```
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 cetakPakaiHurufKapital(self):
        print(str.upper(self.teks))
    def cetakPakaiHurufKecil(self):
        print(str.lower(self.teks))
    def jumKar(self):
        return len(self.teks)
    def cetakJumlahKarakterku(self):
        print('Kalimatku mempunyai', len(self.teks), 'karakter.')
    def perbarui(self, stringBaru):
        self.teks = stringBaru

Python 3.7.0 Shell
Python 3.7.0 (v3.7.0:1bf9cc5093, Jun 27 2018, 04:06:47) [MSC v.1914 32 bit (Intel)] on win32
Type "copyright", "credits" or "license()" for more information.

===== RESTART: E:\Tugas\Algostruk\Algostruk\Modul 2\LatOOP2.py =====
>>> pesanA = Pesan("Aku suka kuliah ini")
>>> pesanB = Pesan("Surekarta: the Spirit of Java")
>>> pesanA.cetakIni()
Aku suka kuliah ini
>>> pesanA.cetakJumlahKarakterku()
Kalimatku mempunyai 19 karakter.
>>> pesanB.cetakJumlahKarakterku()
Kalimatku mempunyai 29 karakter.
>>> pesanA.cetakPakaiHurufKapital()
AKU SUKA KULIAH INI
>>> pesanA.cetakPakaiHurufKecil()
aku suka kuliah ini
>>> pesanA.perbarui("Aku senang struktur data")
>>> pesanA.cetakIni()
Aku senang struktur data
>>>
```

## Latihan 2.3

```
Python 3.7.0 Shell
File Edit Shell Debug Options Window Help
Python 3.7.0 (v3.7.0:1bf9cc5093, Jun 27 2018, 04:06:47) [MSC v.1914 32 bit (Intel)] on win32
Type "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: E:\Tugas\Algostruk\Algostruk\Modul 2\LatOOP3.py =====
Salaam, namaku Fatimah
>>> p2 = Manusia("Budi")
>>> p2.ucapkanSalam()
Salaam, namaku Budi
>>> ak = Manusia("Abdul Karim")
>>> ak.ucapkanSalam
<bound method Manusia.ucapkanSalam of <_main_.Manusia object at 0x034DFD90>>
>>> ak.ucapkanSalam()
Salaam, namaku Abdul Karim
>>> ak.keadaan
'lapar'
>>> ak.makan("nasi goreng")
Saya baru saja makan nasi goreng
>>> ak.keadaan
'kenyang'
>>> ak.olahraga("renang")
Saya baru saja latihan renang
>>> ak.keadaan
'lapar'
>>> ak.makan("bakso")
Saya baru saja makan bakso
>>> ak.keadaan
'kenyang'
>>> ak.mengalikanDenganDua(8)
16
>>>
```

```
LatOOP3.py - E:\Tugas\Algostruk\Algostruk\Modul 2\LatOOP3.py (3.7.0)
File Edit Format Run Options Window Help
#LatOOP3
class Manusia(object):
    """Class 'Manusia' dengan inisiasi 'nama'"""
    keadaan = 'lapar'
    def __init__(self,nama):
        self.nama = nama
    def ucapkanSalam(self):
        print("Salaam, namaku", self.nama)
    def makan(self, s):
        print("Saya baru saja makan", s)
        self.keadaan = 'kenyang'
    def olahraga(self, k):
        print("Saya baru saja latihan", k)
        self.keadaan = 'lapar'
    def mengalikanDenganDua(self,n):
        return n*2
p1 = Manusia("Fatimah")
p1.ucapkanSalam()
```

## Latihan 2.4

```
Python 3.7.0 Shell
File Edit Shell Debug Options Window Help
Python 3.7.0 (v3.7.0:1bf9cc5093, Jun 27 2018, 04:06:47) [MSC v.1914 32 bit (Intel)] on win32
Type "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: E:\Tugas\Algostruk\Algostruk\Modul 2\LatOOP4.py =====
>>> m1 = Mahasiswa("Jamil",234,"Surakarta",250000)
>>> m2 = Mahasiswa("Andi",365,"Magelang",275000)
>>> m3 = Mahasiswa("Sri",676,"Yogyakarta",240000)
>>> m1.ambilNama()
'Jamil'
>>> m2.ambilNIM()
365
>>> m3.ucapkanSalam()
Salaam, namaku Sri
>>> m3.keadaan
'lapar'
>>> print(m3)
Sri, NIM 676, Tinggal di Yogyakarta. Uang saku Rp 240000 tiap bulannya.
>>> m3.makan("gado-gado")
Saya baru saja makan gado-gado sambil belajar.
>>> m3.keadaan
'kenyang'
>>>
```

```
LatOOP4.py - E:\Tugas\Algostruk\Algostruk\Modul 2\LatOOP4.py (3.7.0)
File Edit Format Run Options Window Help
from LatOOP3 import *
#LatOOP4
class Mahasiswa(Manusia):
    """Class Mahasiswa yang dibangun dari class Manusia."""
    def __init__(self,nama,NIM,kota,us):
        """Metode inisiasi ini menutupi metode inisiasi di class Manusia."""
        self.nama = nama
        self.NIM = NIM
        self.kotaTinggal = kota
        self.uangSaku = us
    def __str__(self):
        s = self.nama + ', NIM ' + str(self.NIM) \
            + '. Tinggal di ' + self.kotaTinggal \
            + '. Uang saku Rp ' + str(self.uangSaku) \
            + ' tiap bulannya.'
        return s
    def ambilNama(self):
        return self.nama
    def ambilNIM(self):
        return self.NIM
    def ambilUangSaku(self):
        return self.uangSaku
    def makan(self,s):
        """Metode ini menutupi metode 'makan'-nya class Manusia.
        Mahasiswa kalau makan sambil belajar."""
        print("Saya baru saja makan",s,"sambil belajar.")
        self.keadaan = 'kenyang'
```

## Latihan 2.5

```
Python 3.7.0 Shell
File Edit Shell Debug Options Window Help
Python 3.7.0 (tags/v3.7.0:1bf9cc5093, Jun 27 2018, 04:06:47) [MSC v.1914 32 bit (Intel)] on win32
Type "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: E:\Tugas\Algostruk\Algostruk\Modul 2\LatOOP5.py =====
>>> m4 = MhsTIF("Badu",334,"Sragen",230000)
>>> m4.katakanPy()
Python is cool.
>>> print(m4)
Badu, NIM 334. Tinggal di Sragen. Uang saku Rp 230000 tiap bulannya.
>>> m4.keadaan
'lapar'
>>> m4.makan("pecel")
Saya baru saja makan pecel sambil belajar.
>>> m4.keadaan
'kenyang'
>>> m4.ucapkanSalam()
Salam, namaku Badu
>>> |

LatOOP5.py - E:\Tugas\Algostruk\Algostruk\Modul 2\LatOOP5.py (3.7.0)
File Edit Format Run Options Window Help
from LatOOP4 import *

##LatOOP5
class MhsTIF(Mahasiswa):
    """Class MhsTIF yang dibangun dari class Mahasiswa"""
    def katakanPy(self):
        print('Python is cool.')
```

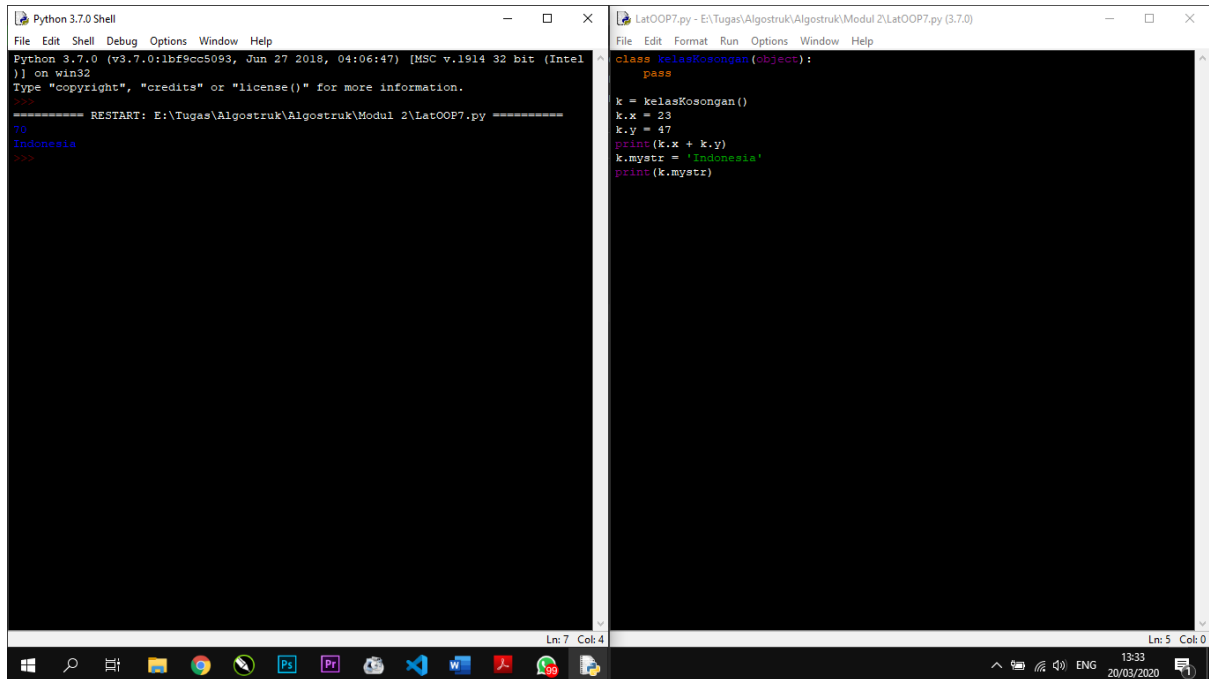
## Latihan 2.6

```
Python 3.7.0 Shell
File Edit Shell Debug Options Window Help
Python 3.7.0 (tags/v3.7.0:1bf9cc5093, Jun 27 2018, 04:06:47) [MSC v.1914 32 bit (Intel)] on win32
Type "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: E:\Tugas\Algostruk\Algostruk\Modul 2\LatOOP4.py =====
>>> m1 = Mahasiswa("Jamil",234,"Surakarta",250000)
>>> m = Mahasiswa("Andi",365,"Magelang",275000)
>>> m2 = Mahasiswa("Andi",365,"Magelang",275000)
>>> m3 = Mahasiswa("Sri",676,"Yogyakarta",240000)
>>> m4 = Mahasiswa("Badu",334,"Sragen",230000)
>>> m5 = Mahasiswa("Rama",65,"Los Angeles",1000000)
SyntaxError: invalid token
>>> m5 = Mahasiswa("Rama",65,"Los Angeles",1000000)
>>> daftar = [m1,m2,m3,m4,m5]
>>> for i in daftar: print (i.NIM)
334
365
476
334
65
>>> for i in daftar: print(i)
Jamil, NIM 234. Tinggal di Surakarta. Uang saku Rp 250000 tiap bulannya.
Andi, NIM 365. Tinggal di Magelang. Uang saku Rp 275000 tiap bulannya.
Sri, NIM 676. Tinggal di Yogyakarta. Uang saku Rp 240000 tiap bulannya.
Badu, NIM 334. Tinggal di Sragen. Uang saku Rp 230000 tiap bulannya.
Rama, NIM 65. Tinggal di Los Angeles. Uang saku Rp 1000000 tiap bulannya.
>>> |

LatOOP4.py - E:\Tugas\Algostruk\Algostruk\Modul 2\LatOOP4.py (3.7.0)
File Edit Format Run Options Window Help
from LatOOP3 import *

##LatOOP4
class Mahasiswa(Manusia):
    """Class Mahasiswa yang dibangun dari class Manusia."""
    def __init__(self,nama,NIM,kota,us):
        """Metode inisiasi ini menutupi metode inisiasi di class Manusia."""
        self.nama = nama
        self.NIM = NIM
        self.kotaTinggal = kota
        self.uangSaku = us
    def __str__(self):
        s = self.nama + ', NIM ' + str(self.NIM) \
            + '. Tinggal di ' + self.kotaTinggal \
            + '. Uang saku Rp ' + str(self.uangSaku) \
            + ' tiap bulannya.'
        return s
    def ambilNama(self):
        return self.nama
    def ambilNIM(self):
        return self.NIM
    def ambilUangSaku(self):
        return self.uangSaku
    def makan(self,s):
        """Metode ini menutupi metode 'makan'-nya class Manusia.
        Mahasiswa kalau makan sambil belajar."""
        print("Saya baru saja makan",s,"sambil belajar.")
        self.keadaan = 'kenyang'
```

## Latihan 2.7



The image shows a Windows desktop with two windows open. The left window is titled "Python 3.7.0 Shell" and contains the following text:

```
Python 3.7.0 (tags/v3.7.0:1bf9cc5093, Jun 27 2018, 04:06:47) [MSC v.1914 32 bit (Intel)] on win32
Type "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: E:\Tugas\Algostruk\Algostruk\Modul 2\LatOOP7.py =====
70
Indonesia
>>>
```

The right window is titled "LatOOP7.py - E:\Tugas\Algostruk\Algostruk\Modul 2\LatOOP7.py (3.7.0)" and contains the following Python code:

```
class kelasKosongan(object):
    pass

k = kelasKosongan()
k.x = 23
k.y = 47
print(k.x + k.y)
k.mystr = 'Indonesia'
print(k.mystr)
```

The Windows taskbar at the bottom shows the Start button, search icon, task view icon, and several application icons including File Explorer, Google Chrome, and various development tools. The system tray on the right shows the date and time as 13:33 on 20/03/2020.

## Soal-soal 2.6

### No. 1

```
Python 3.7.0 Shell
File Edit Shell Debug Options Window Help
Python 3.7.0 (v3.7.0:1bf9cc5093, Jun 27 2018, 04:06:47) [MSC v.1914 32 bit (Intel
)] on win32
Type "copyright", "credits" or "license()" for more information.
>>>
=== RESTART: E:\Tugas\Algostruk\Algostruk\Modul 2\L200180065_ASD,Modul2.py ===
>>> p9 = Pesan("Indonesia adalah negeri yang indah")
>>> p9.apakahTerkandung("ege")
True
>>> p9.apakahTerkandung("eka")
False
>>> p10 = Pesan("Surakarta")
>>> p10.hitungKonsonan()
3
>>> p10.hitungVokal()
4
>>>
```

```
L200180065_ASD,Modul2.py - E:\Tugas\Algostruk\Algostruk\Modul 2\L200180065_ASD,Modul2...
File Edit Format Run Options Window Help
#NO 1
class Pesan(object):
    """
    Sebuah class bernama Pesan.
    Untuk memahami konsep Class dan Object.
    """
    def __init__(self, sebuahString):
        self.teks = sebuahString

    #1a. Memeriksa apakah suatu string terkandung di object Pesan itu
    def apakahTerkandung(self,a) :
        if a in self.teks :
            return True
        else :
            return False

    #1b. Menghitung jumlah huruf konsonan
    def hitungKonsonan(self) :
        b = len(self.teks)
        a = 0
        for i in self.teks :
            if (i=='A' or i=='a' or i=='E' or i=='e' or i=='I' or i=='i' or i=='O' or i=='o') :
                a += 1
        return b-a

    #1c. Menghitung jumlah huruf vokal
    def hitungVokal(self) :
        b = len(self.teks)
        a = 0
        for i in self.teks :
            if (i=='A' or i=='a' or i=='E' or i=='e' or i=='I' or i=='i' or i=='O' or i=='o') :
                a += 1
        return a

#
#
#NO 2
class Mahasiswa(object):
    """Sebuah class bernama Mahasiswa untuk menyimpan data-data mahasiswa"""
    def __init__(self,nama,NIM,kota,us):
```

### No. 2

```
Python 3.7.0 Shell
File Edit Shell Debug Options Window Help
Python 3.7.0 (v3.7.0:1bf9cc5093, Jun 27 2018, 04:06:47) [MSC v.1914 32 bit (Intel
)] on win32
Type "copyright", "credits" or "license()" for more information.
>>>
=== RESTART: E:\Tugas\Algostruk\Algostruk\Modul 2\L200180065_ASD,Modul2.py ===
>>> m9 = Mahasiswa("Bima",65,"Sragen",500000)
>>> m9.ambilKotaTinggal()
'Sragen'
>>> m9.perbaruiKotaTinggal("Surakarta")
>>> m9.ambilKotaTinggal()
'Surakarta'
>>> m9.ambilUangSaku()
500000
>>> m9.ambilUangSaku(500000)
Traceback (most recent call last):
  File "<pyshell#5>", line 1, in <module>
    m9.ambilUangSaku(500000)
TypeError: ambilUangSaku() takes 1 positional argument but 2 were given
>>> m9.tambahUangSaku(500000)
>>> m9.ambilUangSaku()
1000000
>>>
```

```
L200180065_ASD,Modul2.py - E:\Tugas\Algostruk\Algostruk\Modul 2\L200180065_ASD,Modul2...
File Edit Format Run Options Window Help
#NO 2
class Mahasiswa(object):
    """Sebuah class bernama Mahasiswa untuk menyimpan data-data mahasiswa"""
    def __init__(self,nama,NIM,kota,us):
        self.nama = nama
        self.NIM = NIM
        self.kotaTinggal = kota
        self.uangSaku = us

    def __str__(self):
        s = self.nama + ', NIM ' + str(self.NIM) \
            + '. Tinggal di ' + self.kotaTinggal \
            + '. Uang saku Rp ' + str(self.uangSaku) \
            + ' tiap bulannya.'
        return s

    def ambilNama(self):
        return self.nama
    def ambilNIM(self):
        return self.NIM
    def ambilUangSaku(self):
        return self.uangSaku
    def makan(self,s):
        """Metode ini menutupi metode 'makan'-nya class Manusia.
        Mahasiswa kalau makan sambil belajar."""
        print("Saya baru saja makan",s,"sambil belajar.")
        self.keadaan = 'kenyang'

    #2a. Mengambil kota tempat tinggal
    def ambilKotaTinggal(self):
        return self.kotaTinggal

    #2b. Memperbarui kota tinggal
    def perbaruiKotaTinggal(self, kotaBaru):
        self.kotaTinggal = kotaBaru

    #2c. Menambah uang saku
    def tambahUangSaku(self, tambahUang):
        usBaru = self.uangSaku + tambahUang
        self.uangSaku = usBaru
```

### No. 3

```
Python 3.7.0 Shell
File Edit Shell Debug Options Window Help
Python 3.7.0 (v3.7.0:1bf9cc5093, Jun 27 2018, 04:06:47) [MSC v.1914 32 bit (Intel)] on win32
Type "copyright", "credits" or "license()" for more information.
>>>
=== RESTART: E:\Tugas\Algostruk\Algostruk\Modul 2\L200180065_ASD,Modul2.py ===
Masukkan nama -> Aezo
Masukkan NIM -> 999
Masukkan kotaTinggal -> Tokyo
Masukkan uangSaku -> 1000000
Aezo, NIM 999. Tinggal di Tokyo. Uang saku Rp 1000000 tiap bulannya.
>>>

L200180065_ASD,Modul2.py - E:\Tugas\Algostruk\Algostruk\Modul 2\L200180065_ASD,Modul2...
File Edit Format Run Options Window Help
#1: def tambahUangSaku(self, tambahUang):
#2: def perbaruiKotaTinggal(self, kotaBaru):
#3: self.kotaTinggal = kotaBaru
#4:
#5: #2C. Menambah uang saku
#6: def tambahUangSaku(self, tambahUang):
#7: usBaru = self.uangSaku + tambahUang
#8: self.uangSaku = usBaru
#9:
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```

## No. 5

```
Python 3.7.0 Shell
File Edit Shell Debug Options Window Help
Python 3.7.0 (tags/v3.7.0:1bf9cc5093, Jun 27 2018, 04:06:47) [MSC v.1914 32 bit (Intel)] on win32
Type "copyright", "credits" or "license()" for more information.

>>> RESTART: E:\Tugas\Algostruk\Algostruk\Modul 2\L200180065_ASD,Modul2.py ==
>>> m65 = Mahasiswa("Rama", 65, "Sragen", 250000)
>>> m65.ambilKuliah("Matematika Diskrit")
>>> m65.ambilKuliah("EG2")
>>> m65.ambilKuliah("Basis Data")
>>> m65.ambilKuliah("Kriptografi")
>>> m65.ambilKuliah("Bahasa Indonesia")
>>> m65.listKuliah
['Matematika Diskrit', 'PRN', 'Basis Data', 'Kriptografi', 'Bahasa Indonesia']
>>> m65.hapusKuliah("PRN")
>>> m65.hapusKuliah("Bahasa Indonesia")
>>> m65.listKuliah
['Matematika Diskrit', 'Basis Data', 'Kriptografi']
>>>
```

```
L200180065_ASD,Modul2.py - E:\Tugas\Algostruk\Algostruk\Modul 2\L200180065_ASD,Modul2...
File Edit Format Run Options Window Help

"""
def listKuliah(self):
    return self.listKuliah
"""
def ambilKuliah(self, matkul):
    self.listKuliah.append(matkul)

#NO 1
class Mahasiswa(object):
    def __init__(self, nama, NIM, kota, us):
        self.nama = nama
        self.NIM = NIM
        self.kotaTinggal = kota
        self.uangSaku = us
        self.listKuliah = []

    def listKuliah(self):
        return self.listKuliah

    def hapusKuliah(self, matkul):
        self.listKuliah.remove(matkul)

    def ambilKuliah(self, matkul):
        self.listKuliah.append(matkul)

##NO 6
class Manusia(object):
    keadaan = 'lapar'
    def __init__(self, nama):
        self.nama = nama
    def ucapkanSalam(self):
        print("Salam, namaku", self.nama)
    def makan(self, s):
        print("Saya baru saja makan", s)
        self.keadaan = 'kenyang'

```

## No. 6

```
Python 3.7.0 Shell
File Edit Shell Debug Options Window Help
Python 3.7.0 (tags/v3.7.0:1bf9cc5093, Jun 27 2018, 04:06:47) [MSC v.1914 32 bit (Intel)] on win32
Type "copyright", "credits" or "license()" for more information.

>>> RESTART: E:\Tugas\Algostruk\Algostruk\Modul 2\L200180065_ASD,Modul2.py ==
>>> s1 = siswaSMA("Gita", 1, 9, "IPA")
>>> s2 = siswaSMA("Wahyu", 2, 11, "IPS")
>>> s1.ucapkanSalam()
Salam, namaku Gita
>>> s2.ucapkanSalam()
Salam, namaku Wahyu
>>> s1.ambilJurusan()
'IPA'
>>> s2.ambilNoAbsen()
2
>>> s1.ambilKelas()
9
>>> s1.keadaan
'lapar'
>>> s1.makan("mie ayam")
Saya baru saja makan mie ayam
>>> s2.olahraga("ping-pong")
Saya baru saja latihan ping-pong
>>> s2.keadaan
'lapar'
>>> s1.keadaan
'kenyang'
>>> s2.ambilNama()
'Wahyu'
>>>
```

```
L200180065_ASD,Modul2.py - E:\Tugas\Algostruk\Algostruk\Modul 2\L200180065_ASD,Modul2...
File Edit Format Run Options Window Help

"""
def listKuliah(self):
    return self.listKuliah
"""
def ambilKuliah(self, matkul):
    self.listKuliah.append(matkul)

#NO 6
class Manusia(object):
    keadaan = 'lapar'
    def __init__(self, nama):
        self.nama = nama
    def ucapkanSalam(self):
        print("Salam, namaku", self.nama)
    def makan(self, s):
        print("Saya baru saja makan", s)
        self.keadaan = 'kenyang'
    def olahraga(self, k):
        print("Saya baru saja latihan", k)
        self.keadaan = 'lapar'

class siswaSMA(Manusia):
    def __init__(self, nama, noAbsen, kelas, jurusan):
        self.nama = nama
        self.noAbsen = noAbsen
        self.kelas = kelas
        self.jurusan = jurusan

    def ambilNama(self):
        return self.nama

    def ambilNoAbsen(self):
        return self.noAbsen

    def ambilKelas(self):
        return self.kelas

    def ambilJurusan(self):
        return self.jurusan

```

No. 7

```
Python 3.7.0 Shell
File Edit Shell Debug Options Window Help
Python 3.7.0 (tags/v3.7.0:1bf9cc5093, Jun 27 2018, 04:06:47) [MSC v.1914 32 bit (Intel)] on win32
Type "copyright", "credits" or "license()" for more information.
>>>
=== RESTART: E:\Tugas\Algostruk\Algostruk\Modul 2\L200180065_ASD,Modul2.py ===
Salaam, namaku Udin
Saya baru saja latihan Baseball
Python is cool.
>>>
```

```
L200180065_ASD,Modul2.py - E:\Tugas\Algostruk\Algostruk\Modul 2\L200180065_ASD,Modul2...
File Edit Format Run Options Window Help

#NO. 7
class Manusia(object):
    """Class 'Manusia' dengan inisiasi 'nama'"""
    keadaan = 'lapar'
    def __init__(self,nama):
        self.nama = nama
    def ucapkanSalam(self):
        print("Salaam, namaku", self.nama)
    def makan(self, s):
        print("Saya baru saja makan", s)
        self.keadaan = 'kenyang'
    def olahraga(self, k):
        print("Saya baru saja latihan", k)
        self.keadaan = 'lapar'
    def mengalikandenganDua(self,n):
        return n*2

class Mahasiswa(Manusia):
    """Class Mahasiswa yang dibangun dari class Manusia."""
    def __init__(self,nama,NIM,kota,us):
        """Metode inisiasi ini menutupi metode inisiasi di class Manusia."""
        self.nama = nama
        self.NIM = NIM
        self.kotaTinggal = kota
        self.uangSaku = us
    def __str__(self):
        s = self.nama + ', NIM ' + str(self.NIM) \
            + '. Tinggal di ' + self.kotaTinggal \
            + '. Uang saku Rp ' + str(self.uangSaku) \
            + ' tiap bulannya.'
        return s
    def ambilNama(self):
        return self.nama
    def ambilNIM(self):
        return self.NIM
    def ambilUangSaku(self):
        return self.uangSaku
    def makan(self,s):
        """Metode ini menutupi metode 'makan'-nya class Manusia.
        Mahasiswa kalau makan sambil belajar."""

class MhsTIF(Mahasiswa):
    """Class MhsTIF yang dibangun dari class Mahasiswa"""
    def katakanPy(self):
        print('Python is cool.')

M1 = MhsTIF('Udin',235,'Ngawi',300000)
M1.ucapkanSalam() #Berasal dari class Manusia
M1.olahraga('Baseball') #Berasal dari class Manusia
M1.ambilNama() #Berasal dari class Mahasiswa
M1.ambilNIM() #Berasal dari class Mahasiswa
M1.katakanPy() #Berasal dari class MhsTIF
```