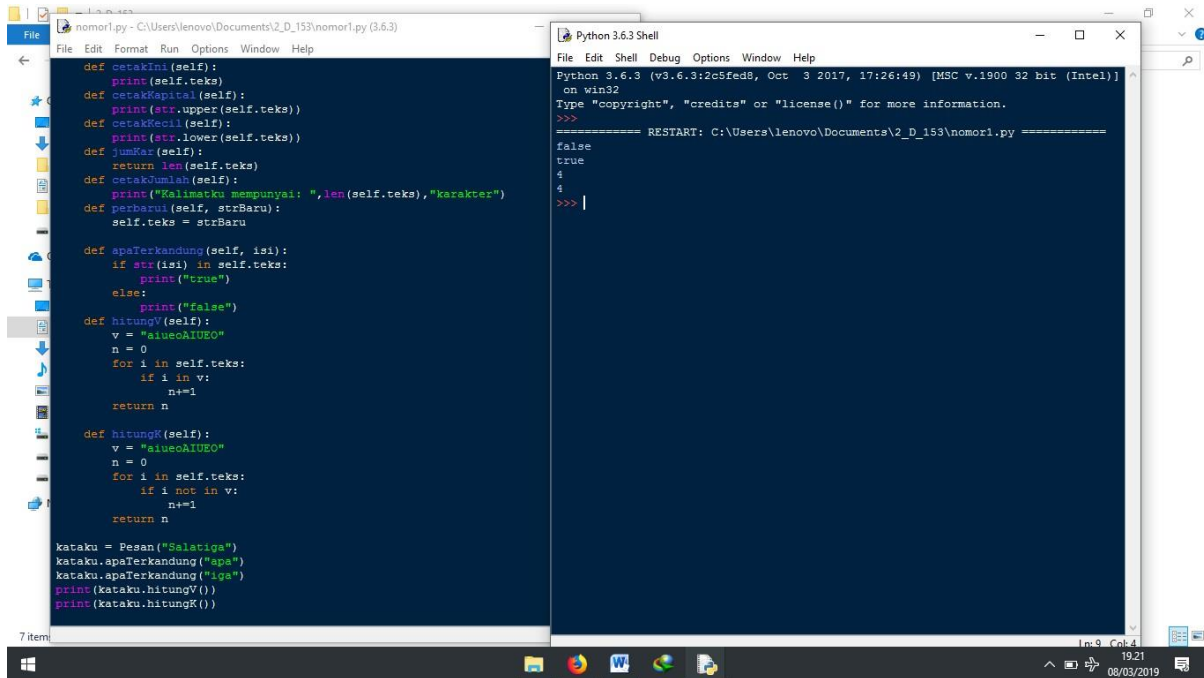


Nama : NARENDRA GUSTIAJI
NIM : L200170151
Kelas : D
MODUL 2

Nomor 1



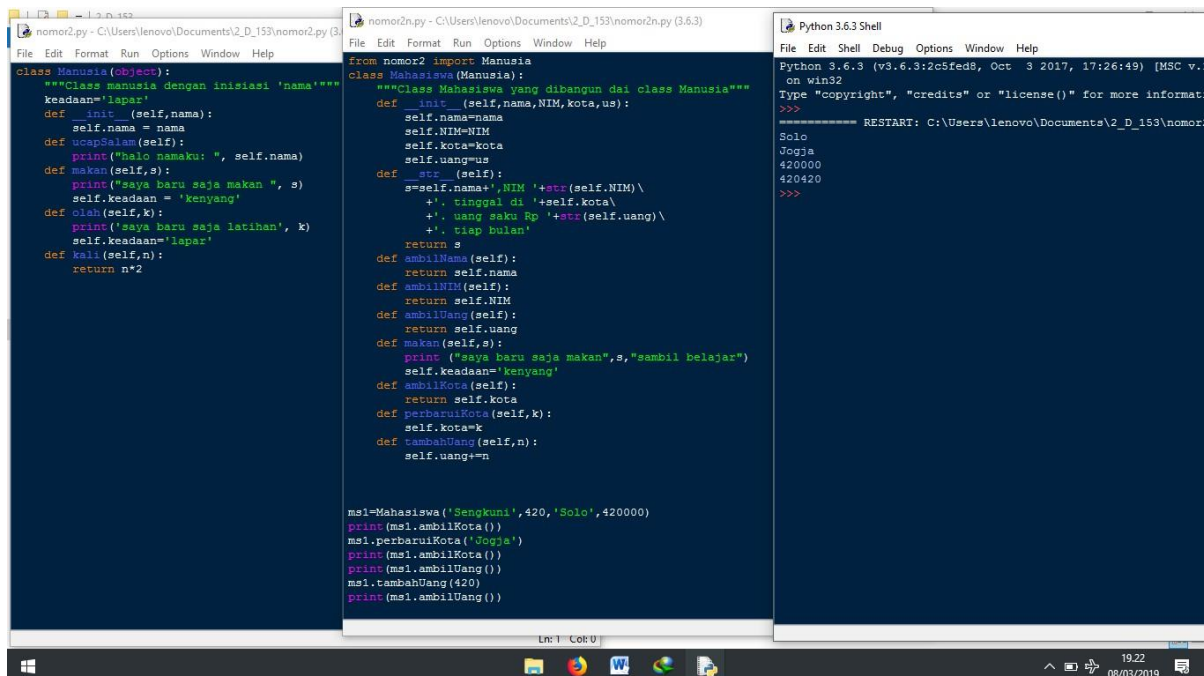
```
File Edit Format Run Options Window Help
def cetakIni(self):
    print(self.teks)
def cetakKapital(self):
    print(str.upper(self.teks))
def cetakKecil(self):
    print(str.lower(self.teks))
def jumKar(self):
    return len(self.teks)
def cetakJumlah(self):
    print("Kalimatku mempunyai: ", len(self.teks),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

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

kataku = Pesan("Salatiga")
kataku.apaTerkandung("apa")
kataku.apaTerkandung("iga")
print(kataku.hitungV())
print(kataku.hitungK())
```

```
Python 3.6.3 Shell
Python 3.6.3 (v3.6.3:2c5fed8, Oct 3 2017, 17:26:49) [MSC v.1900 32 bit (Intel)]
on win32
Type "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: C:\Users\lenovo\Documents\2_D_153\nomor1.py =====
false
true
4
4
>>> |
```

Nomor 2



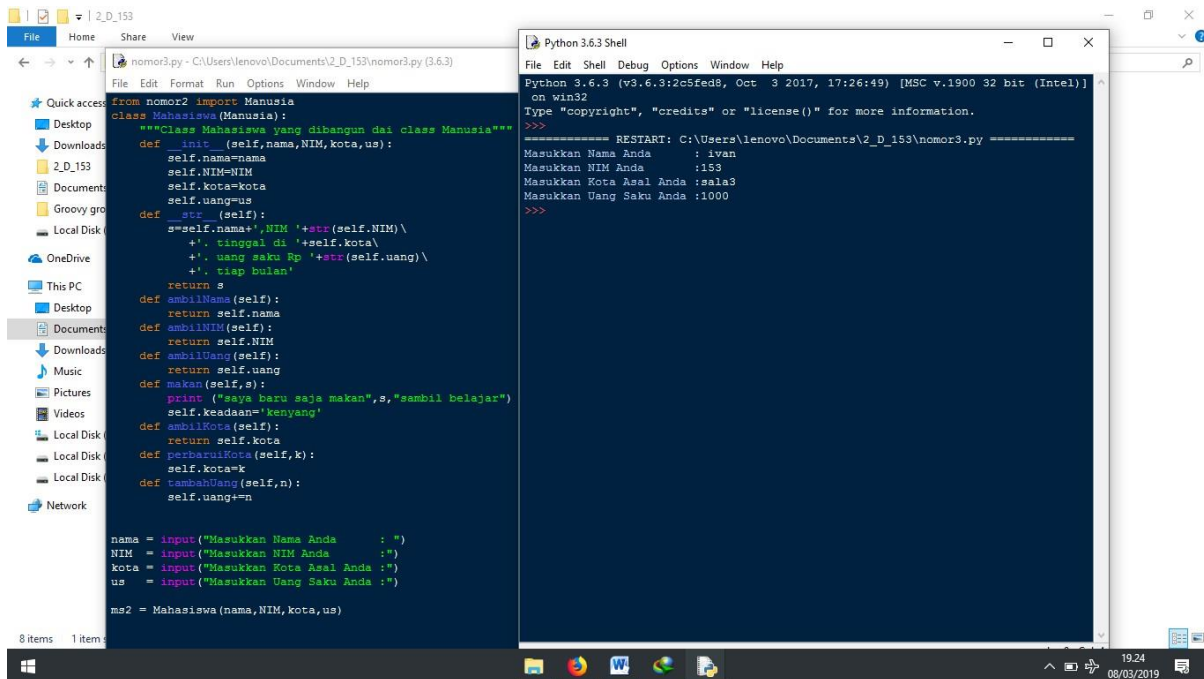
```
File Edit Format Run Options Window Help
class Manusia(object):
    """Class manusia dengan inisiasi 'nama'"""
    keadaan="lapar"
    def __init__(self,nama):
        self.nama = nama
    def ucapSalam(self):
        print("halo namaku: ", self.nama)
    def makan(self,s):
        print("saya baru 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
```

```
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 sakul 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('Sengkuni',420,'Solo',420000)
print(m1.ambilKota())
m1.perbaruiKota('Jogja')
print(m1.ambilKota())
print(m1.ambilUang())
m1.tambahUang(420)
print(m1.ambilUang())
```

```
Python 3.6.3 Shell
Python 3.6.3 (v3.6.3:2c5fed8, Oct 3 2017, 17:26:49) [MSC v.1900 32 bit (Intel)]
on win32
Type "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: C:\Users\lenovo\Documents\2_D_153\nomor2.py =====
Solo
Jogja
420000
420420
>>>
```

Nomor 3



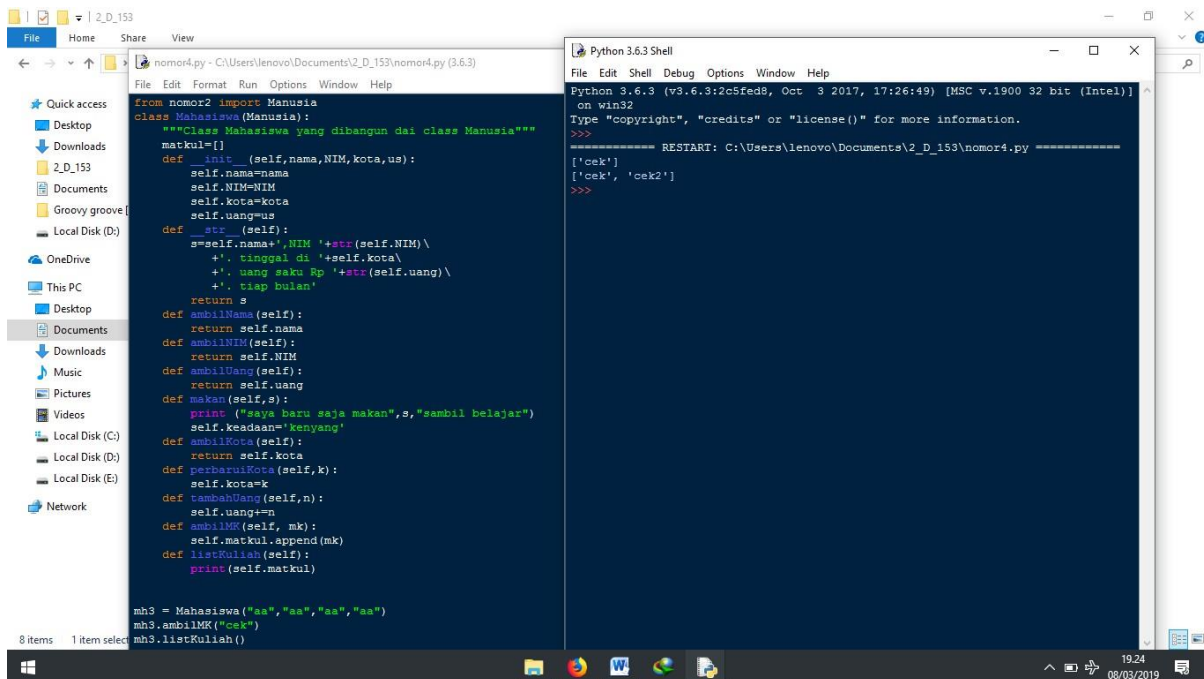
```
from nomor2 import Manusia
class Mahasiswa(Manusia):
    """Class Mahasiswa yang dibangun dai class Manusia"""
    def __init__(self, nama, NIM, kota, us):
        self.nama=nama
        self.NIM=NIM
        self.kota=kota
        self.uang=us
    def __str__(self):
        s=self.nama+', NIM '+str(self.NIM)\
          +'. 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)
```

```
Python 3.6.3 Shell
Python 3.6.3 (v3.6.3:2c5fed8, Oct 3 2017, 17:26:49) [MSC v.1900 32 bit (Intel)]
on win32
Type "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: C:\Users\lenovo\Documents\2_D_153\nomor3.py =====
Masukkan Nama Anda      : ivan
Masukkan NIM Anda       : 153
Masukkan Kota Asal Anda : sala3
Masukkan Uang Saku Anda :1000
>>>
```

Nomor 4

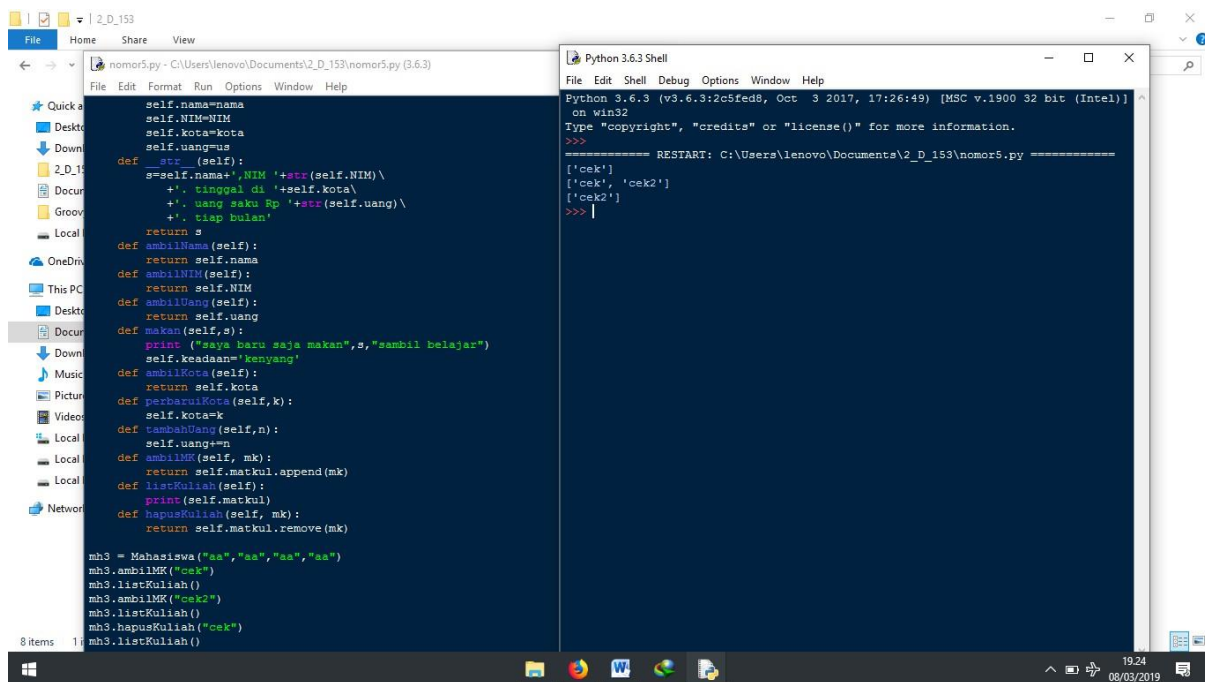


```
from nomor2 import Manusia
class Mahasiswa(Manusia):
    """Class Mahasiswa yang dibangun dai class Manusia"""
    matkul=[]
    def __init__(self, nama, NIM, kota, us):
        self.nama=nama
        self.NIM=NIM
        self.kota=kota
        self.uang=us
    def __str__(self):
        s=self.nama+', 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):
        self.matkul.append(mk)
    def listKuliah(self):
        print(self.matkul)

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

```
Python 3.6.3 Shell
Python 3.6.3 (v3.6.3:2c5fed8, Oct 3 2017, 17:26:49) [MSC v.1900 32 bit (Intel)]
on win32
Type "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: C:\Users\lenovo\Documents\2_D_153\nomor4.py =====
['cek']
['cek', 'cek2']
>>>
```

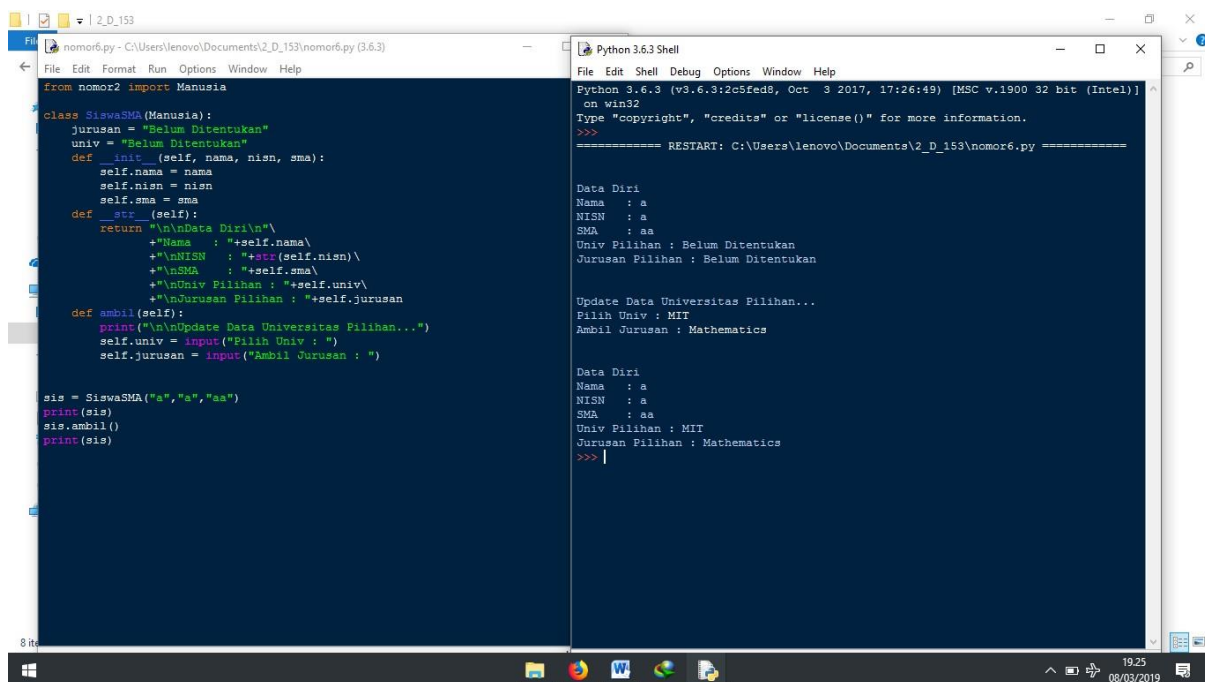
Nomor 5



```
File Edit Format Run Options Window Help
Python 3.6.3 (v3.6.3:2c5fed8, Oct 3 2017, 17:26:49) [MSC v.1900 32 bit (Intel)]
on win32
Type "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: C:\Users\lenovo\Documents\2_D_153\nomor5.py =====
{'cek1', 'cek2'}
{'cek2'}
>>>
```

```
File Edit Format Run Options Window Help
nomor5.py - C:\Users\lenovo\Documents\2_D_153\nomor5.py (3.6.3)
File Edit Format Run Options Window Help
self.nama=nama
self.NIM=NIM
self.kota=kota
self.uang=uang
def __str__(self):
s=self.nama+' '+NIM+' '+kota+
'.. tinggal di '+self.kota+
'.. uang saku Rp '+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("cek")
mh3.listKuliah()
mh3.ambilMK("cek2")
mh3.listKuliah()
mh3.hapusKuliah("cek")
mh3.listKuliah()
```

Nomor 6



```
File Edit Shell Debug Options Window Help
Python 3.6.3 (v3.6.3:2c5fed8, Oct 3 2017, 17:26:49) [MSC v.1900 32 bit (Intel)]
on win32
Type "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: C:\Users\lenovo\Documents\2_D_153\nomor6.py =====

Data Diri
Nama : a
NISN : a
SMA : aa
Univ Pilihan : Belum Ditentukan
Jurusan Pilihan : Belum Ditentukan

Update Data Universitas Pilihan...
Pilih Univ : MIT
Ambil Jurusan : Mathematics

Data Diri
Nama : a
NISN : a
SMA : aa
Univ Pilihan : MIT
Jurusan Pilihan : Mathematics
>>>
```

```
File Edit Format Run Options Window Help
nomor6.py - C:\Users\lenovo\Documents\2_D_153\nomor6.py (3.6.3)
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\n"
        + "Nama : "+self.nama\
        + "\nNISN : "+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("a","a","aa")
print(sis)
sis.ambil()
print(sis)
```