



NAMA : KEVIN AVICENNA WIDIARTO

NIM : L200200183

Modul : 2

MODUL 1 ASD

No 1

```
def apakahTerkandung(self,a):
    if a in self.teks:
        return True
    else:
        return False

def hitungKonsonan(self):
    k = 'bcdfghjklmnpqrstvwxyzBCDEFGHIJKLMNOPQRSTUVWXYZ'
    x = 0

    for i in self.teks:
        if i in k:
            x += 1
    return x

def hitungVokal(self):
    v = 'aiueoAIUEO'
    x = 0

    for i in self.teks:
        if i in v:
            x += 1
    return x
```

```
>>> p9 = Pesan('Indonesia')
>>> p9.apakahTerkandung('iea')
False
>>> p9.hitungKonsonan()
4
>>> p9.hitungVokal()
5
>>>
```

No 2

```
from LatOOP3 import Manusia
class Mahasiswa(Manusia):
    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):
        print("Saya makan", s, "sambil belajar.")
        self.keadaan = 'kenyang'

    def ambilKotaTinggal(self):
        return self.kotaTinggal
    def perbaruiKotaTinggal(self, x):
        self.kotaTinggal = x
```

```
m = Mahasiswa("Kevin", "L200200183", "SURAKARTA", 20000)
m.ambilKotaTinggal()
'SURAKARTA'
m.perbaharuiKotaTinggal("Surakarta")
Traceback (most recent call last):
  File "<pyshell#6>", line 1, in <module>
    m.perbaharuiKotaTinggal("Surakarta")
AttributeError: 'Mahasiswa' object has no attribute 'perbaharuiKotaTinggal'
m.perbaruiKotaTinggal("Surakarta")
m.ambilUangSaku()
20000
```

```
mm.tambahUangSaku(10000)
mm.ambilUangSaku()
30000
```

No 3

```
>>> nama = input('nama : ')
nama : Kevin
>>> NIM = input('NIM : ')
NIM : L200200183
>>> kotaTinggal = input('Kota : ')
Kota : Surakarta
>>> uangSaku = int(input('uang saku : '))
uang saku : 20000
>>> m1 = Mahasiswa(nama ,NIM, kotaTinggal, uangSaku)
>>> print(m1)
Kevin, NIM L200200183. Tinggal di Surakarta. Uang saku Rp 20000 tiap bulannya.
>>> |
```

No 4

```
def listKuliah(self):
    return self.matakuliah
def ambilKuliah(self, matakuliah):
    self.matakuliah.append(matakuliah)

>>> m234 = Mahasiswa("kevin", "L200200183", "SURAKARTA", 20000)
>>> m234.listKuliah()
[]
>>> m234.ambilKuliah('Prak ASD')
>>> m234.listKuliah()
['Prak ASD']
>>> m234.ambilKuliah('ASD')
>>> m234.listKuliah()
['Prak ASD', 'ASD']
>>> |
```

No 5

```
def hapuskuliah(self, matakuliah):
    self.matakuliah.remove(matakuliah)

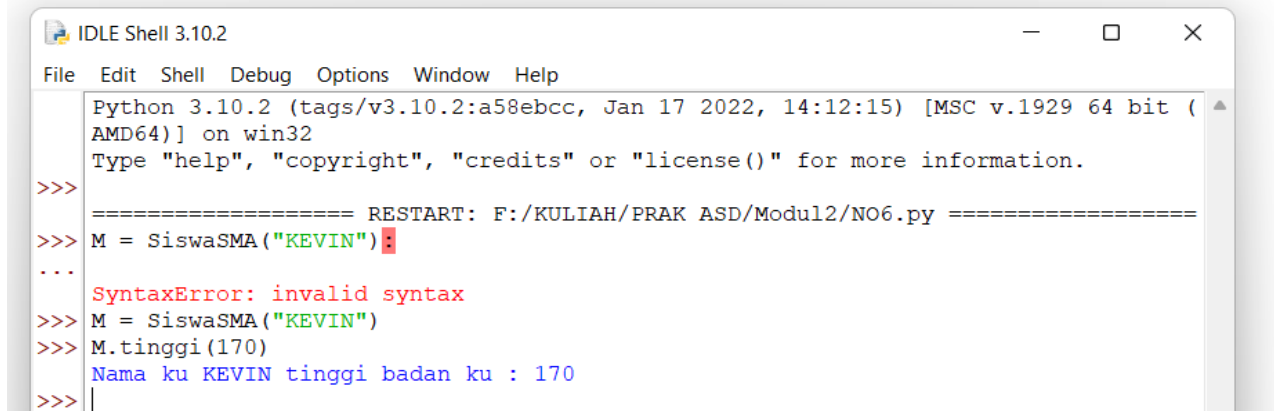
>>> m234.listKuliah()
['Prak ASD', 'ASD']
>>> m234.hapuskuliah('ASD')
>>> m234.listKuliah()
['Prak ASD']
>>> |
```

No 6

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```
from LatOOP3 import Manusia
class SiswaSMA(object):
    """DIRI"""
    def __init__(self,nama):
        self.nama = nama

    def tinggi(self,t):
        print("Nama ku",self.nama,"tinggi badan ku :",t)
    def umur(self,u):
        print("umur : ")
```



```
IDLE Shell 3.10.2
File Edit Shell Debug Options Window Help
Python 3.10.2 (tags/v3.10.2:a58ebcc, Jan 17 2022, 14:12:15) [MSC v.1929 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: F:/KULIAH/PRAK ASD/Modul2/NO6.py =====
>>> M = SiswaSMA("KEVIN"):
...
SyntaxError: invalid syntax
>>> M = SiswaSMA("KEVIN")
>>> M.tinggi(170)
Nama ku KEVIN tinggi badan ku : 170
>>> |
```

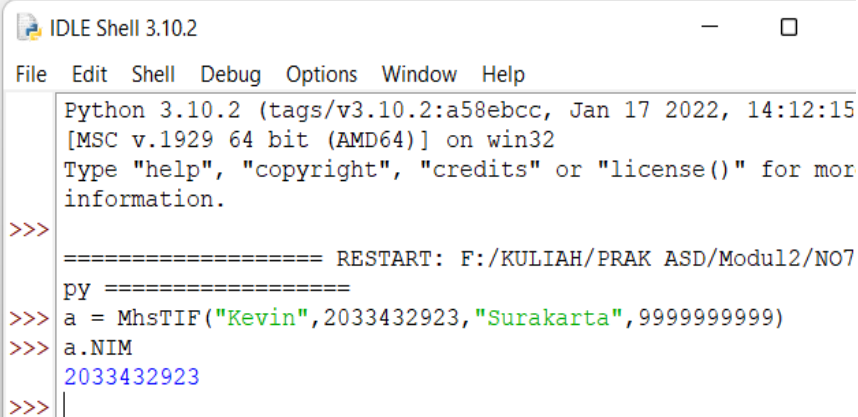
No 7

NO7.py - F:/KULIAH/PRAK ASD/Modul2/NO7.py (3.10.2)

File Edit Format Run Options Window Help

```
from NO4 import Mahasiswa

class MhsTIF(Mahasiswa):
    def katakanpy(self):
        print('python is cool')
```



```
IDLE Shell 3.10.2
File Edit Shell Debug Options Window Help
Python 3.10.2 (tags/v3.10.2:a58ebcc, Jan 17 2022, 14:12:15) [MSC v.1929 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for mor
information.
>>>
===== RESTART: F:/KULIAH/PRAK ASD/Modul2/NO7
py =====
>>> a = MhsTIF("Kevin", 2033432923, "Surakarta", 9999999999)
>>> a.NIM
2033432923
>>> |
```

No 7 berasal dari class Mahasiswa dikarenakan metode NIM diclass Mahasiswa