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NIM : L200180007

Kelas : A

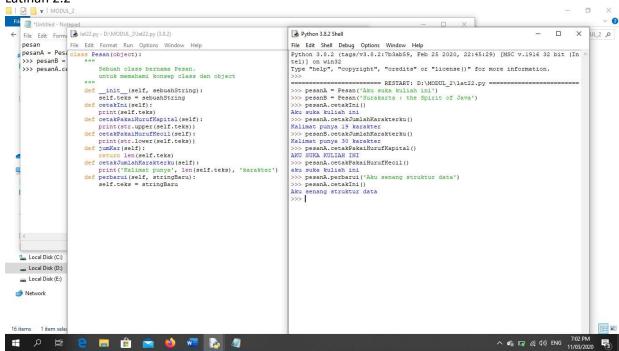
• Latihan 2.1

```
ModulePythonPertamaku.py - D:\MODUL_2\ModulePythonPertamaku.py (3.8.2)
   File Edit Format Run Options Window Help
 def ucapkanSalam():
                        print("Assalamu'alikum")
 def kuadratkan(x):
                        return x * x
 buah = "Mangga"
 daftarBaju = ["batik", "loreng", "resmi berdasi"]
  jumlahBaju = len(daftarBaju)
Python 3.8.2 Shell
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 - 0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 X
>>> ModulePythonPertamaku.ucapkanSalam(
Assalamu'alikum
>>> ModulePythonPertamaku.kuadratkan(5)
25
   25
>>> ModulePythonPertamaku.buah
'Mangga'
>>> import ModulePythonPertamaku as mpp
    >>> mpp.ucapkanSalam()
   Assalamu'alikum
    >>> mpp.daftarBaiu
   ['batik', 'loreng', 'resmi berdasi']
      >> mpp.jumlahBaju
    >>> ucap()
Assalamu'alikum

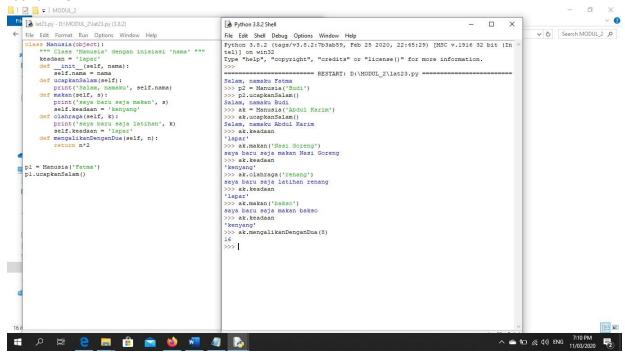
22 desty
Assalamu'alikum
23 dir()
['ModulePythonPertamaku', 'annotations ', 'builtins ', 'doc ', 'file ', 'loader ', 'name ', 'package ', 'spec ', 'buah', 'daftarBaju', 'jumlahB
aju', 'kuadratkan', 'mpp', 'ucap', 'ucapkanSalam']
23 dir()
['ModulePythonPertamaku', 'annotations ', 'builtins ', 'doc ', 'file ', 'loader ', 'name ', 'package ', 'spec ', 'buah', 'daftarBaju', 'jumlahB
aju', 'kuadratkan', 'm', 'mpp', 'ucap', 'ucapkanSalam']
23 dir()
['doc ', 'loader ', 'name ', 'package ', 'spec ', 'acos', 'acosh', 'asin', 'asinh', 'atan', 'atanl', 'ceil', 'comb', 'copysign', 'cos', 'cosh',
'degrees', 'dist', 'e', 'erf', 'exfc', 'exp', 'expml', 'fabs', 'factorial', 'floor', 'fmod', 'frewp', 'fsum', 'gamma', 'god', 'hypot', 'inf', 'isolose', 'isfinite', 'i
sinf', 'isnan', 'isqrt', 'idexp', 'lgamma', 'log', 'logl0', 'loglp', 'log2', 'modf', 'nan', 'perm', 'pi', 'pow', 'prod', 'radians', 'remainder', 'sin', 'sinh', 'sqrt',
'yon', 'tom', 'trani, 'trani, 'trani', 'tr
 >>> dft()

['ModulePythonPertamaku', 'annotations', 'builtins', 'doc', 'file', 'loader', 'name', 'package', 'spec', 'addaudithook', 'api version', 'argv', 'audit', 'base exec prefix', 'base prefix', 'breakpointhook', 'buah', 'builtin module names', 'byteorder', 'call tracing', 'callstats', 'copyright', 'daftarBaj u', 'displayhook', 'dilhandle', 'dont write bytecode', 'exc info', 'excepthook', 'exec prefix', 'executable', 'exi', 'filags', 'float info', 'float repr style', 'get synogen hooks', 'get coroutine origin tracking depth', 'getallocatedblocks', 'getoheckinterval', 'gettfactuatencoding', 'getfrecursionlimit', 'getrefcount', 'getsiereof', 'getswitchinterval', 'gettrace', 'getvindowsversion', 'hash info', 'hexversion', 'implementation', 'intinfo', 'intern', 'is finalizing', 'jumlahBaju', 'kuadratkan', 'm', 'maxsize', 'maxunicode', 'meta_path', 'modules', 'mpp', 'path', 'path hooks', 'path importer ca che', 'platform', 'prefix', 'pycache prefix', 'set asynogen hooks', 'set coroutine origin tracking depth', 'setcheckinterval', 'setprofile', 'setrecursionlimit', 'sets witchinterval', 'settrace', 'stderr', 'stdin', 'stdout', 'thread_info', 'ucap', 'ucapkanSalam', 'unraisablehook', 'version', 'version info', 'warnoptions', 'winver']
     >>> dir()
                                                                                                                                                                                                                                                                                                                                                                                                                                      へ 偏 ほ (信47 PM 11/03/2020
     # P # C | W O O O O
```

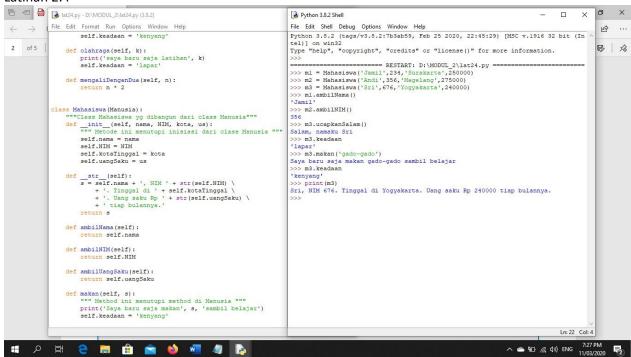
• Latihan 2.2



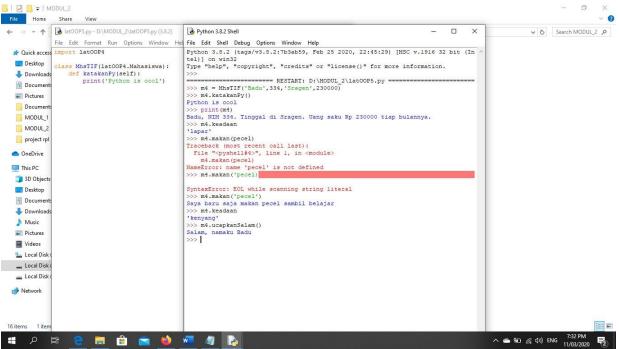
Latihan 2.3



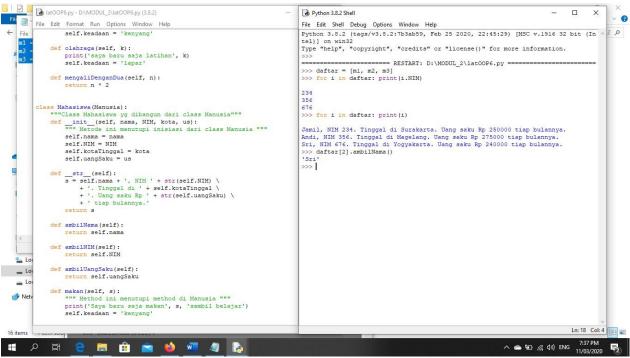
### • Latihan 2.4



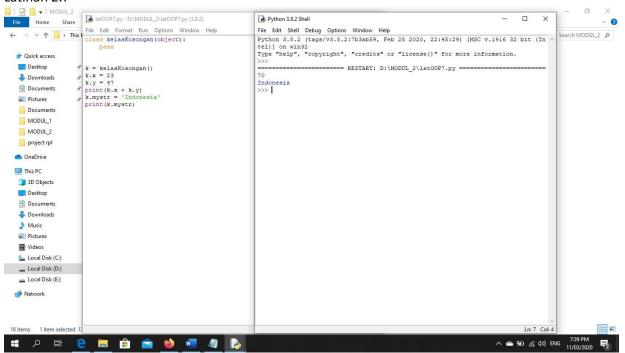
### Latihan 2.5



#### Latihan 2.6



### • Latihan 2.7



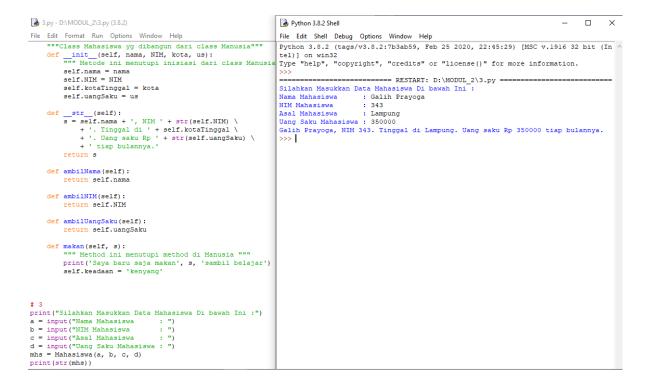
### Soal-soal

# 1. Soal no 1

a.

```
3.8.2) 1.py - D:\MODUL_2\1.py
                                                         Python 3.8.2 Shell
                                                         File Edit Shell Debug Options Window Help
File Edit Format Run Options Window Help
class Pesan(object):
                                                         Python 3.8.2 (tags/v3.8.2:7b3ab59, Feb 25 2020, 22:45:29)
   def __init__(self, sebuahString):
    self.teks = sebuahString
                                                         tel)] on win32
Type "help", "copyright", "credits" or "license()" for more
   def cetakIni(self):
                                                                             ===== RESTART: D:\MODUL_2\1.py =====
                                                         >>> p9 = Pesan('Indonesia adalah negeri yang ndah')
>>> p9.apakahTerkandung('ege')
      print(self.teks)
   def cetakPakaiKapital(self):
                                                         True
      print(str.upper(self.teks))
                                                          >>> p9.apakahTerkandung('eka')
                                                         False
   def cetakPakaiKecil(self):
      print(str.lower(self.teks))
       return len(self.teks)
   def cetakJmlKar(self):
      print('Kalimat punya', len(self.teks), 'karakter')
   def perbarui(self, stringBaru):
       self.teks = stringBaru
    def apakahTerkandung(self, kata):
       return kata in self.teks
b.
                                                     >>>
    # 1b
                                                     ====== RESTART: D:\MODUL_2\1.py =
    def jumlahHurufKonsonan(self):
                                                     >>> pl0 = Pesan('Surakarta')
         vokal = 'aiueoAIUEO'
                                                     >>> pl0.jumlahHurufKonsonan()
         kata = self.teks.lower()
         jmlK = 0
                                                     >>>
         pjgKata = len(kata)
         for huruf in kata:
             if huruf not in vokal:
                 jmlK += 1
         return jmlK
c.
 # 1c
                                                        ====== RESTART: D:
 def jumlahHurufVokal(self):
                                                        >>> p10 = Pesan('Surakarta')
      vokal = 'aiueoAIUEO'
                                                        >>> pl0.jumlahHurufVokal()
      kata = self.teks.lower()
      jmlV = 0
                                                        >>>
      pjgKata = len(kata)
      for huruf in kata:
           if huruf in vokal:
                jmlV += 1
      return jmlV
```

```
2.pv - D:\MODUL 2\2.pv (3.8.2)
                                                                                                                              Python 3.8.2 Shell
                                                                                                                                                                                                                                                                        пх
File Edit Format Run Options Window Help
self.nama = nama
                                                                                                                               File Edit Shell Debug Options Window Help
                                                                                                                              Python 3.8.2 (tags/v3.8.2:7b3ab59, Feb 25 2020, 22:45:29) [MSC v.1916 32 bit (In ^ tel)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
                self.NIM = NIM
               self.kotaTinggal = kota
self.uangSaku = us
                                                                                                                              >>> m7 = Mahasiswa('Ani',444,'Klaten',270000)
>>> m8 = Mahasiswa('Ridho',555,'Surabaya',300000)
>>> m9 = Mahasiswa('Ridho',555,'Surabaya',300000)
'Surabaya'
       def _ str_ (self):
    s = self.nama + ', NIM ' + str(self.NIM) \
        + '. Tinggal di ' + self.kotaTinggal \
        + '. Uang saku Rp ' + str(self.uangSaku) \
        + ' tiap bulannya.'
                                                                                                                               'Surabaya'
>>> m9.perbaruiKotaTinggal('Sleman')
>>> m9.ambilKotaTinggal()
'Sleman'
>>> m7.ambilUangSaku()
270000
        def ambilNama(self):
                 return self.nama
                                                                                                                                >>> m7.tambahUangSaku(50000)
        def ambilNIM(self):
        def ambilUangSaku(self):
                return self.uangSaku
       def makan(self, s):
               """ Method ini menutupi method di Manusia """
print('Saya baru saja makan', s, 'sambil belajar')
self.keadaan = 'kenyang'
       # 2a
def ambilKotaTinggal(self):
    return self.kotaTinggal
        def perbaruiKotaTinggal(self, ubah):
    self.kotaTinggal = ubah
       # 2c
def tambahUangSaku(self, e):
    self.uangSaku += e
    return self.uangSaku
```



```
4.py - D:\MODUL_2\4.py (3.8.2)
                                                                                                                               Python 3.8.2 Shell
                                                                                                                                                                                                                                                         - 🗆 X
File Edit Format Run Options Window Help
                                                                                                                                File Edit Shell Debug Options Window Help
                                                                                                                                Python 3.8.2 (tags/v3.8.2:7b3ab59, Feb 25 2020, 22:45:29) [MSC v.1916 32 bit (In ^ tel)] on win32

Type "help", "copyright", "credits" or "license()" for more information.
       def mengaliDenganDua(self, n):
    return n * 2
                                                                                                                                >>> m3 = Mahasiswa('Sri',676,'Yogyakarta',240000)
class Mahasiswa (Manusia):
      ss Mahasiswa (Manusia):
"""Class Mahasiswa yg dibangun dari class Manusia"""

def __init__(self, nama, NIM, kota, us):
    """ Metode ini menutupi inisiasi dari class Manusia """
    self.nama = nama
    self.NIM = NIM
                                                                                                                                 >>> m3.listKuliah
                                                                                                                                >>> m3.ii9txui.au
[]
>>> m3.ambilKuliah('Informatika')
>>> m3.ambilKuliah('Farmasi')
>>> m3.istKuliah
['Informatika', 'Farmasi']
>>> |
               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 ambilHangSaku(self):
       def makan(self, s):
                     Method ini menutupi method di Manusia """
              print('Saya baru saja makan', s, 'sambil belajar')
self.keadaan = 'kenyang'
        # 4
listKuliah = []
def ambilKuliah(self, kuliah):
    self.listKuliah.append(kuliah)
```

```
5.py - D:\MODUL_2\5.py (3.8.2)
                                                                                                        Python 3.8.2 Shell
                                                                                                                                                                                                                           File Edit Shell Debug Options Window Help
File Edit Format Run Options Window Help
                                                                                                        Python 3.8.2 (tags/v3.8.2:7b3ab59, Feb 25 2020, 22:45:29) [MSC v.1916 32 bit (In tel)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
class Mahasiswa(Manusia):
    """Class Mahasiswa yg dibangun dari class Manusia"""
    def __init_ (self, nama, NIM, kota, us):
        """ Metode ini menutupi inisiasi dari class Manusia """
    self.nama = nama
    self.NIM = NIM
                                                                                                                           ----- RESTART: D:\MODUL_2\5.py ----
                                                                                                        >>> m3 = Mahasiswa('Sri',676,'Yogyakarta',240000)
>>> m3.listKuliah
             self.kotaTinggal = kota
self.uangSaku = us
                                                                                                         >>> m3.ambilKuliah('Basis Data')
                                                                                                        >>> m3.ambilKullah('Algoritma')
>>> m3.listKuliah
['Basis Data', 'Algoritma']
>>> m3.hapusKuliah('Algoritma')
      >>> m3.listKuliah

['Basis Data']

>>> |
             return s
      def ambilNama(self):
    return self.nama
      def ambilNIM(self):
      def ambilUangSaku(self):
             return self.uangSaku
      def makan(self, s):
    """ Method ini menutupi method di Manusia """
    print('Saya baru saja makan', s, 'sambil belajar')
    self.keadaan = 'kenyang'
      listKuliah = []
def ambilKuliah(self, kuliah):
             self.listKuliah.append(kuliah)
      def hapusKuliah(self, item):
             self.listKuliah.remove(item)
                                                                                                                                                                                                                              Ln: 15 Col: 4
```

