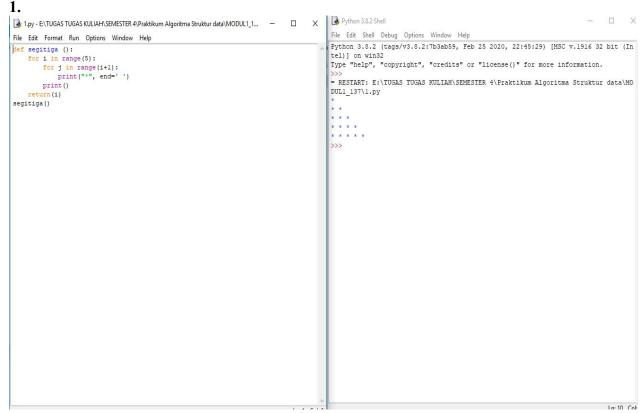
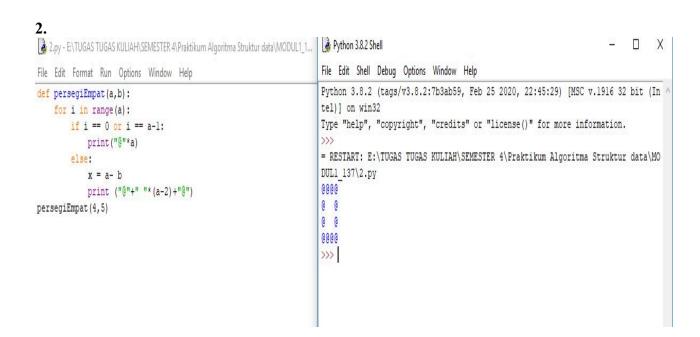
NAMA: NOVERA DYAH A.

NIM: L200180026

KELAS: B

MODUL 1





```
3.
🔊 3ab.py - E\TUGAS TUGAS KULIAH\SEMESTER 4\Praktikum Algoritma Struktur data\MODUL1... – 🔲 X
File Edit Format Run Options Window Help
                                                                                         File Edit Shell Debug Options Window Help
def jumlahHurufVokal(input):
                                                                                        Python 3.8.2 (tags/v3.8.2:7b3ab59, Feb 25 2020, 22:45:29) [MSC v.1916 32 bit (In
     total = 0
     voc = ["a", "i", "u", "e", "o"]
                                                                                        Type "help", "copyright", "credits" or "license()" for more information.
    for i in input:
   if i in voc:
                                                                                        = RESTART: E:\TUGAS TUGAS KULIAH\SEMESTER 4\Praktikum Algoritma Struktur data\MO
            total+=1
                                                                                        DUL1 137\3ab.py
    return [len(input), total]
                                                                                        [9, 4]
[9, 5]
def jumlahHurufKonsonan(input):
    total = 0

voc = ["a", "i", "u", "e", "o"]
     for i in input:
        if i in voc:
             total+=1
    return [len(input), len(input)-total]
v = jumlahHurufVokal("Surakarta")
k = jumlahHurufKonsonan("Surakarta")
print(v)
print(k)
4.
4,py - E\TUGAS TUGAS KULIAH\SEMESTER 4\Praktikum Algoritma Struktur data\MODUL1 1... – 🔲 🗶
                                                                                             Python 3.8.2 Shell
                                                                                                                                                                          - □ X
File Edit Format Run Options Window Help
                                                                                              File Edit Shell Debug Options Window Help
def rerata(b):
                                                                                              Python 3.8.2 (tags/v3.8.2:7b3ab59, Feb 25 2020, 22:45:29) [MSC v.1916 32 bit (In
    sum = 0
     for i in b :
                                                                                              Type "help", "copyright", "credits" or "license()" for more information.
         sum += i
                                                                                              >>>
    return (sum/len(b))
                                                                                              = RESTART: E:\TUGAS TUGAS KULIAH\SEMESTER 4\Praktikum Algoritma Struktur data\MO
                                                                                              DUL1 137\4.py
                                                                                              >>> rerata([1,2,3,4,5])
                                                                                             3.0
                                                                                              >>> g = [3,4,5,4,3,4,5,2,2,10,11,23]
                                                                                              >>> rerata(g)
                                                                                              6.3333333333333333
                                                                                              >>>
5.
                                                                                                                                                                 - □ ×
                                                                                        Python 3.8.2 Shell
🚺 5.py - E:\TUGAS TUGAS KULIAH\SEMESTER 4\Praktikum Algoritma Struktur data\MODUL1_1... — 🔲 🗶
                                                                                         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
from math import sqrt as sq
def apakahPrima(n):
                                                                                         tel)] on win32
                                                                                        Type "help", "copyright", "credits" or "license()" for more information.
    n = int(n)
assert n>=0
                                                                                         >>> = RESTART: E:\TUGAS TUGAS KULIAH\SEMESTER 4\Praktikum Algoritma Struktur data\MO
    primaKecil = [2,3,5,7,11]
bukanPrKecil = [0,1,4,6,8,9,10]
if n in primaKecil:
                                                                                        DUL1 137\5.py
                                                                                        False
False
                                                                                         False
    elif n in bukanPrKecil:
        return False
    else:
         for i in range(2,int(sg(n))+1):
            if n%l ==0: #Jika nanti hasilnya bukan prima
                 return False
            else: #Jika nanti hasilnya prima
                return True
print(apakahPrima(17))
print (apakahPrima (97))
print (apakahPrima (123))
```

6

7.py - E:\TUGAS TUGAS KULIAH\SEMESTER 4\Praktikum Algoritma Struktur data\MODUL1_1... - 🗆 🗙 Python 3.8.2 Shell

7.

```
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.
 File Edit Format Run Options Window Help
He Edit Format Run U

lef faktorPrima(x):
    a = []
    b = []
    hasil = 0
    bil = x
    prima = True
                                                                                                                     >>>
= RESTART: E:\TUGAS TUGAS KULIAH\SEMESTER 4\Praktikum Algoritma Struktur data\MO
DUL1_137\7.py
>>> faktorPrima(10)
[2, 5]
>>> faktorPrima(120)
     >>> faktorPrima(120)
[2, 2, 2, 3, 5]
>>> faktorPrima(19)
[]
>>>
          try:

if (bil%a[idx]) == 0:

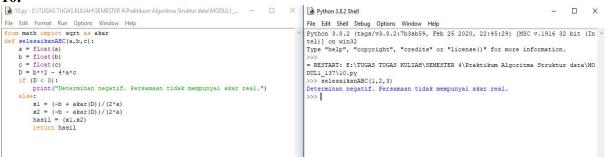
hasil = bil/a[idx]

bil = hasil

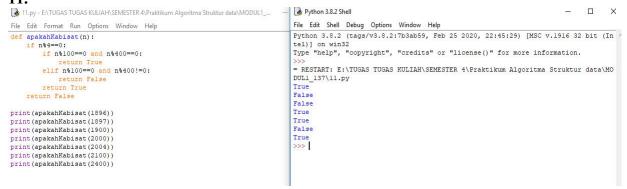
b.append(a[idx])
                 else :
  idx = idx + 1
           idx = idx +
except IndexError :
break
      print (b)
8.
 🔊 8. py - E\TUGAS TUGAS KULIAH\SEMESTER 4\Praktikum Algoritma Struktur data\MODUL1_1... – 🔲 X 🕟 Python 3.8.2 Shell
                                                                                                                                                                                                                            File Edit Format Run Options Window Help
                                                                                                                       File Edit Shell Debug Options Window Help
def apakahTerkandung(a,b):
                                                                                                                       Python 3.8.2 (tags/v3.8.2:7b3ab59, Feb 25 2020, 22:45:29) [MSC v.1916 32 bit (Ir
      return a in b
                                                                                                                       tel)] on win32
                                                                                                                       Type "help", "copyright", "credits" or "license()" for more information.
 h = "do"
 k = "Indonesia tanah air beta"
                                                                                                                       = RESTART: E:\TUGAS TUGAS KULIAH\SEMESTER 4\Praktikum Algoritma Struktur data\MK
 print (apakahTerkandung(h, k))
                                                                                                                       DUL1 137\8.py
 print (apakahTerkandung("pusaka", k))
                                                                                                                       True
                                                                                                                       False
                                                                                                                       >>>
```



10.



11



12.

```
| File Edit Format Run Options Window Help | File Edit Shell Debug Opt
```

13.

```
| Title | Titl
```

14.

