

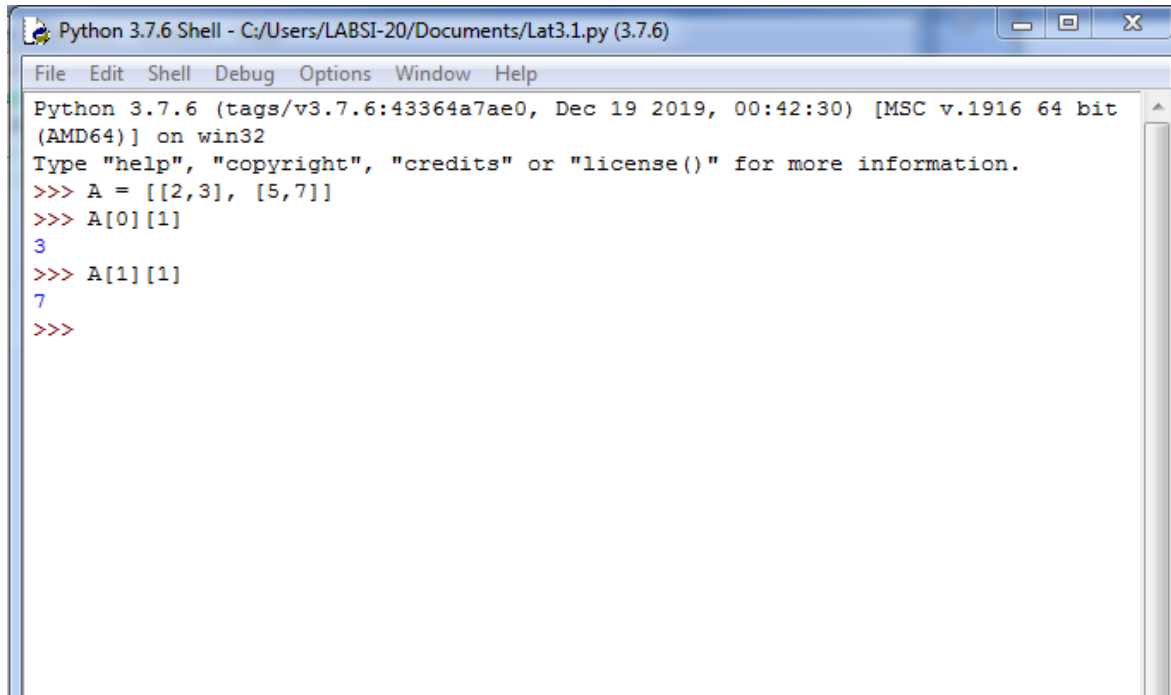
Nama : Alfian Yulianto

NIM : L200180121

Kelas :E

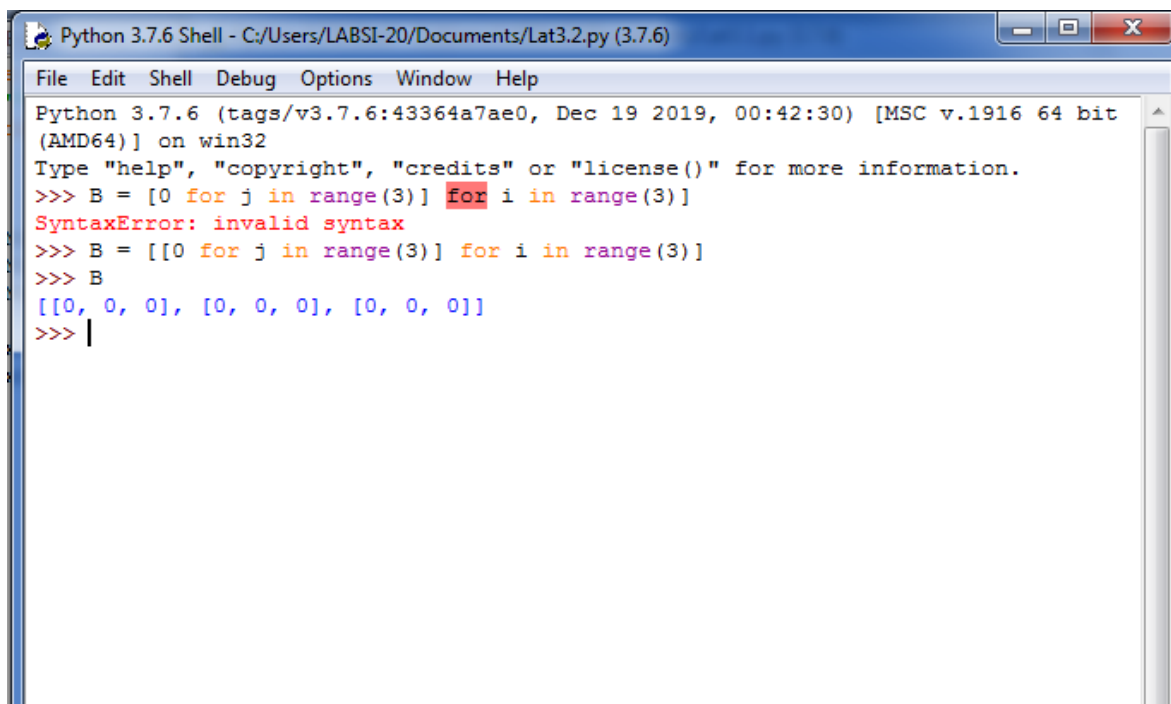
Modul 3

Latihan 1



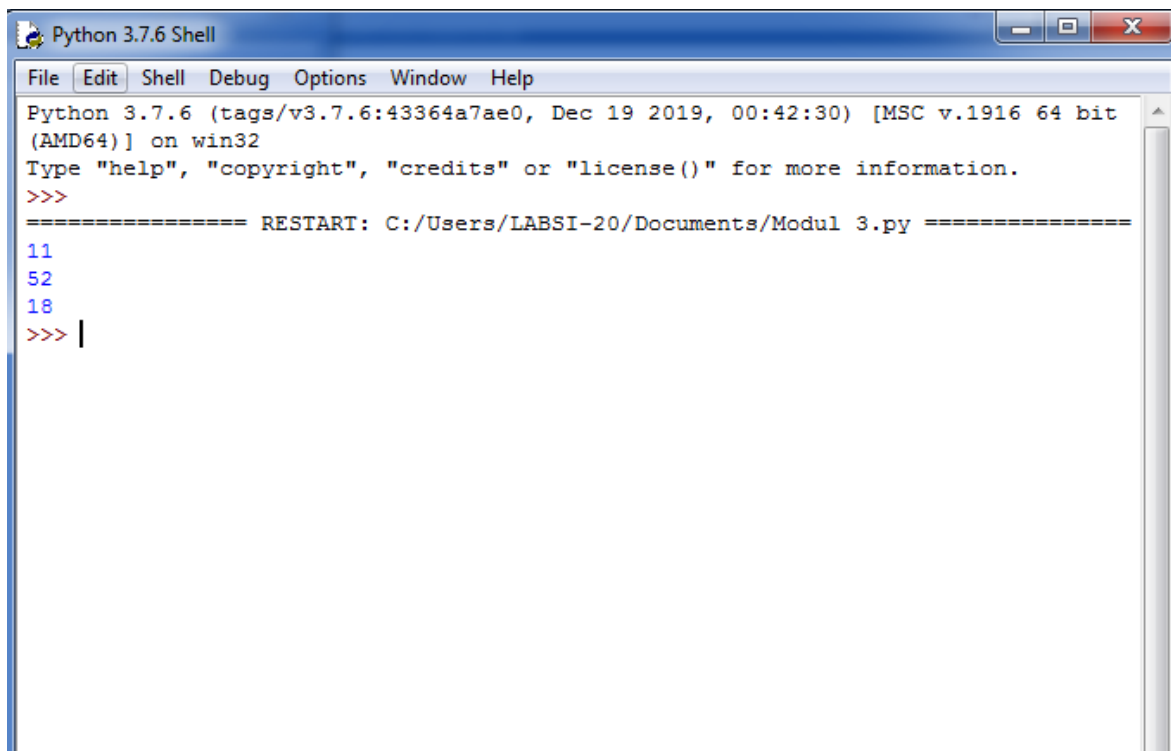
```
Python 3.7.6 Shell - C:/Users/LABSI-20/Documents/Lat3.1.py (3.7.6)
File Edit Shell Debug Options Window Help
Python 3.7.6 (tags/v3.7.6:43364a7ae0, Dec 19 2019, 00:42:30) [MSC v.1916 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>> A = [[2,3], [5,7]]
>>> A[0][1]
3
>>> A[1][1]
7
>>>
```

Latihan 2



```
Python 3.7.6 Shell - C:/Users/LABSI-20/Documents/Lat3.2.py (3.7.6)
File Edit Shell Debug Options Window Help
Python 3.7.6 (tags/v3.7.6:43364a7ae0, Dec 19 2019, 00:42:30) [MSC v.1916 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>> B = [0 for j in range(3)] for i in range(3)]
SyntaxError: invalid syntax
>>> B = [[0 for j in range(3)] for i in range(3)]
>>> B
[[0, 0, 0], [0, 0, 0], [0, 0, 0]]
>>> |
```

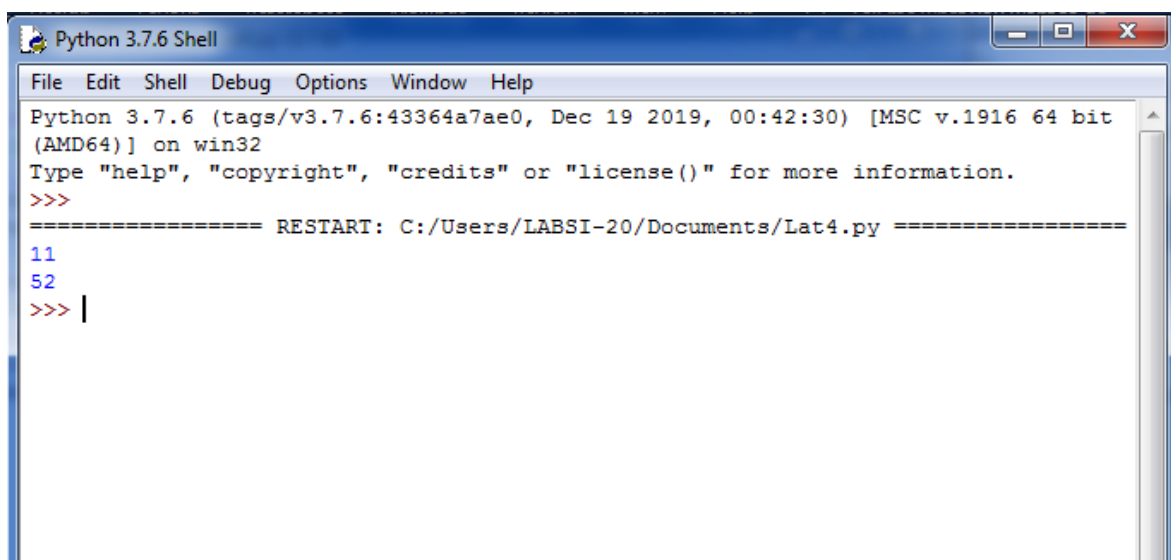
Latihan 3



The screenshot shows a Python 3.7.6 Shell window with a menu bar (File, Edit, Shell, Debug, Options, Window, Help). The main text area displays the following content:

```
Python 3.7.6 (tags/v3.7.6:43364a7ae0, Dec 19 2019, 00:42:30) [MSC v.1916 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: C:/Users/LABSI-20/Documents/Modul 3.py =====
11
52
18
>>> |
```

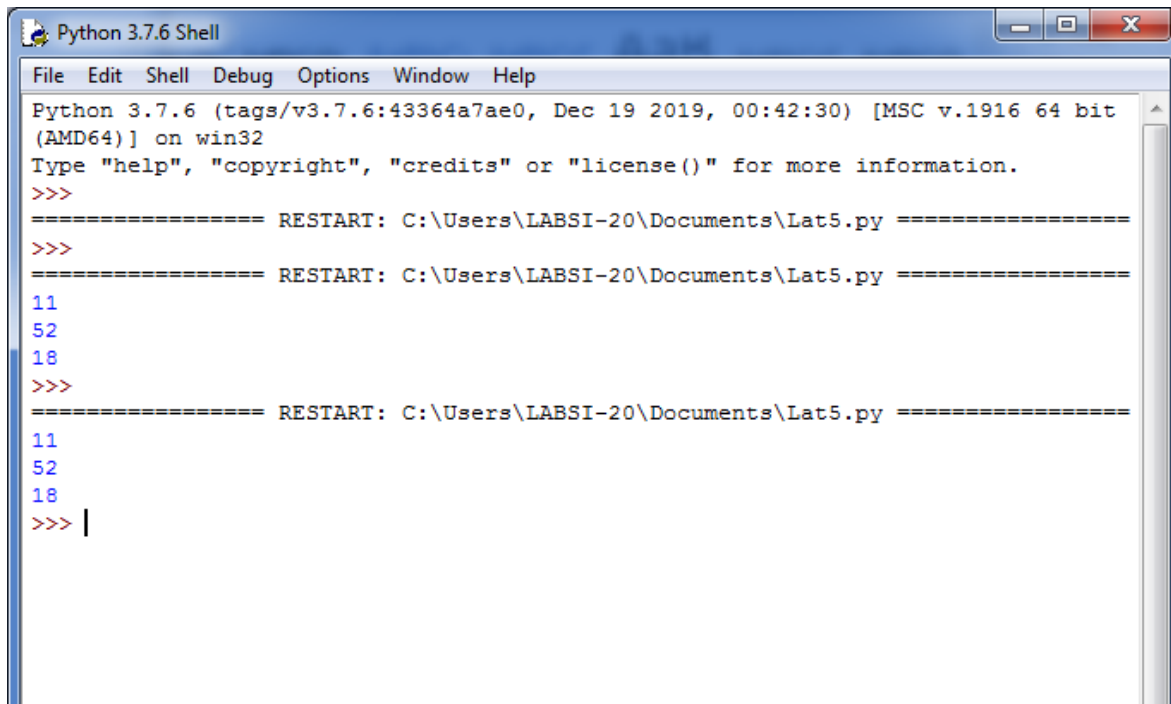
Latihan 4



The screenshot shows a Python 3.7.6 Shell window with a menu bar (File, Edit, Shell, Debug, Options, Window, Help). The main text area displays the following content:

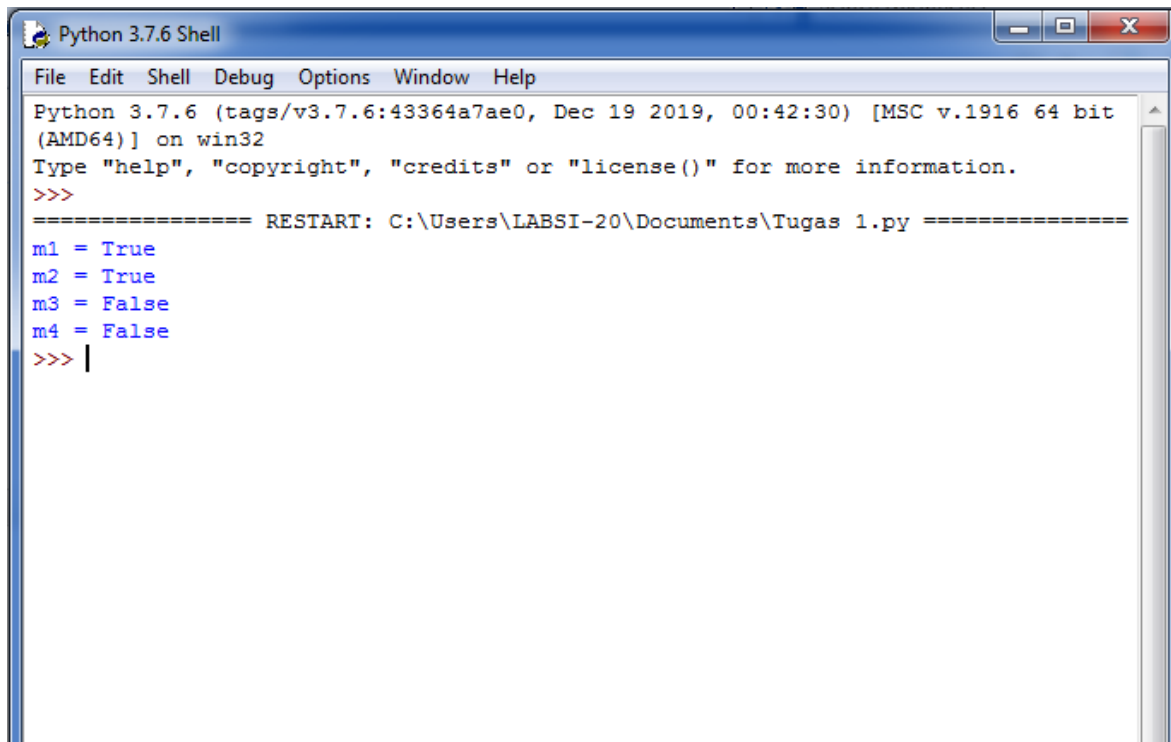
```
Python 3.7.6 (tags/v3.7.6:43364a7ae0, Dec 19 2019, 00:42:30) [MSC v.1916 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: C:/Users/LABSI-20/Documents/Lat4.py =====
11
52
>>> |
```

Latihan 5



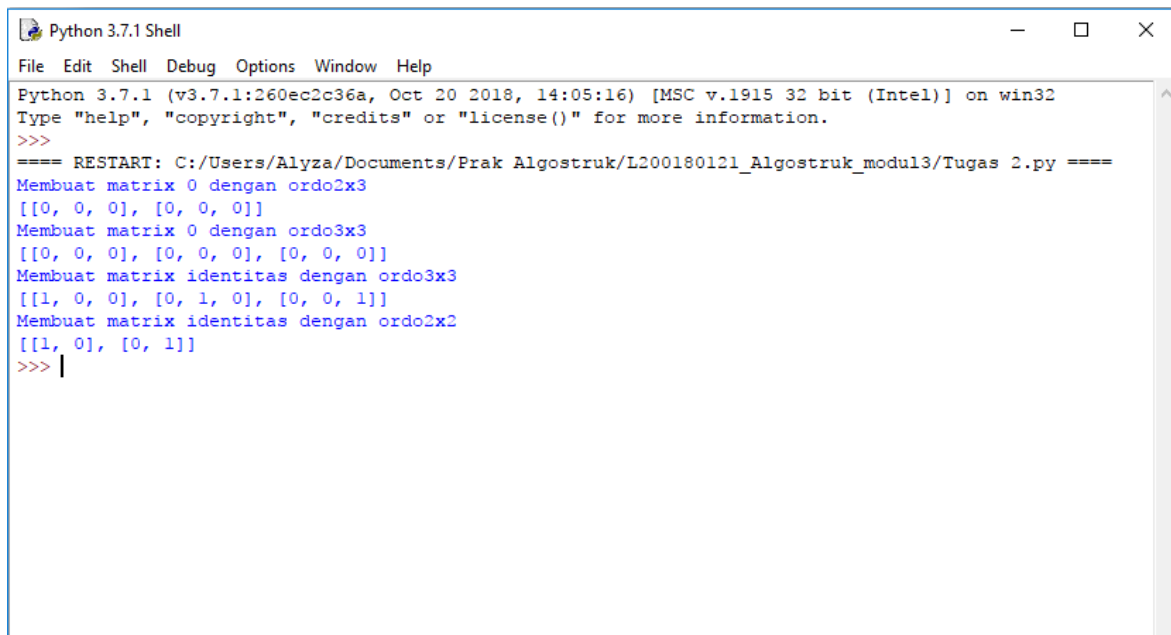
```
Python 3.7.6 Shell
File Edit Shell Debug Options Window Help
Python 3.7.6 (tags/v3.7.6:43364a7ae0, Dec 19 2019, 00:42:30) [MSC v.1916 64 bit
(AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: C:\Users\LABSI-20\Documents\Lat5.py =====
>>>
===== RESTART: C:\Users\LABSI-20\Documents\Lat5.py =====
11
52
18
>>>
===== RESTART: C:\Users\LABSI-20\Documents\Lat5.py =====
11
52
18
>>> |
```

Tugas 1



```
Python 3.7.6 Shell
File Edit Shell Debug Options Window Help
Python 3.7.6 (tags/v3.7.6:43364a7ae0, Dec 19 2019, 00:42:30) [MSC v.1916 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: C:\Users\LABSI-20\Documents\Tugas 1.py =====
m1 = True
m2 = True
m3 = False
m4 = False
>>> |
```

Tugas 2



```
Python 3.7.1 Shell
File Edit Shell Debug Options Window Help
Python 3.7.1 (v3.7.1:260ec2c36a, Oct 20 2018, 14:05:16) [MSC v.1915 32 bit (Intel)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: C:/Users/Alyza/Documents/Prak Algostruk/L200180121_Algostruk_modul3/Tugas 2.py =====
Membuat matrix 0 dengan ordo2x3
[[0, 0, 0], [0, 0, 0]]
Membuat matrix 0 dengan ordo3x3
[[0, 0, 0], [0, 0, 0], [0, 0, 0]]
Membuat matrix identitas dengan ordo3x3
[[1, 0, 0], [0, 1, 0], [0, 0, 1]]
Membuat matrix identitas dengan ordo2x2
[[1, 0], [0, 1]]
>>> |
```

Tugas 3.1

```
Python 3.7.1 Shell
File Edit Shell Debug Options Window Help
Python 3.7.1 (v3.7.1:260ec2c36a, Oct 20 2018, 14:05:16) [MSC v.1915 32 bit (Intel)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
=== RESTART: C:\Users\Alyza\Documents\Prak Algostruk\L200180121_Algostruk_modul3\Tugas 3.1.py ===
Simpul awal
5
9
2
4
Headnya a, cari(a,(urutan data yang dicari))
>>> cari(a,1)
5
>>> cari(a,2)
9
>>> cari(a,3)
2
>>> cari(a,4)
4
>>> cari(a,5)
Data tidak tersedia
>>> |
```

Tugas 3.2

```
Python 3.7.1 Shell
File Edit Shell Debug Options Window Help
Python 3.7.1 (v3.7.1:260ec2c36a, Oct 20 2018, 14:05:16) [MSC v.1915 32 bit (Intel)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
=== RESTART: C:\Users\Alyza\Documents\Prak Algostruk\L200180121_Algostruk_modul3\Tugas 3.2.py ===
Simpul Awal
20
21
22
23
>>> tambahDepan(1)
Simpul setelah ditambah diawal
1
20
21
22
23
>>> |
```

Tugas 3.3

```
Python 3.7.1 Shell
File Edit Shell Debug Options Window Help
Python 3.7.1 (v3.7.1:260ec2c36a, Oct 20 2018, 14:05:16) [MSC v.1915 32 bit (Intel)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
=== RESTART: C:\Users\Alyza\Documents\Prak Algostruk\L200180121_Algostruk_modul3\Tambah 3.3.py ===
Simpul Awal
20
21
22
23
>>> tambahAkhir(4)
simpul setelah ditambah diakhir
20
21
22
23
4
>>> |
```

Tugas 3.4

```
Python 3.7.1 Shell
File Edit Shell Debug Options Window Help
Type "help", "copyright", "credits" or "license()" for more information.
>>>
=== RESTART: C:/Users/Alyza/Documents/Prak Algostruk/L200180121_Algostruk_modul3/Tugas 3.4.py ===
Simpul Awal
3
6
9
12
tambah(head,posisi)
posisi :
'a' = menambah nilai simpul pada simpul pertama
'b' = menambah nilai simpul pada simpul kedua
'c' = menambah nilai simpul pada simpul ketiga
'd' = menambah nilai simpul pada simpul keempat
>>> tambah(1,'a')
Setelah ditambah disimpul pertama
1
3
6
9
12
>>> tambah(19,'b')
Setelah ditambah disimpul kedua
3
19
6
9
12
...
>>> tambah(2,'c')
Setelah ditambah disimpul ketiga
3
6
2
9
12
>>> tambah(11,'d')
Setelah ditambah disimpul keempat
3
6
9
11
12
>>> tambah(20,'g')
Simpul setelah ditambah dimana saja
3
6
9
12
20
```

Tugas 3.5

```
Python 3.7.1 Shell
File Edit Shell Debug Options Window Help
Python 3.7.1 (v3.7.1:260ec2c36a, Oct 20 2018, 14:05:16) [MSC v.1915 32 bit (Intel)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
==== RESTART: C:/Users/Alyza/Documents/Prak Algostruk/L200180121_Algostruk_modul3/Tugas 3.5.py ====
Simpul Awal
5
10
15
20
hapus(posisi)
posisi :
'awal'
'tengah'
'akhir'
>>> hapus('awal')
10
15
20
>>> hapus('tengah')
5
15
20
>>> hapus('akhir')
5
10
15
>>> |
```

Tugas 4

```
Python 3.7.1 Shell
File Edit Shell Debug Options Window Help
Python 3.7.1 (v3.7.1:260ec2c36a, Oct 20 2018, 14:05:16) [MSC v.1915 32 bit (Intel)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
==== RESTART: C:\Users\Alyza\Documents\Prak Algostruk\L200180121_Algostruk_modul3\Tugas 4.py ====
>>> cetakDepan()
10
11
12
13
>>> cetakBelakang()
13
12
11
10
>>> tambahDepan(17)
Setelah ditambah diawal
17
10
11
12
13
>>> tambahBelakang(17)
setelah ditambah diakhir
17
13
12
11
10
>>> |
```