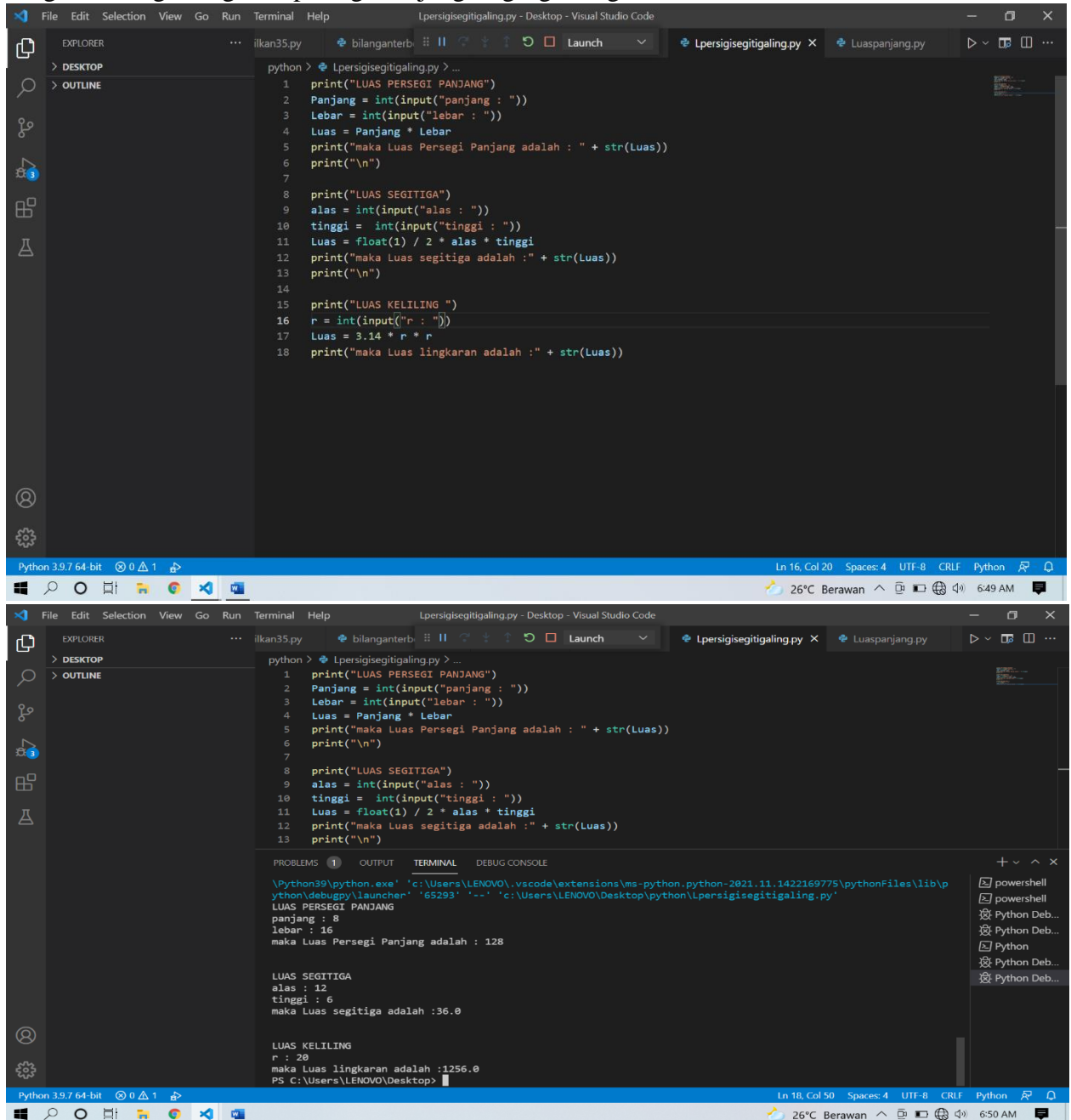


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Tugas Python 5

1. Program menghitung luas persegi Panjang, segitiga, lingkaran



```
python > Lpersigisegitigaling.py > ...
1 print("LUAS PERSEGI PANJANG")
2 Panjang = int(input("panjang : "))
3 Lebar = int(input("lebar : "))
4 Luas = Panjang * Lebar
5 print("maka Luas Persegi Panjang adalah : " + str(Luas))
6 print("\n")
7
8 print("LUAS SEGITIGA")
9 alas = int(input("alas : "))
10 tinggi = int(input("tinggi : "))
11 Luas = float(1) / 2 * alas * tinggi
12 print("maka Luas segitiga adalah : " + str(Luas))
13 print("\n")
14
15 print("LUAS KELILING ")
16 r = int(input("r : "))
17 Luas = 3.14 * r * r
18 print("maka Luas lingkaran adalah : " + str(Luas))
```

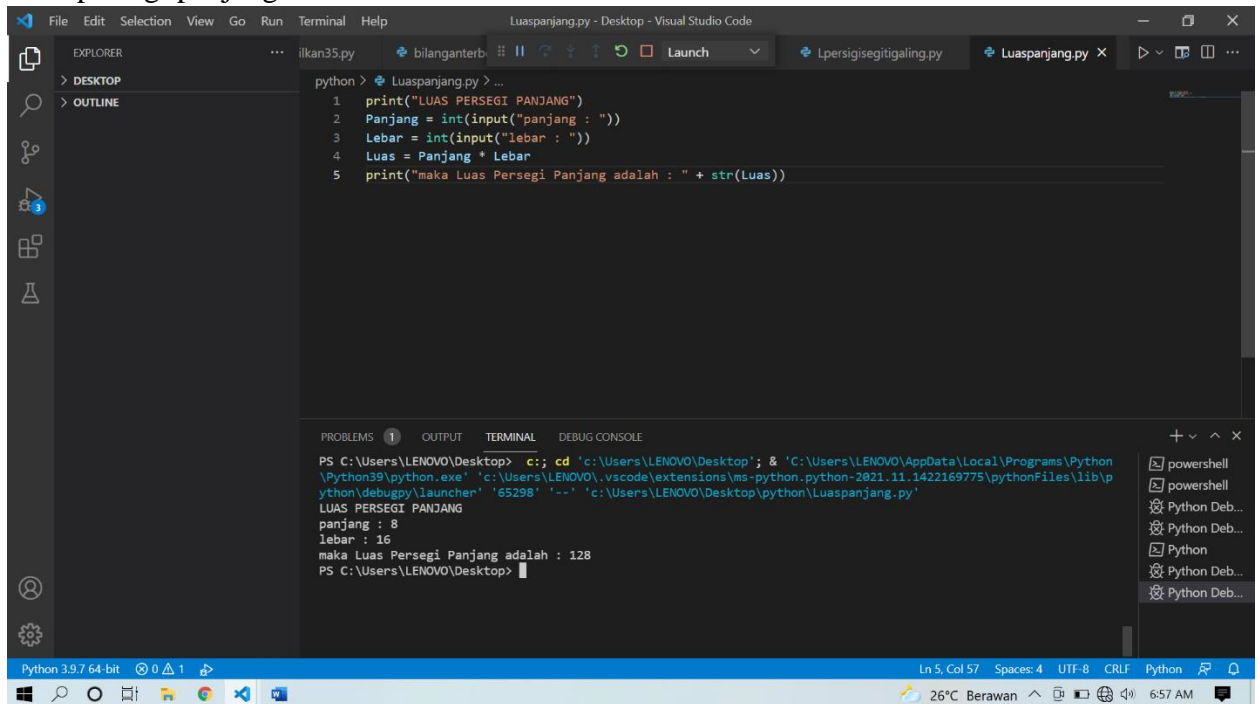
PROBLEMS 1 OUTPUT TERMINAL DEBUG CONSOLE

```
\Python39\python.exe' 'c:\Users\LENOVO\.vscode\extensions\ms-python.python-2021.11.1422169775\pythonFiles\lib\p
ython\debugpy\launcher' '65293' '--' 'c:\Users\LENOVO\Desktop\python\Lpersigisegitigaling.py'
LUAS PERSEGI PANJANG
panjang : 8
lebar : 16
maka Luas Persegi Panjang adalah : 128

LUAS SEGITIGA
alas : 12
tinggi : 6
maka Luas segitiga adalah :36.0

LUAS KELILING
r : 20
maka Luas lingkaran adalah :1256.0
PS C:\Users\LENOVO\Desktop>
```

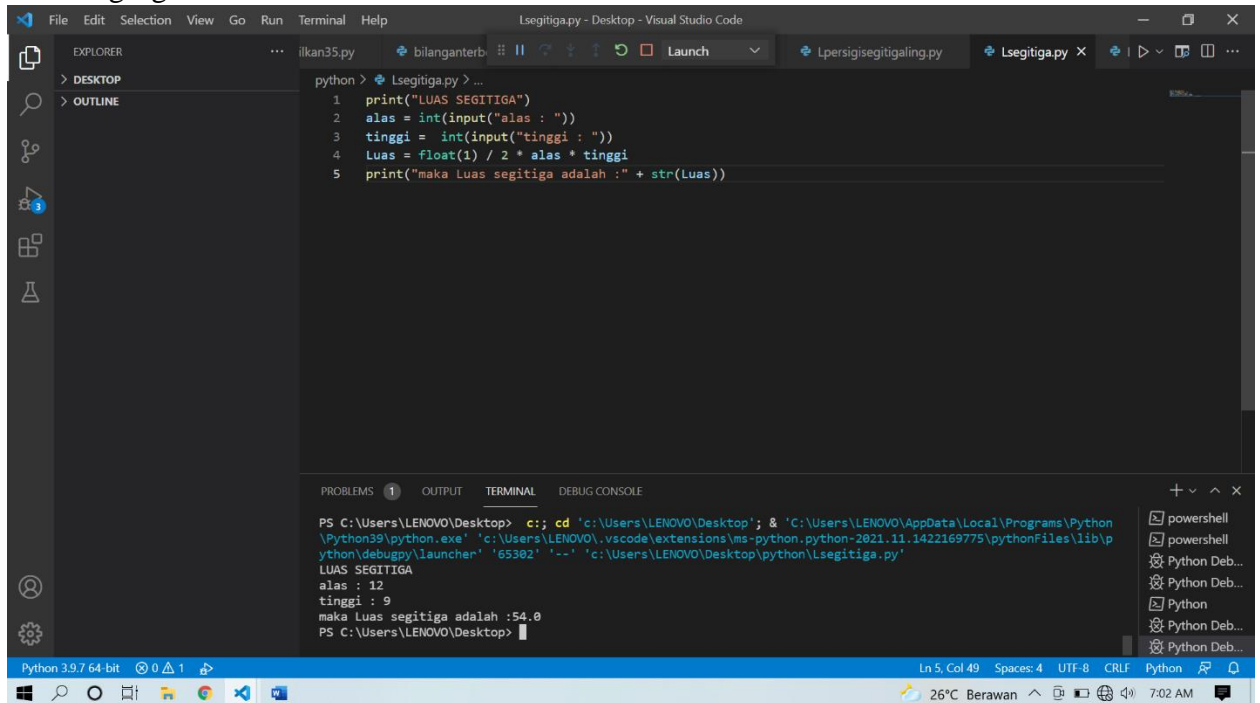
2. Modifikasi prosedur no 1 disimpan dalam file berbeda
Luas persegi panjang



```
python > Luaspanjang.py > ...
1 print("LUAS PERSEGI PANJANG")
2 Panjang = int(input("panjang : "))
3 Lebar = int(input("lebar : "))
4 Luas = Panjang * Lebar
5 print("maka Luas Persegi Panjang adalah : " + str(Luas))
```

```
PS C:\Users\LENOVO\Desktop> c::; cd 'c:\Users\LENOVO\Desktop'; & 'C:\Users\LENOVO\AppData\Local\Programs\Python\Python39\python.exe' 'c:\Users\LENOVO\.vscode\extensions\ms-python.python-2021.11.1422169775\pythonFiles\lib\python\debugpy\launcher' '65298' '--' 'c:\Users\LENOVO\Desktop\python\Luaspanjang.py'
LUAS PERSEGI PANJANG
panjang : 8
lebar : 16
maka Luas Persegi Panjang adalah : 128
PS C:\Users\LENOVO\Desktop>
```

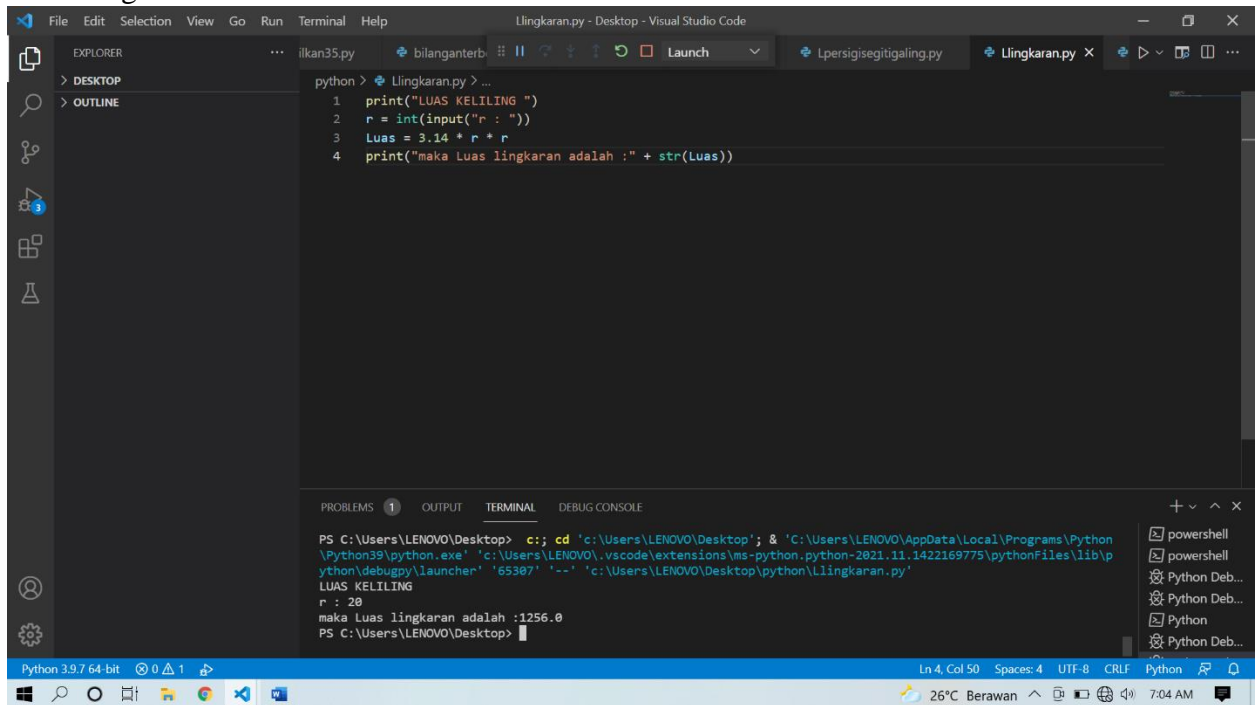
Luas Segitiga nn



```
python > Lsegitiga.py > ...
1 print("LUAS SEGITIGA")
2 alas = int(input("alas : "))
3 tinggi = int(input("tinggi : "))
4 Luas = float(1) / 2 * alas * tinggi
5 print("maka Luas segitiga adalah : " + str(Luas))
```

```
PS C:\Users\LENOVO\Desktop> c::; cd 'c:\Users\LENOVO\Desktop'; & 'C:\Users\LENOVO\AppData\Local\Programs\Python\Python39\python.exe' 'c:\Users\LENOVO\.vscode\extensions\ms-python.python-2021.11.1422169775\pythonFiles\lib\python\debugpy\launcher' '65302' '--' 'c:\Users\LENOVO\Desktop\python\Lsegitiga.py'
LUAS SEGITIGA
alas : 12
tinggi : 9
maka Luas segitiga adalah :54.0
PS C:\Users\LENOVO\Desktop>
```

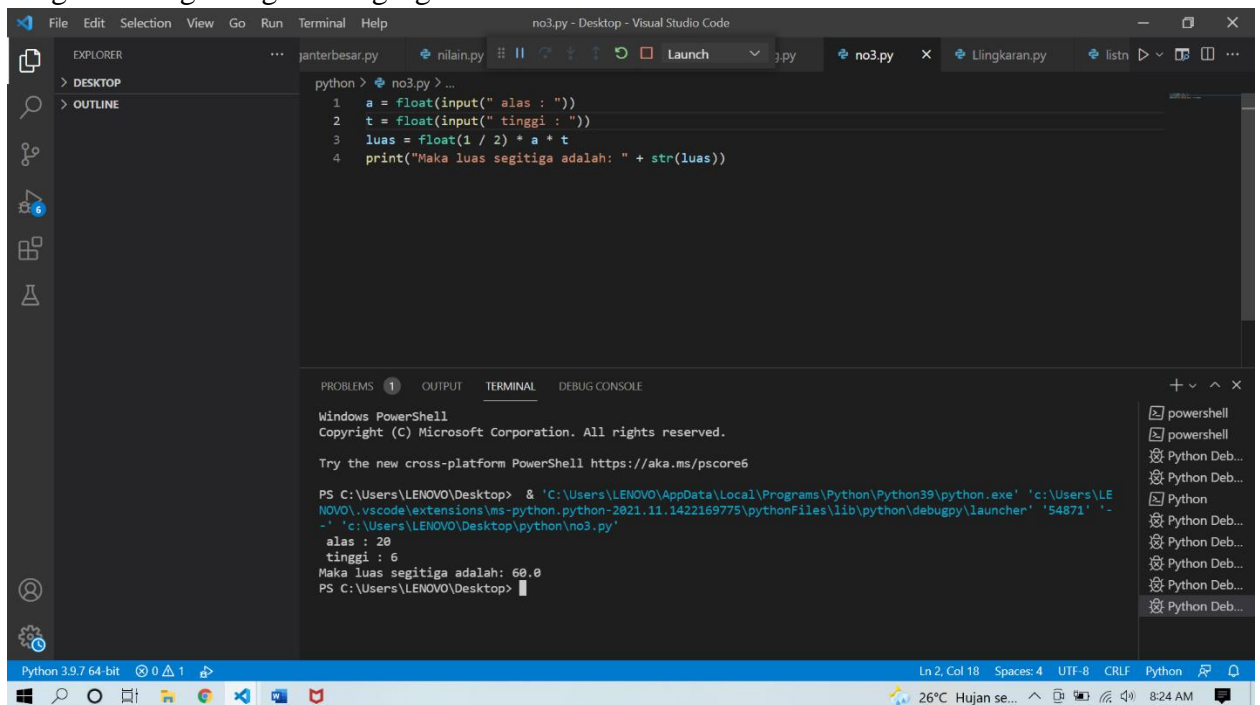
Luas Lingkaran



```
python > Lingkaran.py > ...
1 print("LUAS KELILING ")
2 r = int(input("r : "))
3 Luas = 3.14 * r * r
4 print("maka Luas lingkaran adalah : " + str(Luas))
```

```
PS C:\Users\LENOVO\Desktop> c:: cd 'c:\Users\LENOVO\Desktop'; & 'C:\Users\LENOVO\AppData\Local\Programs\Python\Python39\python.exe' 'c:\Users\LENOVO\.vscode\extensions\ms-python.python-2021.11.1422169775\pythonFiles\lib\python\debugpy\launcher' '65307' '--' 'c:\Users\LENOVO\Desktop\python\Lingkaran.py'
LUAS KELILING
r : 20
maka Luas lingkaran adalah :1256.0
PS C:\Users\LENOVO\Desktop>
```

3. Program menghitung luas segitiga



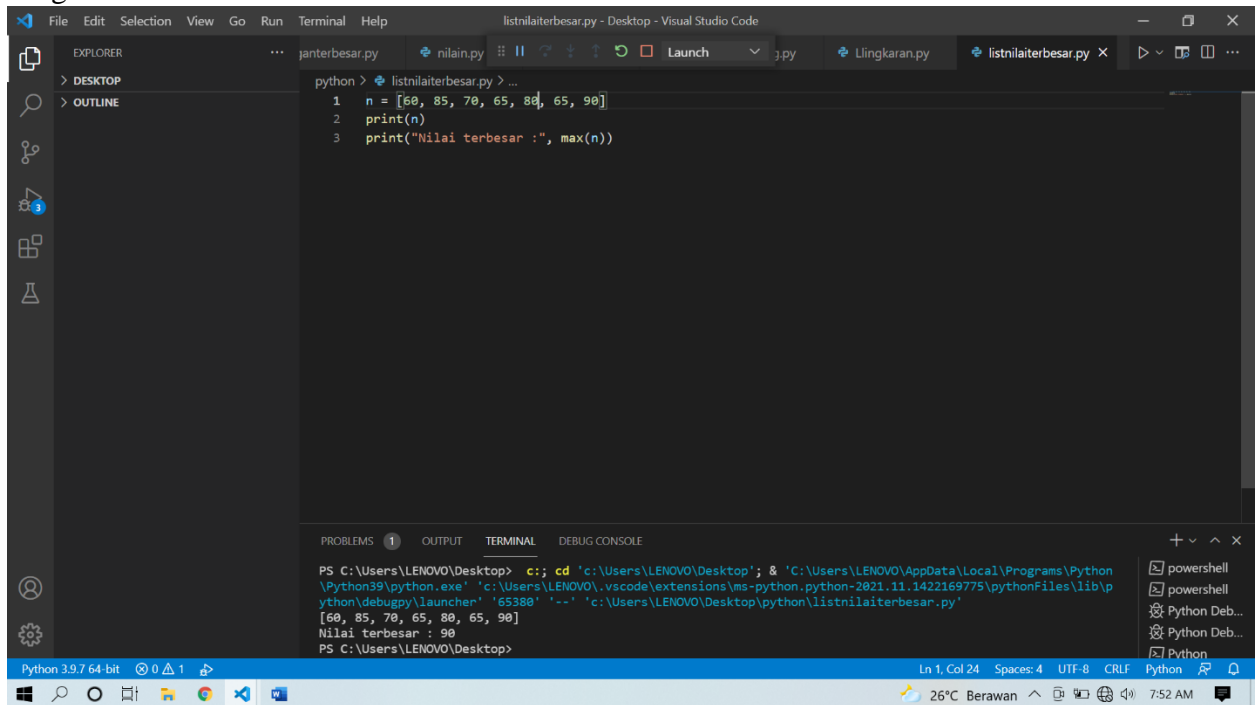
```
python > no3.py > ...
1 a = float(input(" alas : "))
2 t = float(input(" tinggi : "))
3 luas = float(1 / 2) * a * t
4 print("Maka luas segitiga adalah: " + str(luas))
```

```
Windows PowerShell
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Try the new cross-platform PowerShell https://aka.ms/pscore6

PS C:\Users\LENOVO\Desktop> & 'C:\Users\LENOVO\AppData\Local\Programs\Python\Python39\python.exe' 'c:\Users\LENOVO\.vscode\extensions\ms-python.python-2021.11.1422169775\pythonFiles\lib\python\debugpy\launcher' '54871' '--' 'c:\Users\LENOVO\Desktop\python\no3.py'
alas : 20
tinggi : 6
Maka luas segitiga adalah: 60.0
PS C:\Users\LENOVO\Desktop>
```

4. Program nilai terbesar

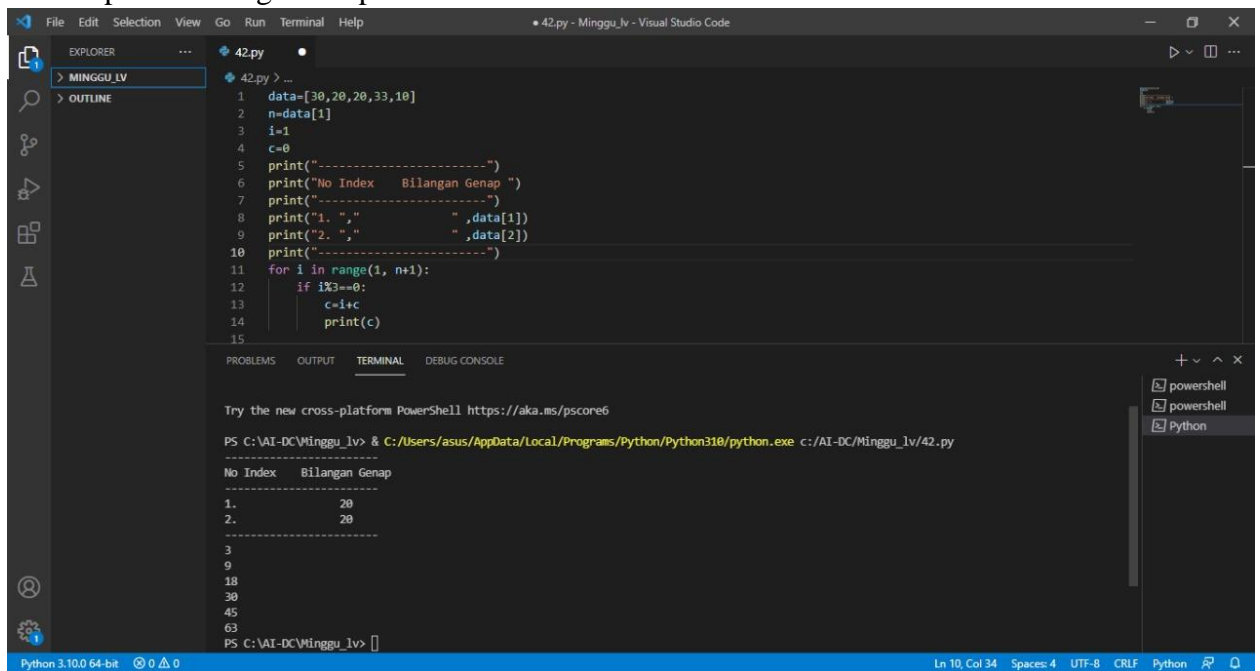


The screenshot shows the Visual Studio Code interface with a Python file named `listnilaiterbesar.py` open. The code defines a list `n` with values `[60, 85, 70, 65, 80, 65, 90]` and prints the maximum value using `max(n)`. The terminal output shows the execution of the script, displaying the list and the maximum value, 90.

```
python > listnilaiterbesar.py > ...
1 n = [60, 85, 70, 65, 80, 65, 90]
2 print(n)
3 print("Nilai terbesar :", max(n))

PS C:\Users\LENOVO\Desktop> c:\Users\LENOVO\AppData\Local\Programs\Python\Python39\python.exe 'c:\Users\LENOVO\.vscode\extensions\ms-python.python-2021.11.1422169775\pythonFiles\lib\python\debugpy\launcher' '65380' '--' 'c:\Users\LENOVO\Desktop\python\listnilaiterbesar.py'
[60, 85, 70, 65, 80, 65, 90]
Nilai terbesar : 90
PS C:\Users\LENOVO\Desktop>
```

5. Menampilkan bilangan kelipatan X



The screenshot shows the Visual Studio Code interface with a Python file named `42.py` open. The code defines a list `data` with values `[30, 20, 20, 33, 10]` and prints the multiples of the second element (20) up to the 10th multiple. The terminal output shows the execution of the script, displaying the list and the multiples of 20.

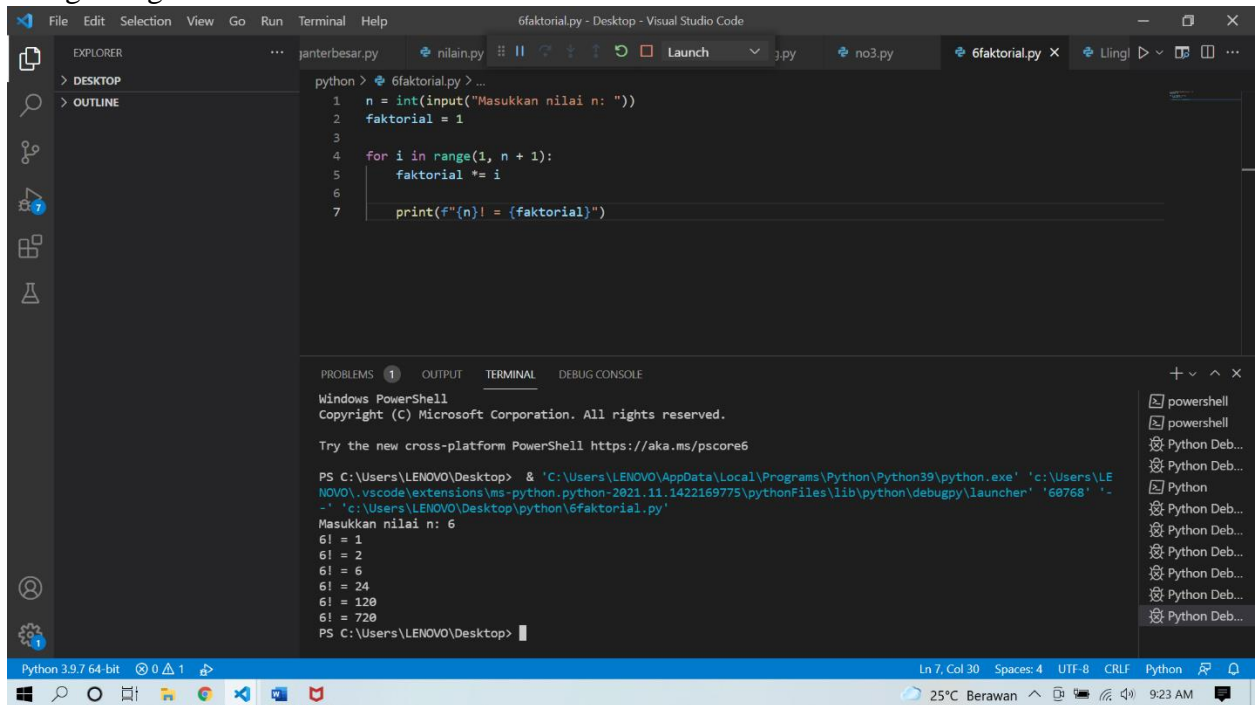
```
1 data=[30,20,20,33,10]
2 n=data[1]
3 i=1
4 c=0
5 print("-----")
6 print("No Index    Bilangan Genap ")
7 print("-----")
8 print("1. ", " ", data[1])
9 print("2. ", " ", data[2])
10 print("-----")
11 for i in range(1, n+1):
12     if i%3==0:
13         c=i+c
14         print(c)
15
```

Try the new cross-platform PowerShell <https://aka.ms/pscore6>

```
PS C:\AI-DC\Minggu_1v> & C:/Users/asus/AppData/Local/Programs/Python/Python310/python.exe c:/AI-DC/Minggu_1v/42.py

No Index    Bilangan Genap
-----
1.          20
2.          20
-----
3
9
18
30
45
63
PS C:\AI-DC\Minggu_1v>
```

6. Menghitung faktorial



The screenshot shows the Visual Studio Code interface with a file named `6faktorial.py` open. The code in the editor is as follows:

```
python > 6faktorial.py > ...
1 n = int(input("Masukkan nilai n: "))
2 faktorial = 1
3
4 for i in range(1, n + 1):
5     faktorial *= i
6
7 print(f"{n}! = {faktorial}")
```

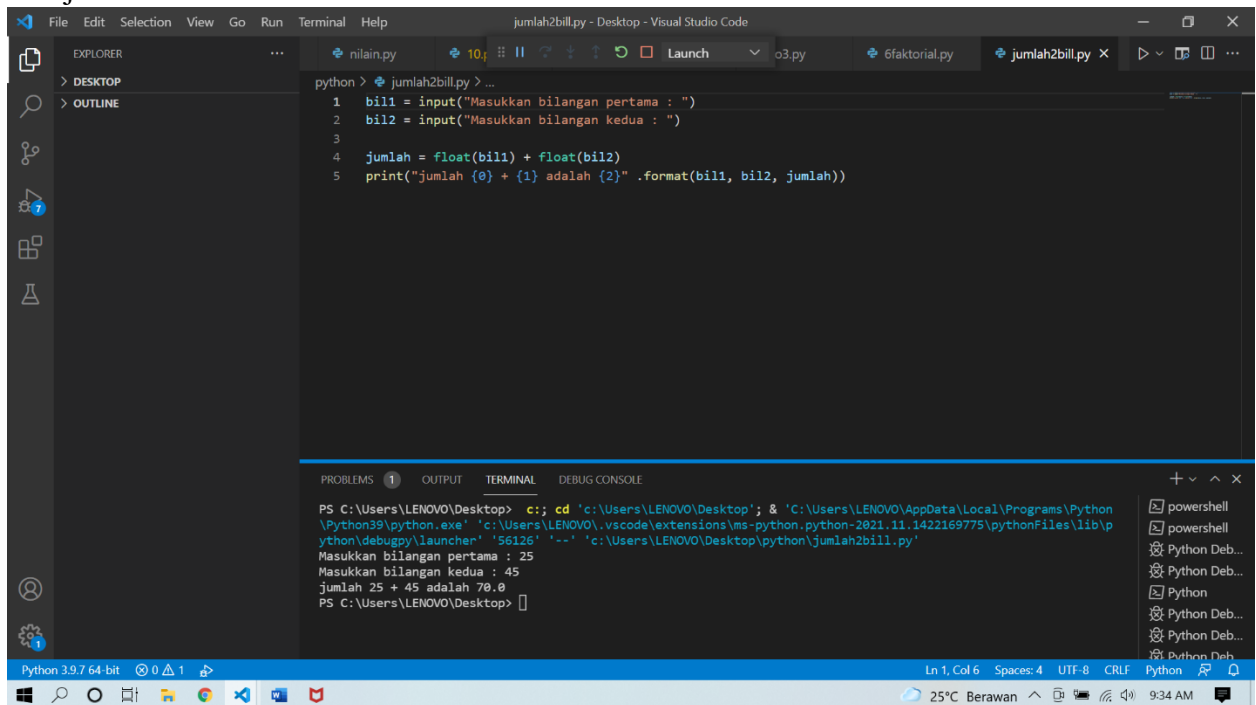
The terminal window at the bottom shows the execution of the script. It prompts the user to enter a value for `n`, which is 6. The output shows the factorial calculation for `n` from 1 to 6.

```
Windows PowerShell
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Try the new cross-platform PowerShell https://aka.ms/pscore6

PS C:\Users\LENOVO\Desktop> & 'C:\Users\LENOVO\AppData\Local\Programs\Python\Python39\python.exe' 'c:\Users\LENOVO\.vscode\extensions\ms-python.python-2021.11.1422169775\pythonFiles\lib\python\debugpy\launcher' '68768' '-
-' 'c:\Users\LENOVO\Desktop\python\6faktorial.py'
Masukkan nilai n: 6
6! = 1
6! = 2
6! = 6
6! = 24
6! = 120
6! = 720
PS C:\Users\LENOVO\Desktop>
```

7. Menjumlahkan data antara dua buah list



The screenshot shows the Visual Studio Code interface with a file named `jumlah2bill.py` open. The code in the editor is as follows:

```
python > jumlah2bill.py > ...
1 bill1 = input("Masukkan bilangan pertama : ")
2 bill2 = input("Masukkan bilangan kedua : ")
3
4 jumlah = float(bill1) + float(bill2)
5 print("jumlah {0} + {1} adalah {2}".format(bill1, bill2, jumlah))
```

The terminal window at the bottom shows the execution of the script. It prompts the user to enter two numbers, 25 and 45. The output shows the sum of these two numbers.

```
PS C:\Users\LENOVO\Desktop> c:\Users\LENOVO\AppData\Local\Programs\Python\Python39\python.exe "c:\Users\LENOVO\.vscode\extensions\ms-python.python-2021.11.1422169775\pythonFiles\lib\python\debugpy\launcher" "56126" "-
-" "c:\Users\LENOVO\Desktop\python\jumlah2bill.py"
Masukkan bilangan pertama : 25
Masukkan bilangan kedua : 45
jumlah 25 + 45 adalah 70.0
PS C:\Users\LENOVO\Desktop>
```