Nomor 1

Nomor 1.py - Tugas Praktikum Python 4 - Visual Studio Code

Nomor 1.py | Nomor 4.py | Nomor 5.py | Nomor 6.py | 1.py

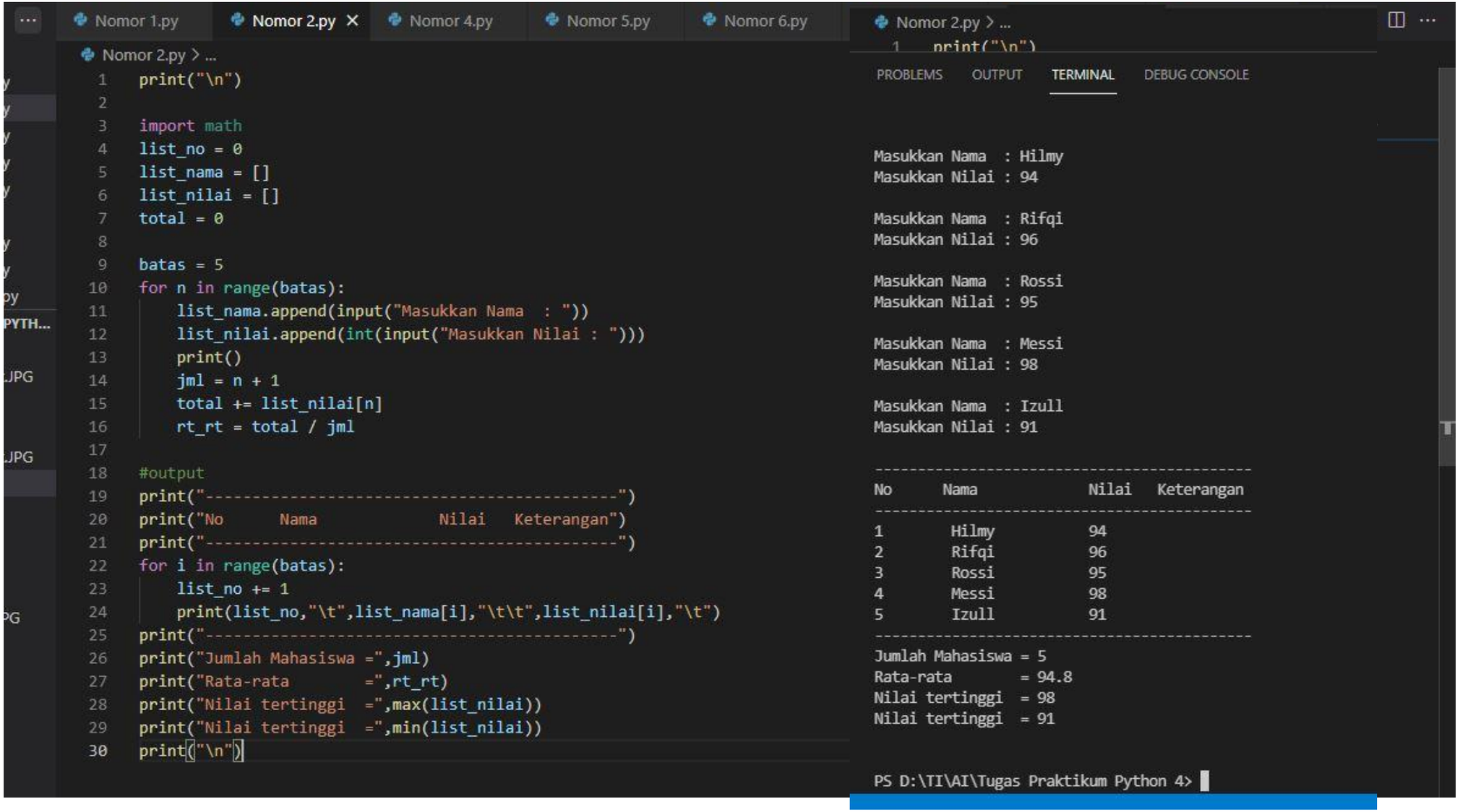
Nomor 1.py > ...

```python
print("\n")

import math
list_no = 0
list_nama = []
list_nilai = []
total = 0

batas = 5
for n in range(batas):
    list_nama.append(input("Masukkan Nama  : "))
    list_nilai.append(int(input("Masukkan Nilai : ")))
    print()
    jml = n + 1
    total += list_nilai[n]
    rt_rt = total / jml

#output
print("-----------------------------------------")
print("No      Nama            Nilai   Keterangan")
print("-----------------------------------------")
for i in range(batas):
    list_no += 1
    print(list_no,"\t",list_nama[i],"\t\t",list_nilai[i],"\t")
print("-----------------------------------------")
print("Jumlah Mahasiswa =",jml)
print("Rata-rata        =",rt_rt)
print("\n")
```

PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE

```
2021.11.1422169775\pythonFiles\lib\python\debugpy\launc


Masukkan Nama  : Hilmy
Masukkan Nilai : 94

Masukkan Nama  : Rifqi
Masukkan Nilai : 96

Masukkan Nama  : Rossi
Masukkan Nilai : 95

Masukkan Nama  : Messi
Masukkan Nilai : 98

Masukkan Nama  : Izull
Masukkan Nilai : 91

-----------------------------------------
No      Nama            Nilai   Keterangan
-----------------------------------------
1       Hilmy           94
2       Rifqi           96
3       Rossi           95
4       Messi           98
5       Izull           91
-----------------------------------------
Jumlah Mahasiswa = 5
Rata-rata        = 94.8


PS D:\TI\AI\Tugas Praktikum Python 4>
```

Nomor 2

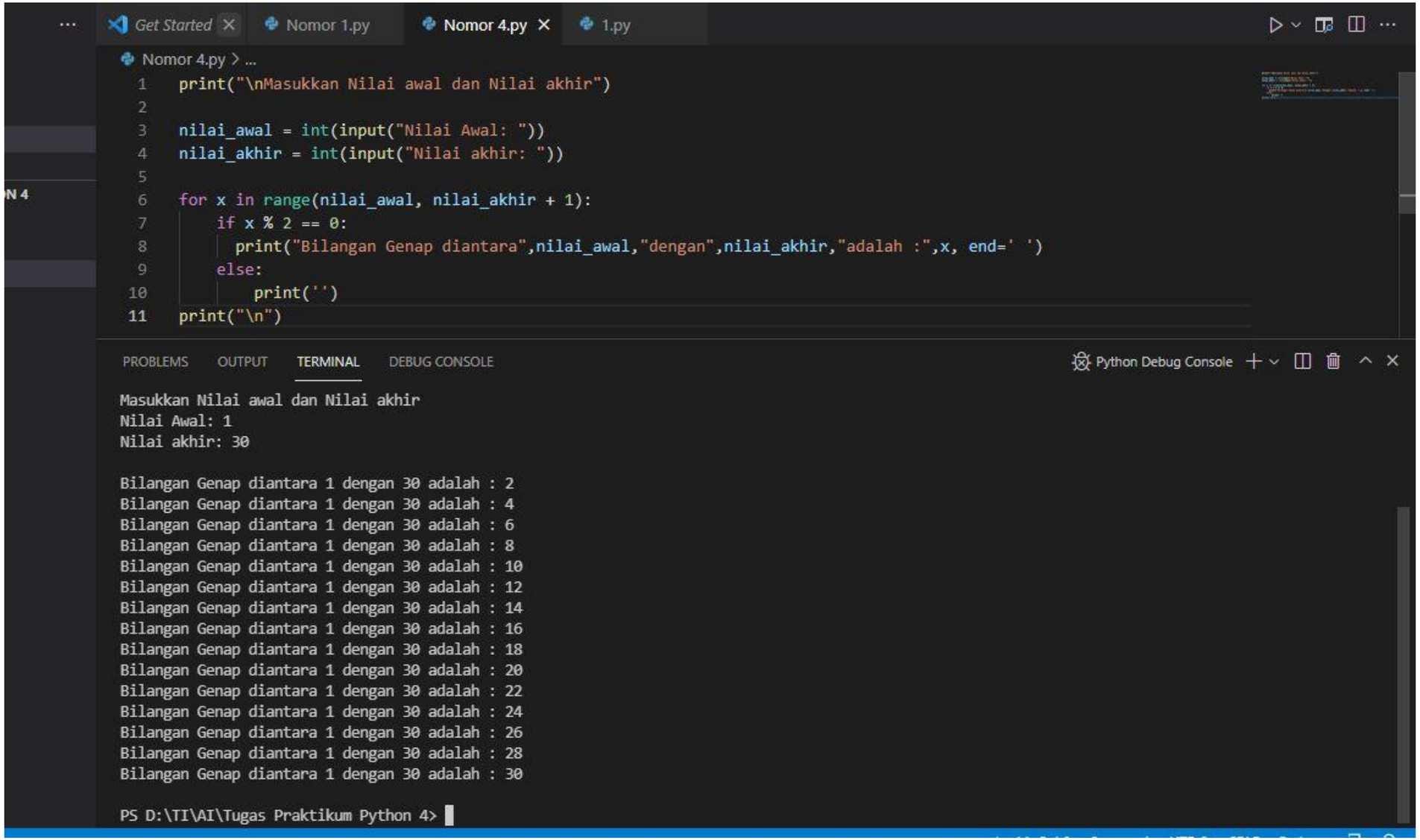

Nomor 1.py
Nomor 2.py
Nomor 4.py
Nomor 5.py
Nomor 6.py
Nomor 2.py > ...
1 print("\n")
2
3 import math
4 list_no = 0
5 list_nama = []
6 list_nilai = []
7 total = 0
8
9 batas = 5
10 for n in range(batas):
11 list_nama.append(input("Masukkan Nama : "))
12 list_nilai.append(int(input("Masukkan Nilai : ")))
13 print()
14 jml = n + 1
15 total += list_nilai[n]
16 rt_rt = total / jml
17
18 #output
19 print("---")
20 print("No Nama Nilai Keterangan")
21 print("---")
22 for i in range(batas):
23 list_no += 1
24 print(list_no,"\t",list_nama[i],"\t\t",list_nilai[i],"\t")
25 print("---")
26 print("Jumlah Mahasiswa =",jml)
27 print("Rata-rata =",rt_rt)
28 print("Nilai tertinggi =",max(list_nilai))
29 print("Nilai tertinggi =",min(list_nilai))
30 print("\n")
Nomor 2.py > ...
1 print("\n")
PROBLEMS
OUTPUT
TERMINAL
DEBUG CONSOLE
Masukkan Nama : Hilmy
Masukkan Nilai : 94
Masukkan Nama : Rifqi
Masukkan Nilai : 96
Masukkan Nama : Rossi
Masukkan Nilai : 95
Masukkan Nama : Messi
Masukkan Nilai : 98
Masukkan Nama : Izull
Masukkan Nilai : 91

No Nama Nilai Keterangan
----
1 Hilmy 94
2 Rifqi 96
3 Rossi 95
4 Messi 98
5 Izull 91

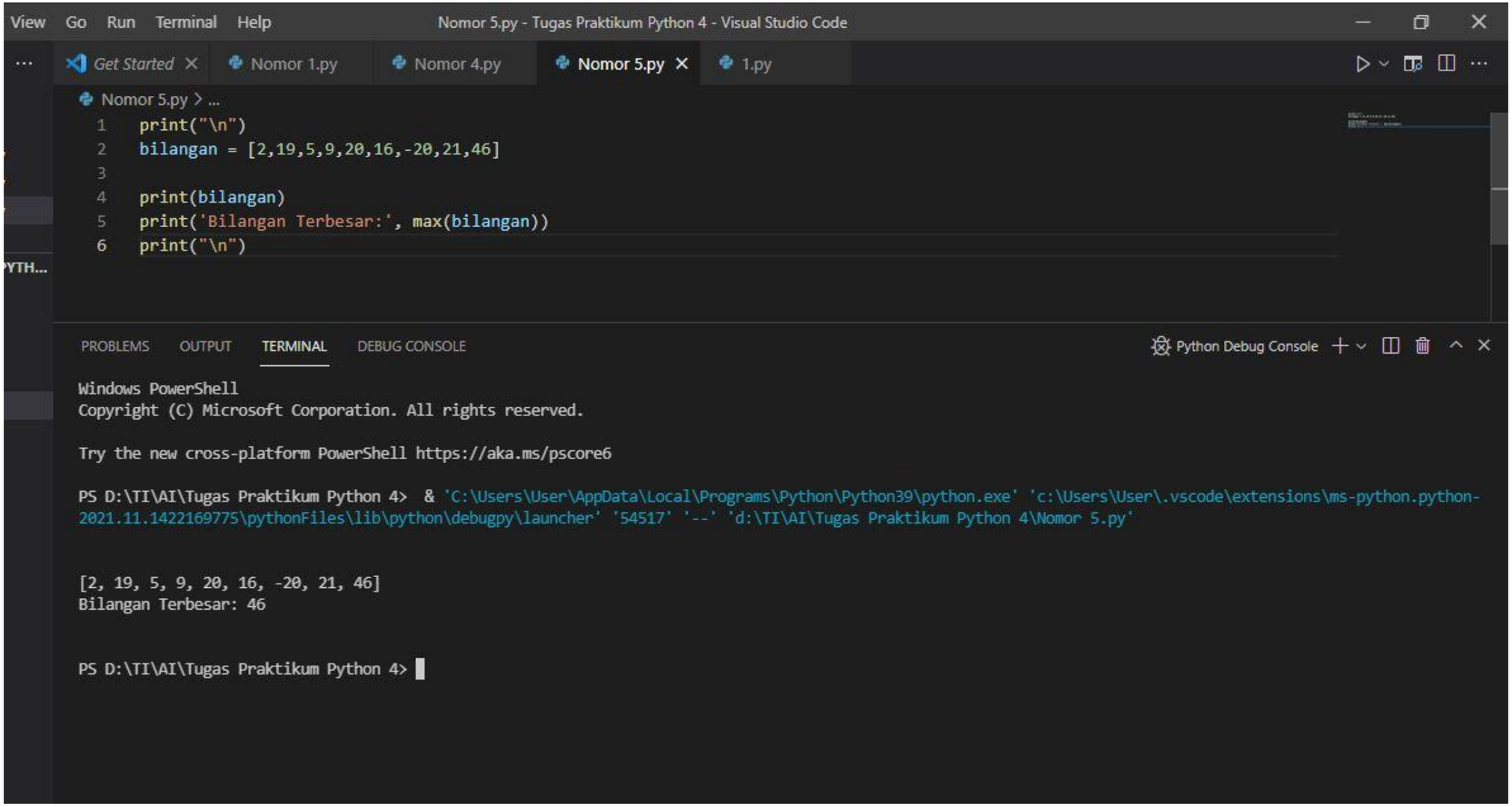
Jumlah Mahasiswa = 5
Rata-rata = 94.8
Nilai tertinggi = 98
Nilai tertinggi = 91
PS D:\TI\AI\Tugas Praktikum Python 4>

Nomor 3

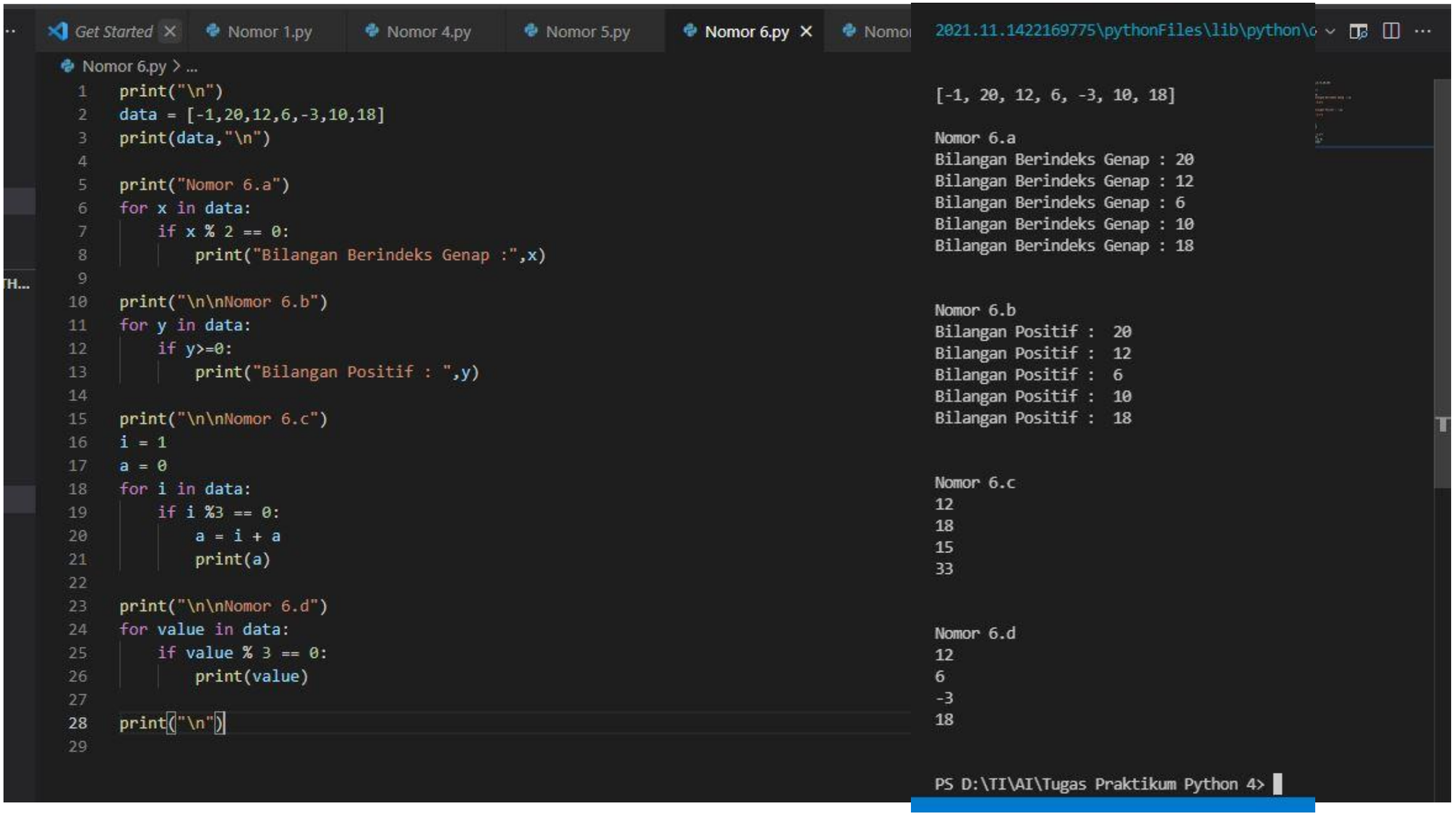
Nomor 4


Get Started
Nomor 1.py
Nomor 4.py
1.py
Nomor 4.py > ...
1 print("\nMasukkan Nilai awal dan Nilai akhir")
2
3 nilai_awal = int(input("Nilai Awal: "))
4 nilai_akhir = int(input("Nilai akhir: "))
5
6 for x in range(nilai_awal, nilai_akhir + 1):
7 if x % 2 == 0:
8 print("Bilangan Genap diantara",nilai_awal,"dengan",nilai_akhir,"adalah :",x, end=' ')
9 else:
10 print('')
11 print("\n")
PROBLEMS
OUTPUT
TERMINAL
DEBUG CONSOLE
Python Debug Console
Masukkan Nilai awal dan Nilai akhir
Nilai Awal: 1
Nilai akhir: 30
Bilangan Genap diantara 1 dengan 30 adalah : 2
Bilangan Genap diantara 1 dengan 30 adalah : 4
Bilangan Genap diantara 1 dengan 30 adalah : 6
Bilangan Genap diantara 1 dengan 30 adalah : 8
Bilangan Genap diantara 1 dengan 30 adalah : 10
Bilangan Genap diantara 1 dengan 30 adalah : 12
Bilangan Genap diantara 1 dengan 30 adalah : 14
Bilangan Genap diantara 1 dengan 30 adalah : 16
Bilangan Genap diantara 1 dengan 30 adalah : 18
Bilangan Genap diantara 1 dengan 30 adalah : 20
Bilangan Genap diantara 1 dengan 30 adalah : 22
Bilangan Genap diantara 1 dengan 30 adalah : 24
Bilangan Genap diantara 1 dengan 30 adalah : 26
Bilangan Genap diantara 1 dengan 30 adalah : 28
Bilangan Genap diantara 1 dengan 30 adalah : 30
PS D:\TI\AI\Tugas Praktikum Python 4>

Nomor 5


View Go Run Terminal Help
Nomor 5.py - Tugas Praktikum Python 4 - Visual Studio Code
Get Started
Nomor 1.py
Nomor 4.py
Nomor 5.py
1.py
Nomor 5.py > ...
1 print("\n")
2 bilangan = [2,19,5,9,20,16,-20,21,46]
3
4 print(bilangan)
5 print('Bilangan Terbesar:', max(bilangan))
6 print("\n")
PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE
Python Debug Console
Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.
Try the new cross-platform PowerShell https://aka.ms/pscore6
PS D:\TI\AI\Tugas Praktikum Python 4> & 'C:\Users\User\AppData\Local\Programs\Python\Python39\python.exe' 'c:\Users\User\.vscode\extensions\ms-python.python-2021.11.1422169775\pythonFiles\lib\python\debugpy\launcher' '54517' '--' 'd:\TI\AI\Tugas Praktikum Python 4\Nomor 5.py'
[2, 19, 5, 9, 20, 16, -20, 21, 46]
Bilangan Terbesar: 46
PS D:\TI\AI\Tugas Praktikum Python 4>

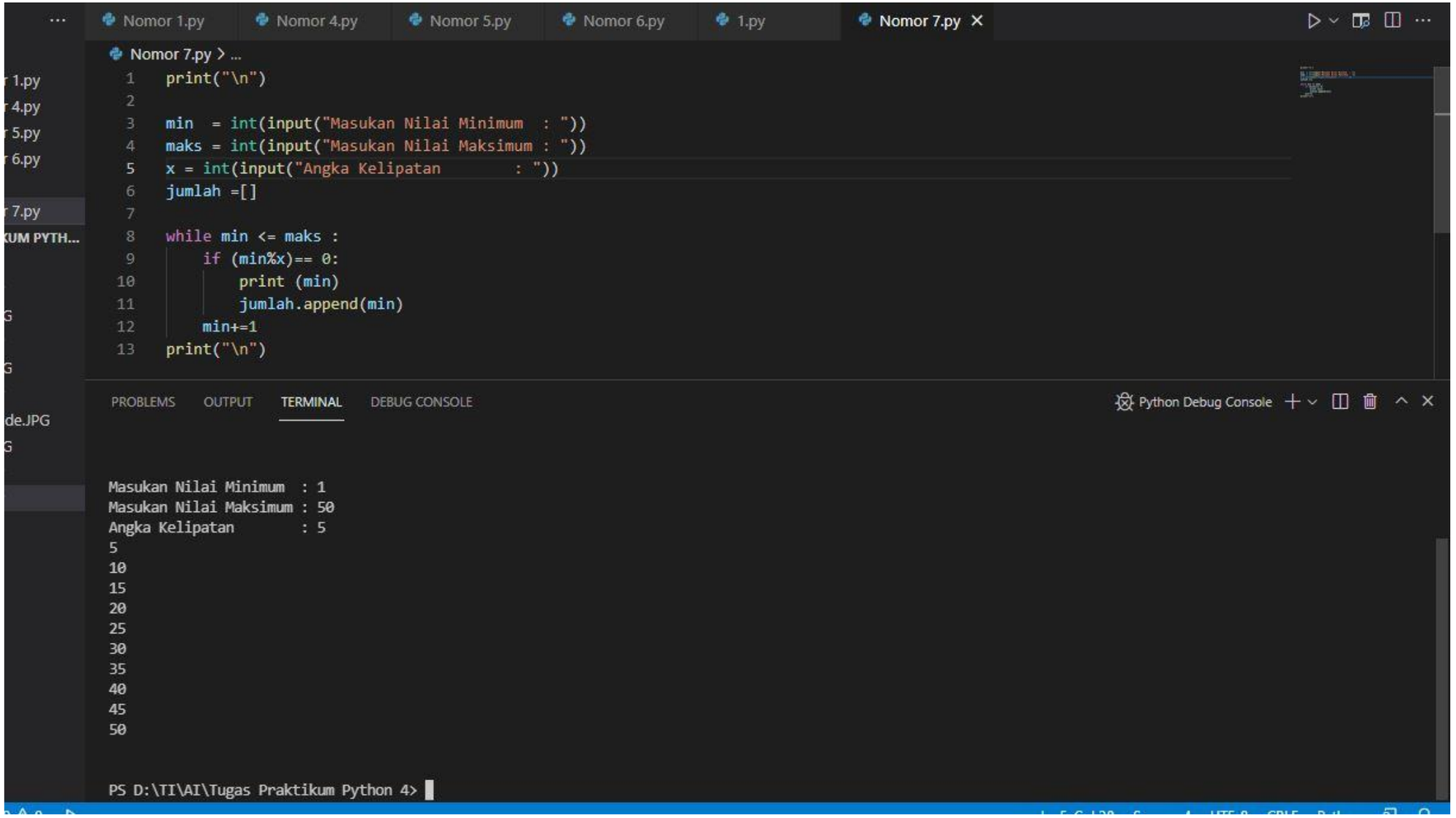
Nomor 6



```python
print("\n")
data = [-1,20,12,6,-3,10,18]
print(data,"\n")

print("Nomor 6.a")
for x in data:
    if x % 2 == 0:
        print("Bilangan Berindeks Genap :",x)

print("\n\nNomor 6.b")
for y in data:
    if y>=0:
        print("Bilangan Positif : ",y)

print("\n\nNomor 6.c")
i = 1
a = 0
for i in data:
    if i %3 == 0:
        a = i + a
        print(a)

print("\n\nNomor 6.d")
for value in data:
    if value % 3 == 0:
        print(value)

print("\n")
```

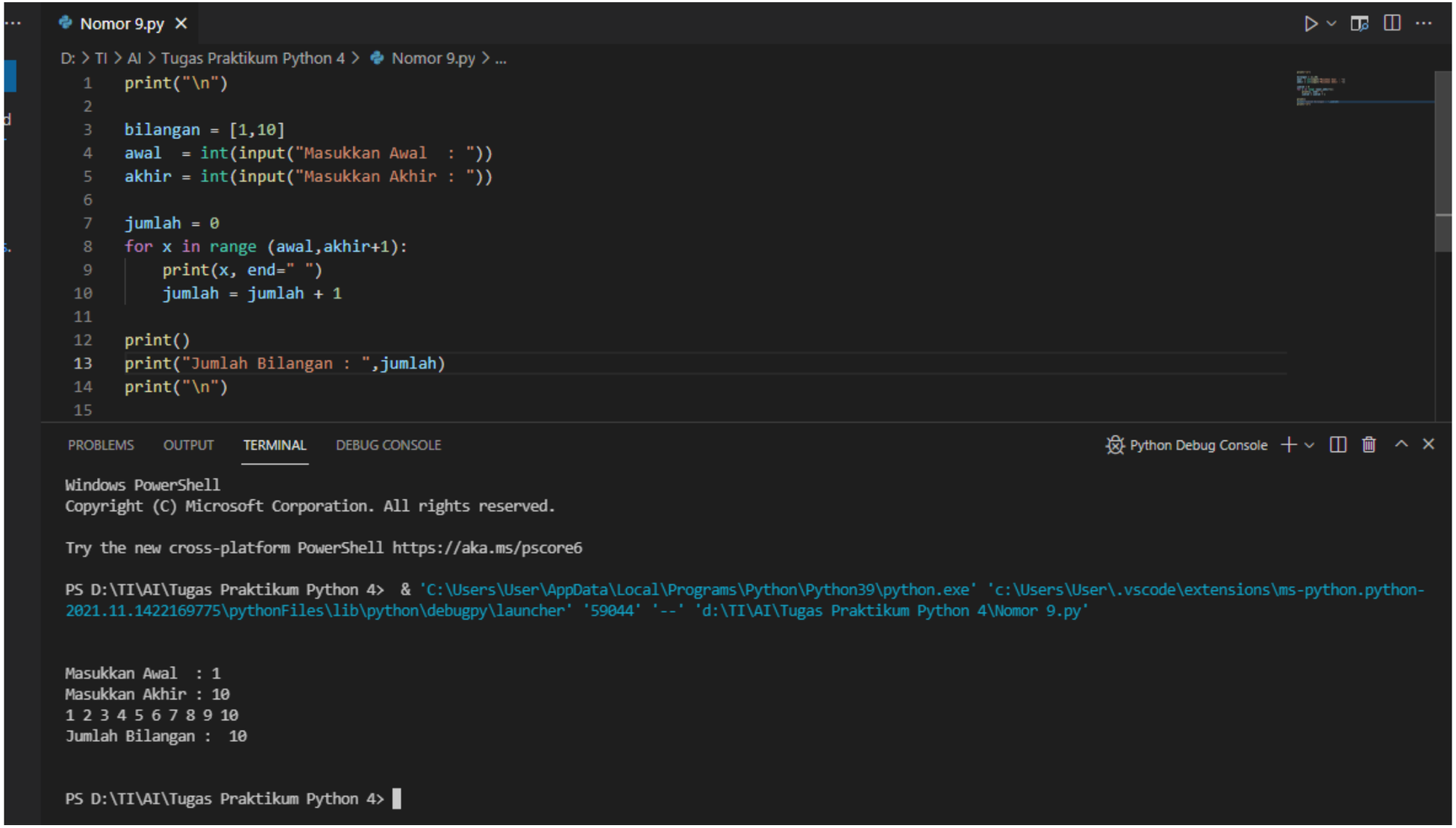
```
[-1, 20, 12, 6, -3, 10, 18]

Nomor 6.a
Bilangan Berindeks Genap : 20
Bilangan Berindeks Genap : 12
Bilangan Berindeks Genap : 6
Bilangan Berindeks Genap : 10
Bilangan Berindeks Genap : 18


Nomor 6.b
Bilangan Positif :  20
Bilangan Positif :  12
Bilangan Positif :  6
Bilangan Positif :  10
Bilangan Positif :  18


Nomor 6.c
12
18
15
33


Nomor 6.d
12
6
-3
18


PS D:\TI\AI\Tugas Praktikum Python 4>
```

Nomor 7


Nomor 1.py
Nomor 4.py
Nomor 5.py
Nomor 6.py
1.py
Nomor 7.py
Nomor 7.py > ...
1 print("\n")
2
3 min = int(input("Masukan Nilai Minimum : "))
4 maks = int(input("Masukan Nilai Maksimum : "))
5 x = int(input("Angka Kelipatan : "))
6 jumlah =[]
7
8 while min <= maks :
9 if (min%x)== 0:
10 print (min)
11 jumlah.append(min)
12 min+=1
13 print("\n")
PROBLEMS
OUTPUT
TERMINAL
DEBUG CONSOLE
Python Debug Console
Masukan Nilai Minimum : 1
Masukan Nilai Maksimum : 50
Angka Kelipatan : 5
5
10
15
20
25
30
35
40
45
50
PS D:\TI\AI\Tugas Praktikum Python 4>

Nomor 8

Nomor 9


Nomor 9.py
D: > TI > AI > Tugas Praktikum Python 4 > Nomor 9.py > ...
1 print("\n")
2
3 bilangan = [1,10]
4 awal = int(input("Masukkan Awal : "))
5 akhir = int(input("Masukkan Akhir : "))
6
7 jumlah = 0
8 for x in range (awal,akhir+1):
9 print(x, end=" ")
10 jumlah = jumlah + 1
11
12 print()
13 print("Jumlah Bilangan : ",jumlah)
14 print("\n")
15
PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE
Python Debug Console
Windows PowerShell
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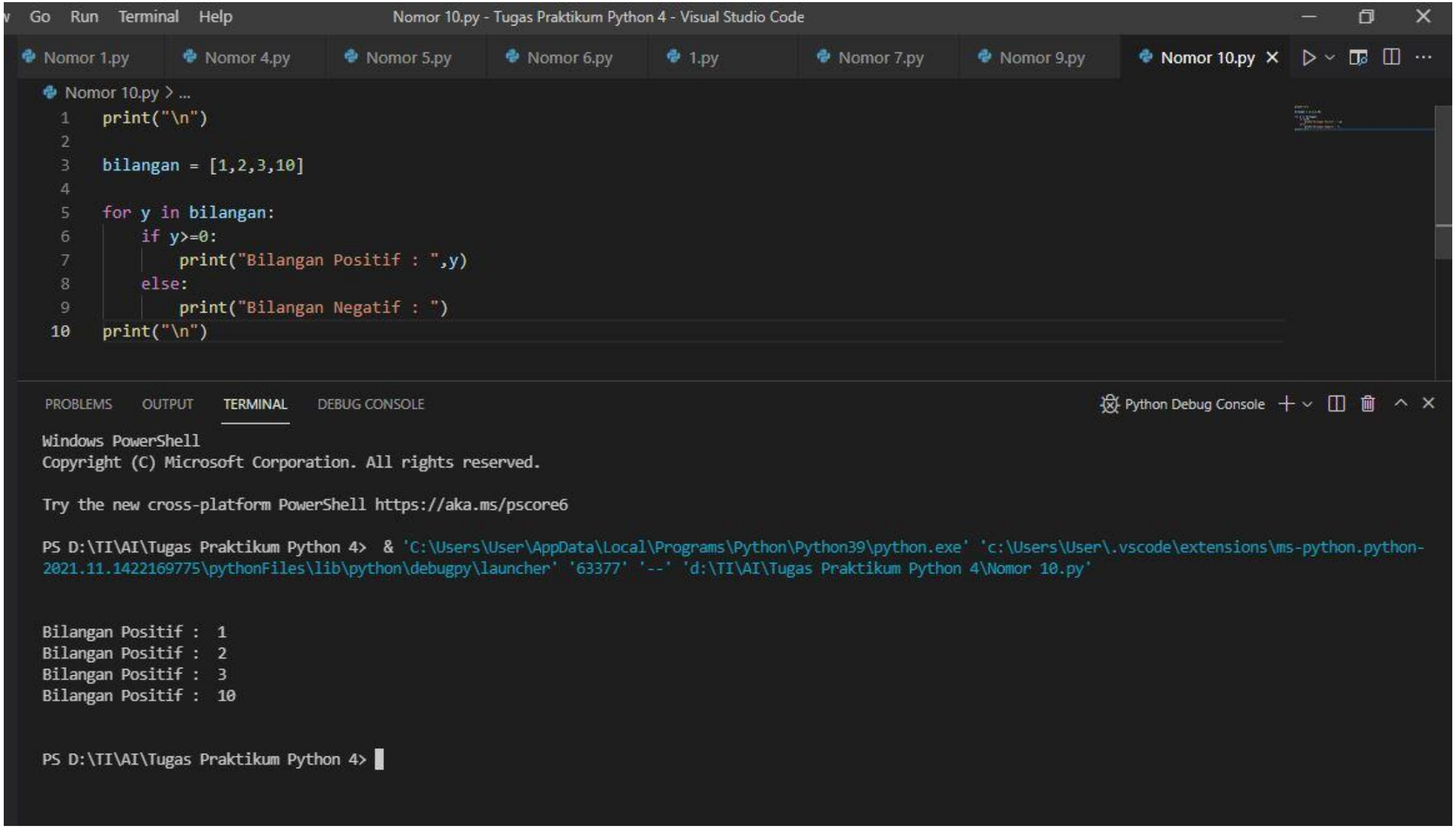
Try the new cross-platform PowerShell https://aka.ms/pscore6
PS D:\TI\AI\Tugas Praktikum Python 4> & 'C:\Users\User\AppData\Local\Programs\Python\Python39\python.exe' 'c:\Users\User\.vscode\extensions\ms-python.python-2021.11.1422169775\pythonFiles\lib\python\debugpy\launcher' '59044' '--' 'd:\TI\AI\Tugas Praktikum Python 4\Nomor 9.py'
Masukkan Awal : 1
Masukkan Akhir : 10
1 2 3 4 5 6 7 8 9 10
Jumlah Bilangan : 10
PS D:\TI\AI\Tugas Praktikum Python 4>

Nomor 10


Go Run Terminal Help
Nomor 10.py - Tugas Praktikum Python 4 - Visual Studio Code
Nomor 1.py
Nomor 4.py
Nomor 5.py
Nomor 6.py
1.py
Nomor 7.py
Nomor 9.py
Nomor 10.py
Nomor 10.py > ...
1 print("\n")
2
3 bilangan = [1,2,3,10]
4
5 for y in bilangan:
6 if y>=0:
7 print("Bilangan Positif : ",y)
8 else:
9 print("Bilangan Negatif : ")
10 print("\n")
PROBLEMS
OUTPUT
TERMINAL
DEBUG CONSOLE
Python Debug Console
Windows PowerShell
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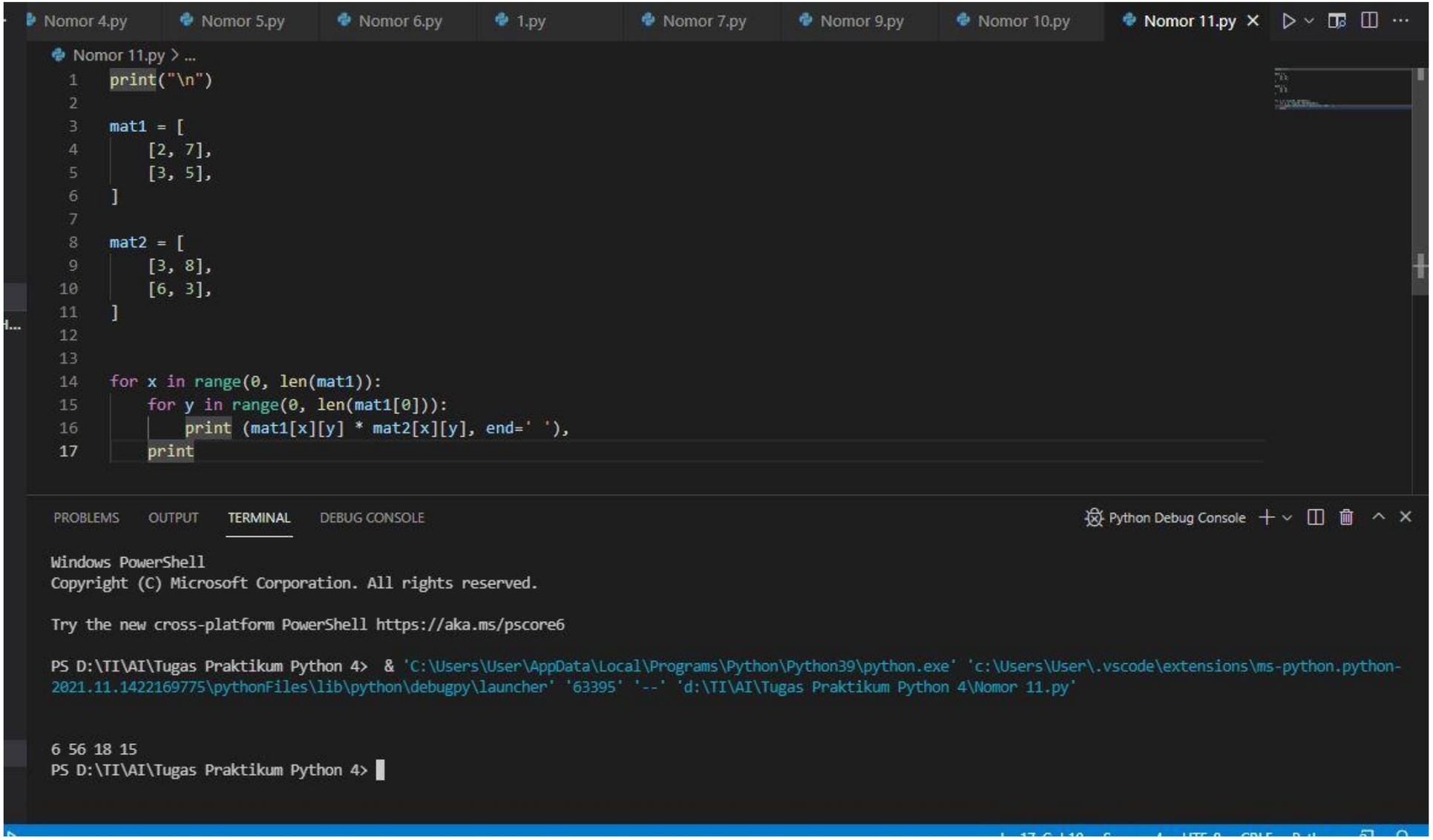
PS D:\TI\AI\Tugas Praktikum Python 4> & 'C:\Users\User\AppData\Local\Programs\Python\Python39\python.exe' 'c:\Users\User\.vscode\extensions\ms-python.python-2021.11.1422169775\pythonFiles\lib\python\debugpy\launcher' '63377' '--' 'd:\TI\AI\Tugas Praktikum Python 4\Nomor 10.py'
Bilangan Positif : 1
Bilangan Positif : 2
Bilangan Positif : 3
Bilangan Positif : 10
PS D:\TI\AI\Tugas Praktikum Python 4>

Nomor 11


Nomor 4.py
Nomor 5.py
Nomor 6.py
1.py
Nomor 7.py
Nomor 9.py
Nomor 10.py
Nomor 11.py
Nomor 11.py > ...
1 print("\n")
2
3 mat1 = [
4 [2, 7],
5 [3, 5],
6]
7
8 mat2 = [
9 [3, 8],
10 [6, 3],
11]
12
13
14 for x in range(0, len(mat1)):
15 for y in range(0, len(mat1[0])):
16 print (mat1[x][y] * mat2[x][y], end=' '),
17 print
PROBLEMS
OUTPUT
TERMINAL
DEBUG CONSOLE
Python Debug Console
Windows PowerShell
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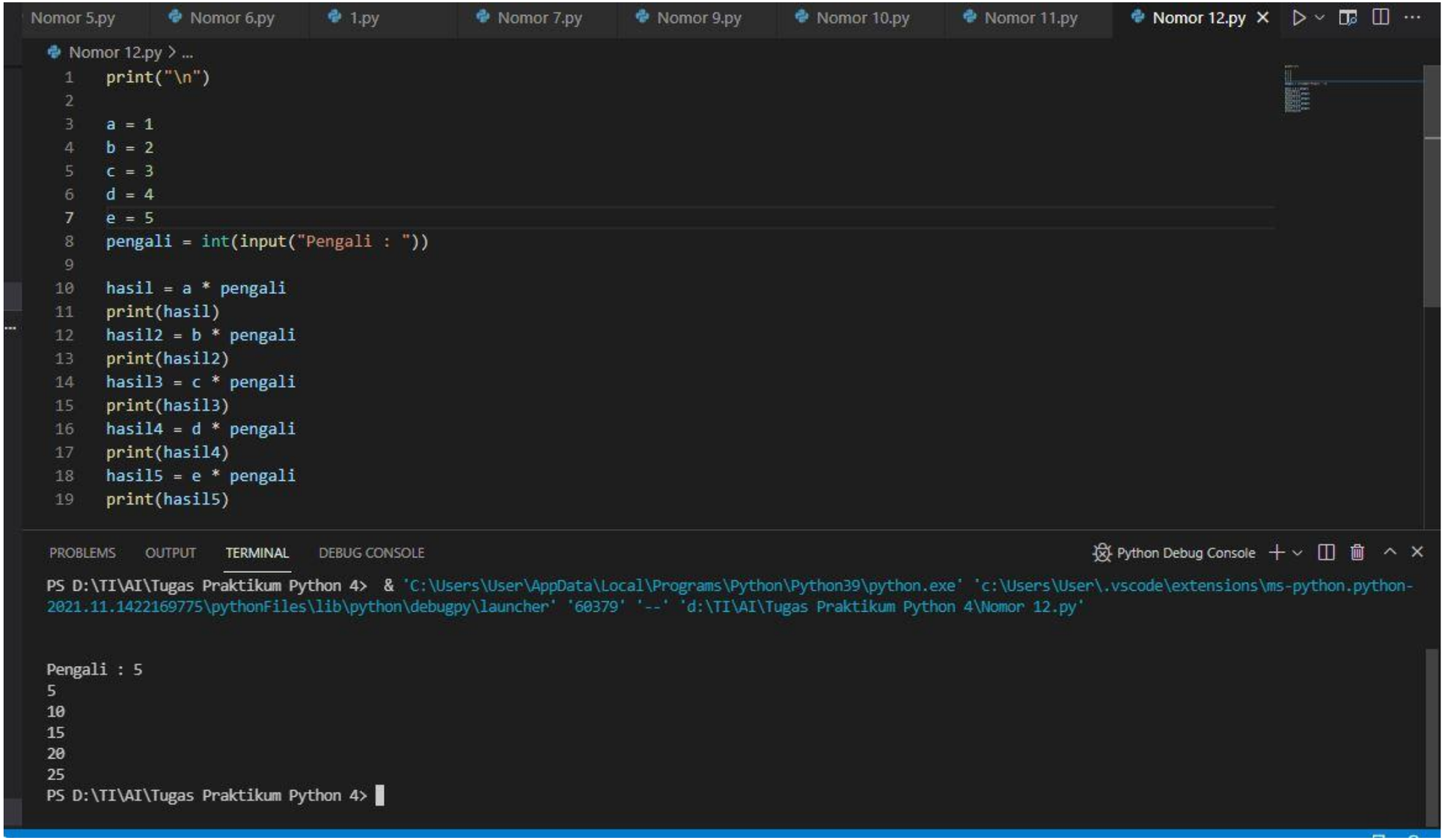
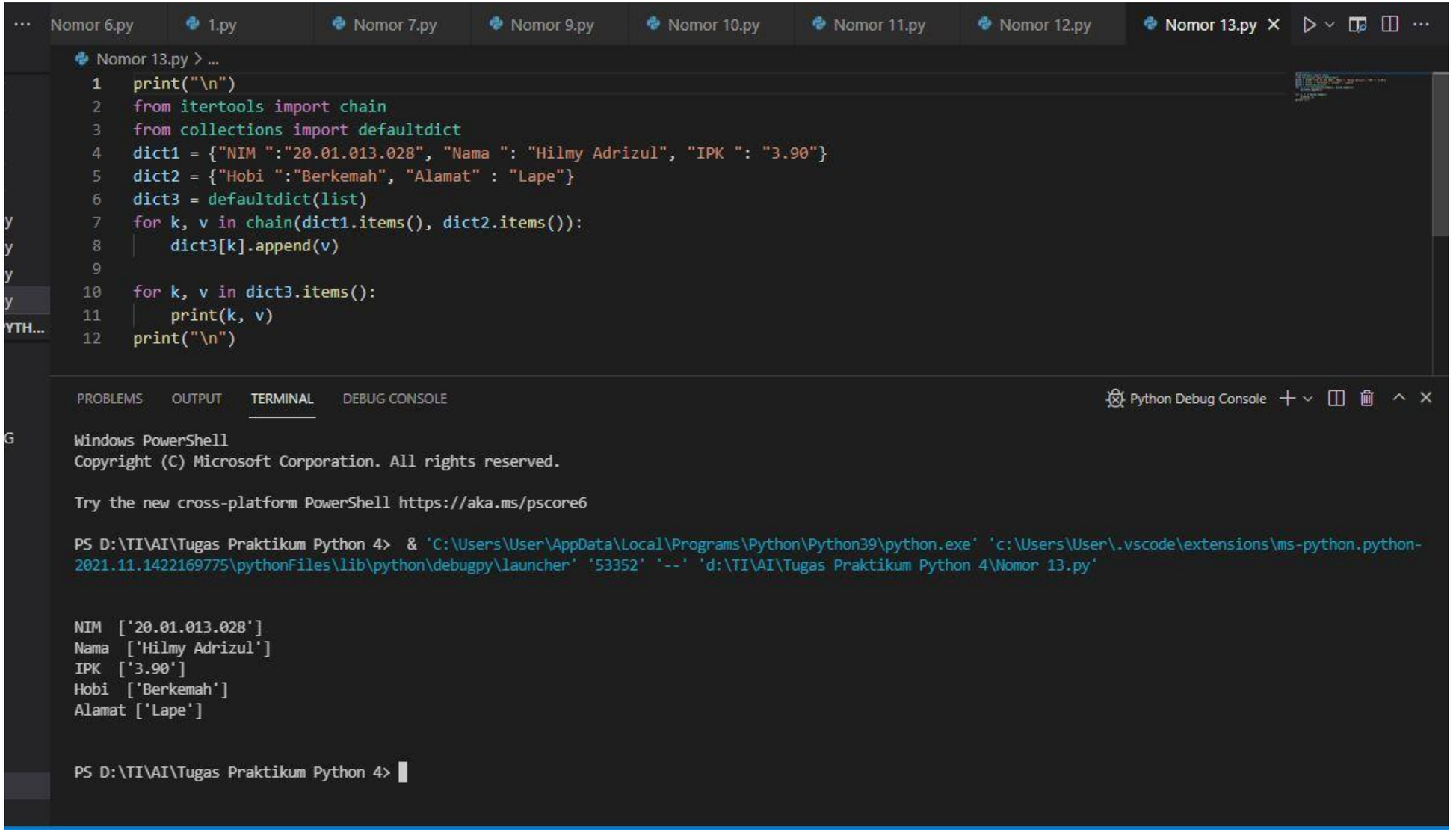
PS D:\TI\AI\Tugas Praktikum Python 4> & 'C:\Users\User\AppData\Local\Programs\Python\Python39\python.exe' 'c:\Users\User\.vscode\extensions\ms-python.python-2021.11.1422169775\pythonFiles\lib\python\debugpy\launcher' '63395' '--' 'd:\TI\AI\Tugas Praktikum Python 4\Nomor 11.py'
6 56 18 15
PS D:\TI\AI\Tugas Praktikum Python 4>

Nomor 12


Nomor 5.py
Nomor 6.py
1.py
Nomor 7.py
Nomor 9.py
Nomor 10.py
Nomor 11.py
Nomor 12.py
Nomor 12.py > ...
1 print("\n")
2
3 a = 1
4 b = 2
5 c = 3
6 d = 4
7 e = 5
8 pengali = int(input("Pengali : "))
9
10 hasil = a * pengali
11 print(hasil)
12 hasil2 = b * pengali
13 print(hasil2)
14 hasil3 = c * pengali
15 print(hasil3)
16 hasil4 = d * pengali
17 print(hasil4)
18 hasil5 = e * pengali
19 print(hasil5)
PROBLEMS
OUTPUT
TERMINAL
DEBUG CONSOLE
Python Debug Console
PS D:\TI\AI\Tugas Praktikum Python 4> & 'C:\Users\User\AppData\Local\Programs\Python\Python39\python.exe' 'c:\Users\User\.vscode\extensions\ms-python.python-2021.11.1422169775\pythonFiles\lib\python\debugpy\launcher' '60379' '--' 'd:\TI\AI\Tugas Praktikum Python 4\Nomor 12.py'
Pengali : 5
5
10
15
20
25
PS D:\TI\AI\Tugas Praktikum Python 4>

Nomor 13


Nomor 6.py
1.py
Nomor 7.py
Nomor 9.py
Nomor 10.py
Nomor 11.py
Nomor 12.py
Nomor 13.py
Nomor 13.py > ...
1 print("\n")
2 from itertools import chain
3 from collections import defaultdict
4 dict1 = {"NIM ":"20.01.013.028", "Nama ": "Hilmy Adrizul", "IPK ": "3.90"}
5 dict2 = {"Hobi ":"Berkemah", "Alamat" : "Lape"}
6 dict3 = defaultdict(list)
7 for k, v in chain(dict1.items(), dict2.items()):
8 dict3[k].append(v)
9
10 for k, v in dict3.items():
11 print(k, v)
12 print("\n")
PROBLEMS
OUTPUT
TERMINAL
DEBUG CONSOLE
Python Debug Console
Windows PowerShell
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PS D:\TI\AI\Tugas Praktikum Python 4> & 'C:\Users\User\AppData\Local\Programs\Python\Python39\python.exe' 'c:\Users\User\.vscode\extensions\ms-python.python-2021.11.1422169775\pythonFiles\lib\python\debugpy\launcher' '53352' '--' 'd:\TI\AI\Tugas Praktikum Python 4\Nomor 13.py'
NIM ['20.01.013.028']
Nama ['Hilmy Adrizul']
IPK ['3.90']
Hobi ['Berkemah']
Alamat ['Lape']
PS D:\TI\AI\Tugas Praktikum Python 4>