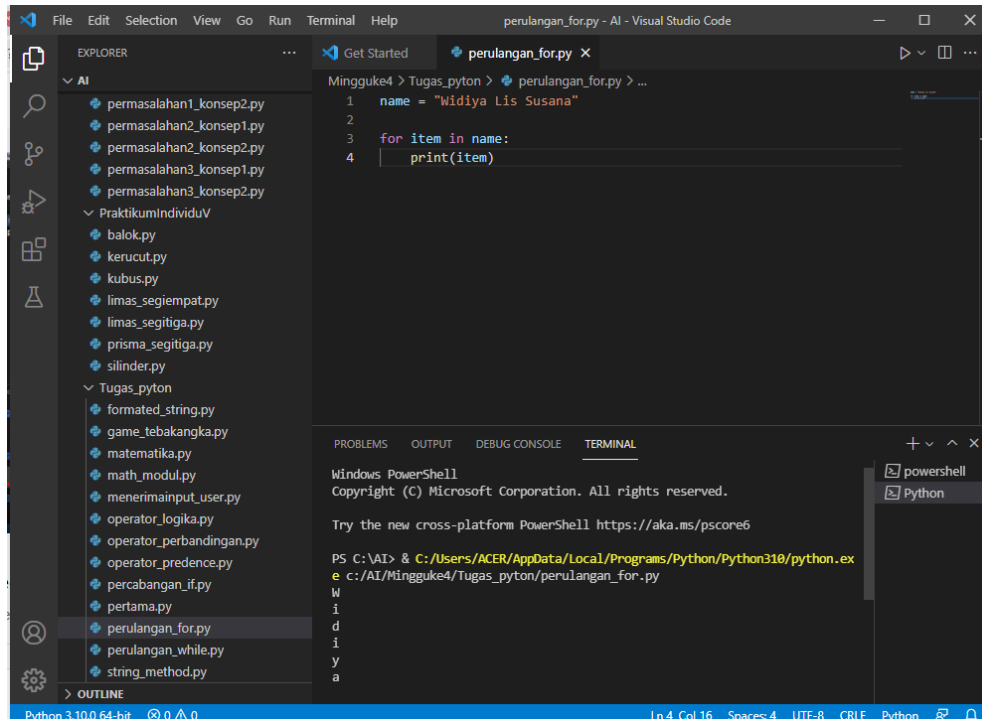


TUGAS PYTHON IV

1. Perulangan For



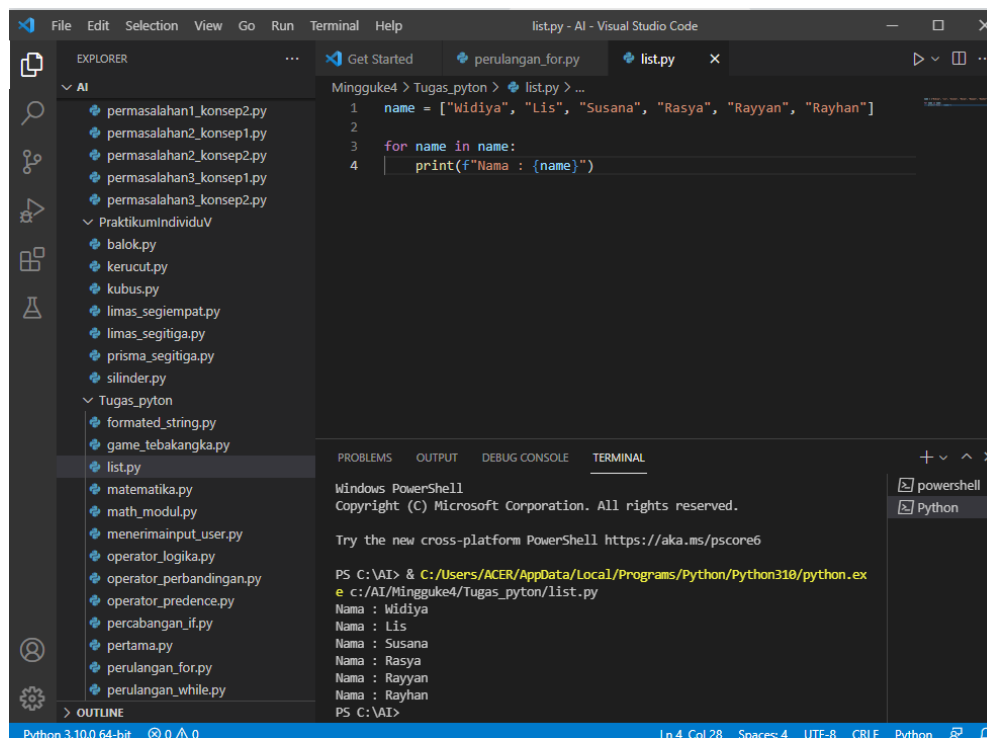
The screenshot shows the Visual Studio Code interface with a file named 'perulangan_for.py' open. The Explorer panel on the left shows a project structure with various Python files. The main editor displays the following code:

```
1 name = "Widiya Lis Susana"
2
3 for item in name:
4     print(item)
```

The TERMINAL panel at the bottom shows the output of the program:

```
PS C:\AI> & C:/Users/ACER/AppData/Local/Programs/Python/Python310/python.exe c:/AI/Mingguke4/Tugas_pyton/perulangan_for.py
W
i
d
i
y
a
L
i
s
S
u
s
a
n
a
```

2. List



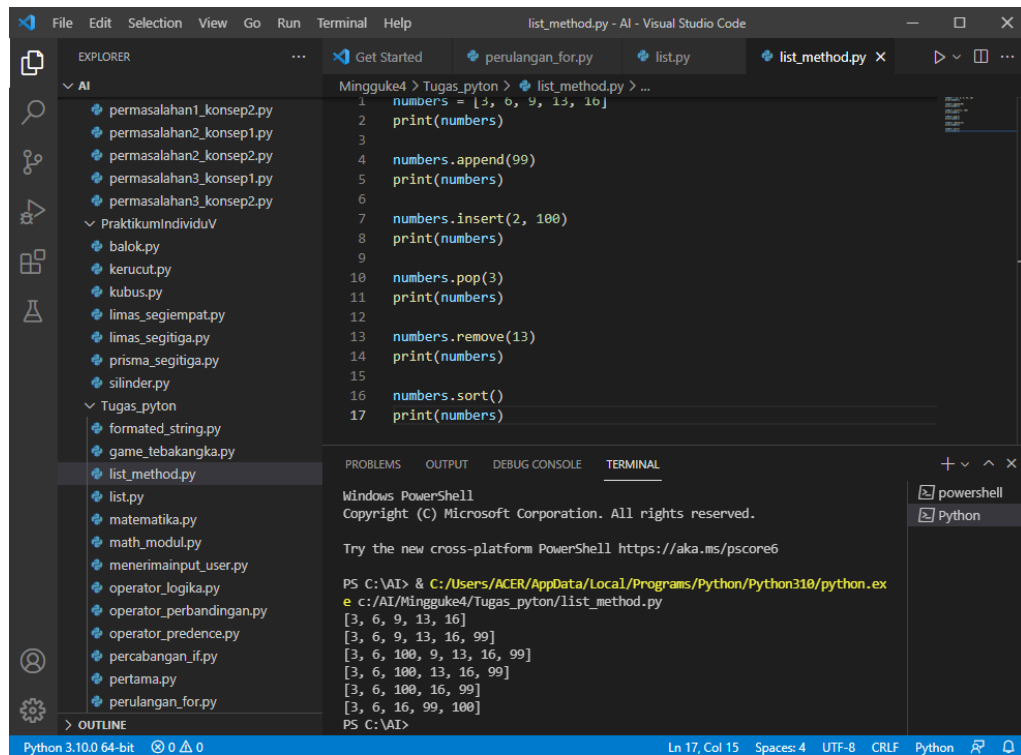
The screenshot shows the Visual Studio Code interface with a file named 'list.py' open. The Explorer panel on the left shows a project structure with various Python files. The main editor displays the following code:

```
1 name = ["Widiya", "Lis", "Susana", "Rasya", "Rayyan", "Rayhan"]
2
3 for name in name:
4     print(f>Nama : {name}")
```

The TERMINAL panel at the bottom shows the output of the program:

```
PS C:\AI> & C:/Users/ACER/AppData/Local/Programs/Python/Python310/python.exe c:/AI/Mingguke4/Tugas_pyton/list.py
Nama : Widiya
Nama : Lis
Nama : Susana
Nama : Rasya
Nama : Rayyan
Nama : Rayhan
PS C:\AI>
```

3. List Method



The screenshot shows the Visual Studio Code interface with the file explorer on the left, the editor in the center, and the terminal at the bottom. The file explorer shows a project named 'AI' with various Python files. The editor displays the code for 'list_method.py', which demonstrates various list methods. The terminal shows the command to run the script and the resulting output.

```
list_method.py - AI - Visual Studio Code
```

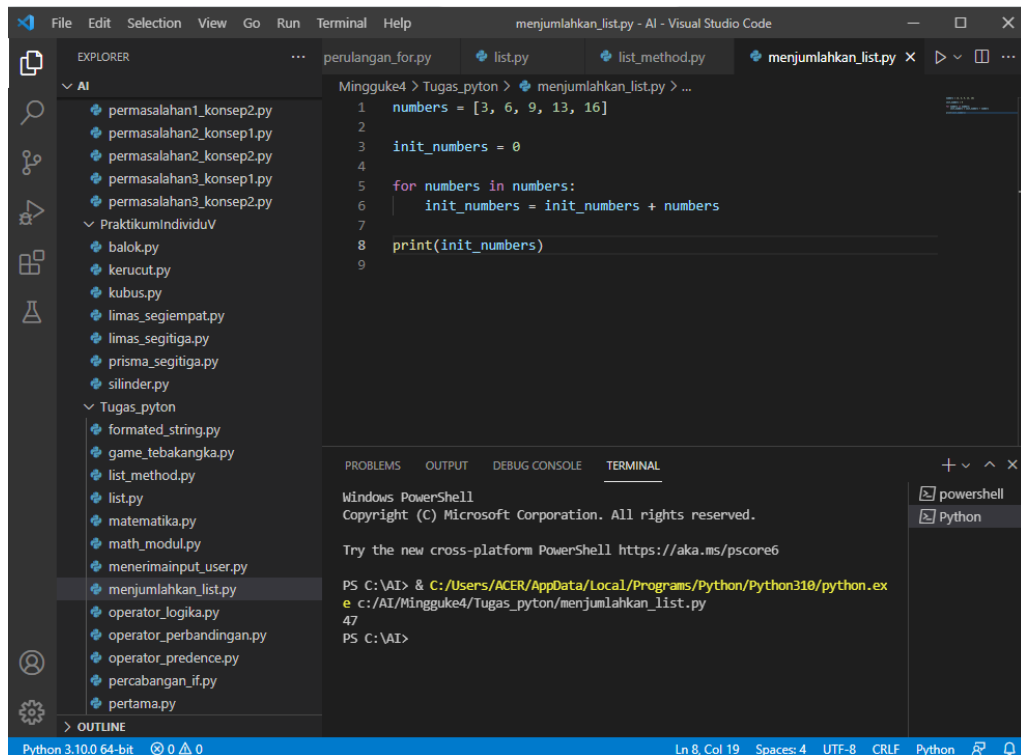
```
1 numbers = [3, 6, 9, 13, 16]
2 print(numbers)
3
4 numbers.append(99)
5 print(numbers)
6
7 numbers.insert(2, 100)
8 print(numbers)
9
10 numbers.pop(3)
11 print(numbers)
12
13 numbers.remove(13)
14 print(numbers)
15
16 numbers.sort()
17 print(numbers)
```

```
Windows PowerShell
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PS C:\VAI> & C:/Users/ACER/AppData/Local/Programs/Python/Python310/python.exe c:/AI/Mingguk4/Tugas_pyton/list_method.py
[3, 6, 9, 13, 16]
[3, 6, 9, 13, 16, 99]
[3, 6, 100, 9, 13, 16, 99]
[3, 6, 100, 13, 16, 99]
[3, 6, 100, 16, 99]
[3, 6, 16, 99, 100]
PS C:\VAI>
```

4. Menjumlahkan List



The screenshot shows the Visual Studio Code interface with the file explorer on the left, the editor in the center, and the terminal at the bottom. The file explorer shows a project named 'AI' with various Python files. The editor displays the code for 'menjumlahkan_list.py', which demonstrates how to calculate the sum of elements in a list. The terminal shows the command to run the script and the resulting output.

```
menjumlahkan_list.py - AI - Visual Studio Code
```

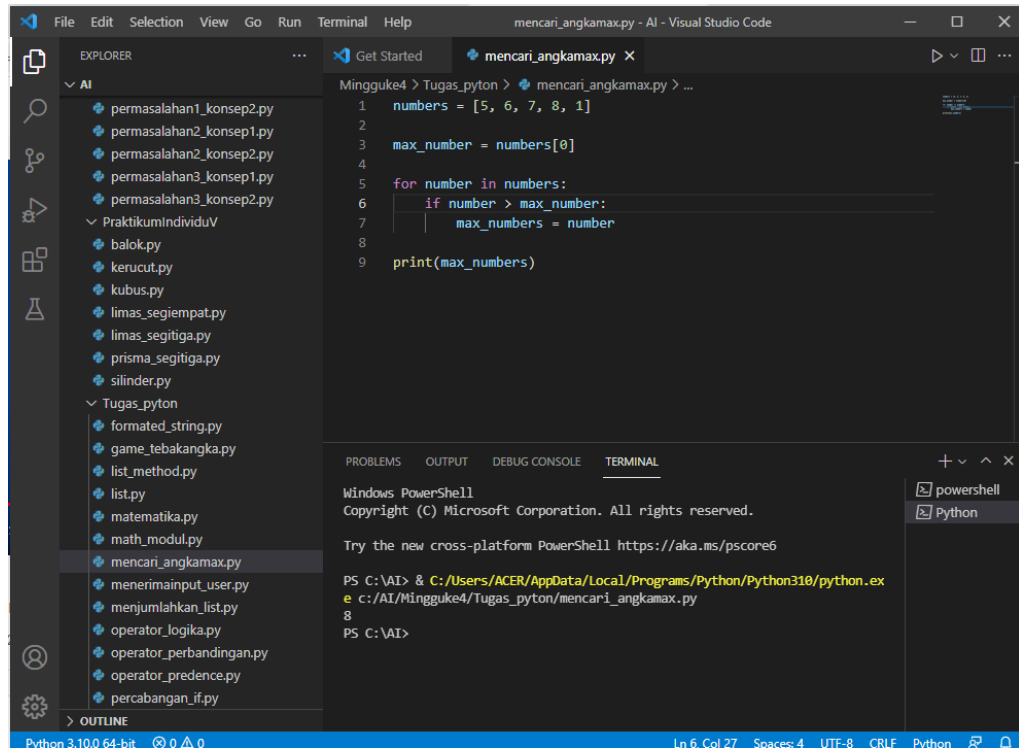
```
1 numbers = [3, 6, 9, 13, 16]
2
3 init_numbers = 0
4
5 for numbers in numbers:
6     init_numbers = init_numbers + numbers
7
8 print(init_numbers)
9
```

```
Windows PowerShell
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PS C:\VAI> & C:/Users/ACER/AppData/Local/Programs/Python/Python310/python.exe c:/AI/Mingguk4/Tugas_pyton/menjumlahkan_list.py
47
PS C:\VAI>
```

5. Mencari Angka Max



The screenshot shows the Visual Studio Code interface with a file explorer on the left containing various Python files. The main editor displays a file named `mencari_angkamax.py` with the following Python code:

```
1 numbers = [5, 6, 7, 8, 1]
2
3 max_number = numbers[0]
4
5 for number in numbers:
6     if number > max_number:
7         max_number = number
8
9 print(max_number)
```

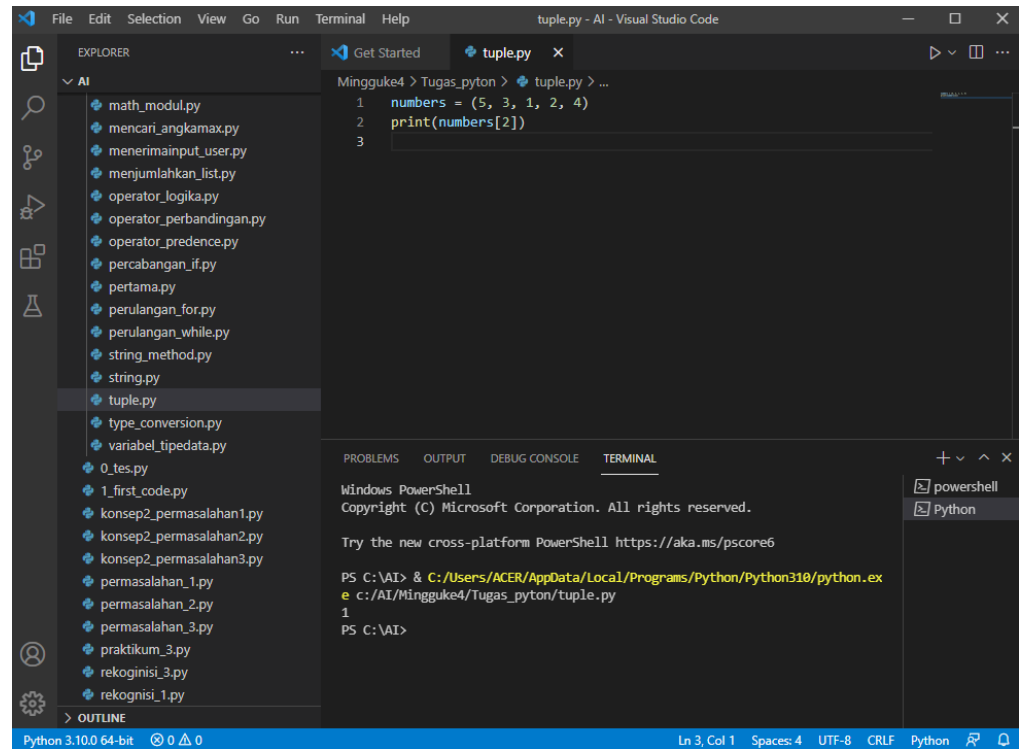
The bottom panel shows the TERMINAL window with Windows PowerShell output:

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

PS C:\AI> & C:/Users/ACER/AppData/Local/Programs/Python/Python310/python.exe
e c:/AI/Mingguke4/Tugas_pyton/mencari_angkamax.py
8
PS C:\AI>
```

6. Tuple



The screenshot shows the Visual Studio Code interface with a file explorer on the left. The main editor displays a file named `tuple.py` with the following Python code:

```
1 numbers = (5, 3, 1, 2, 4)
2 print(numbers[2])
3
```

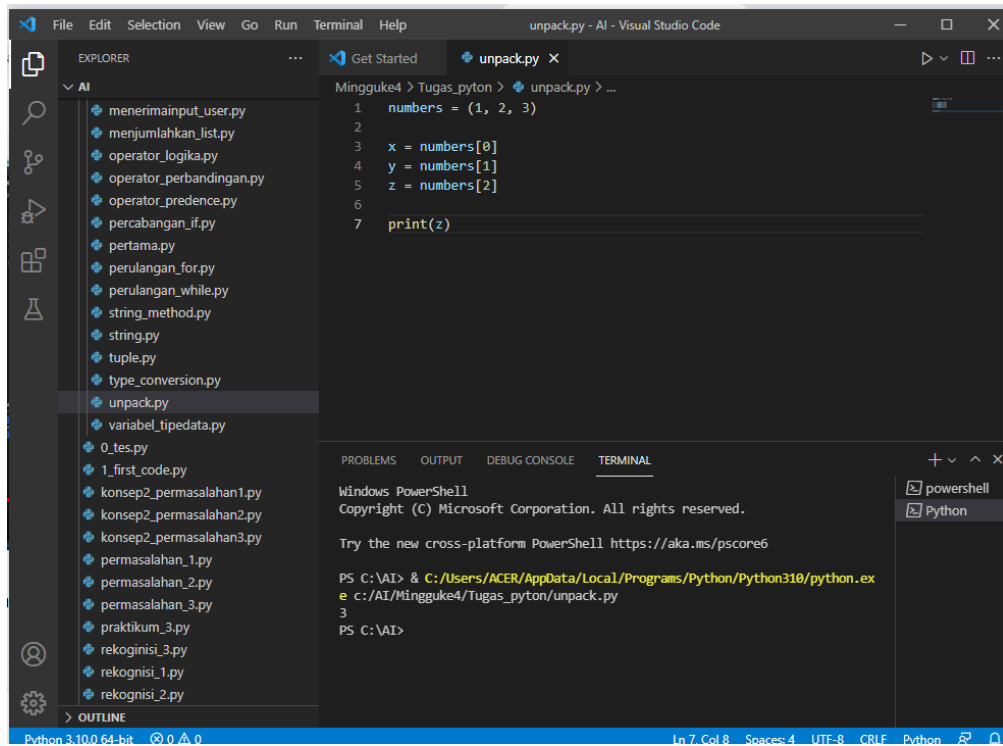
The bottom panel shows the TERMINAL window with Windows PowerShell output:

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

PS C:\AI> & C:/Users/ACER/AppData/Local/Programs/Python/Python310/python.exe
e c:/AI/Mingguke4/Tugas_pyton/tuple.py
1
PS C:\AI>
```

7. Unpack



The screenshot shows the Visual Studio Code interface with the 'unpack.py' file open. The Explorer panel on the left lists various Python files, including 'unpack.py'. The main editor displays the code for 'unpack.py', which defines a list 'numbers' and prints its last element. The terminal at the bottom shows the command to run the script, which executes successfully.

```
File Edit Selection View Go Run Terminal Help
unpack.py - AI - Visual Studio Code

EXPLORER
  AI
    menerima_input_user.py
    menjumlahkan_list.py
    operator_logika.py
    operator_perbandingan.py
    operator_precedence.py
    percabangan_if.py
    pertama.py
    perulangan_for.py
    perulangan_while.py
    string_method.py
    string.py
    tuple.py
    type_conversion.py
    unpack.py
    variabel_typedata.py
    0_tes.py
    1_first_code.py
    konsep2_permasalahan1.py
    konsep2_permasalahan2.py
    konsep2_permasalahan3.py
    permasalahan_1.py
    permasalahan_2.py
    permasalahan_3.py
    praktikum_3.py
    rekognisi_3.py
    rekognisi_1.py
    rekognisi_2.py
  > OUTLINE

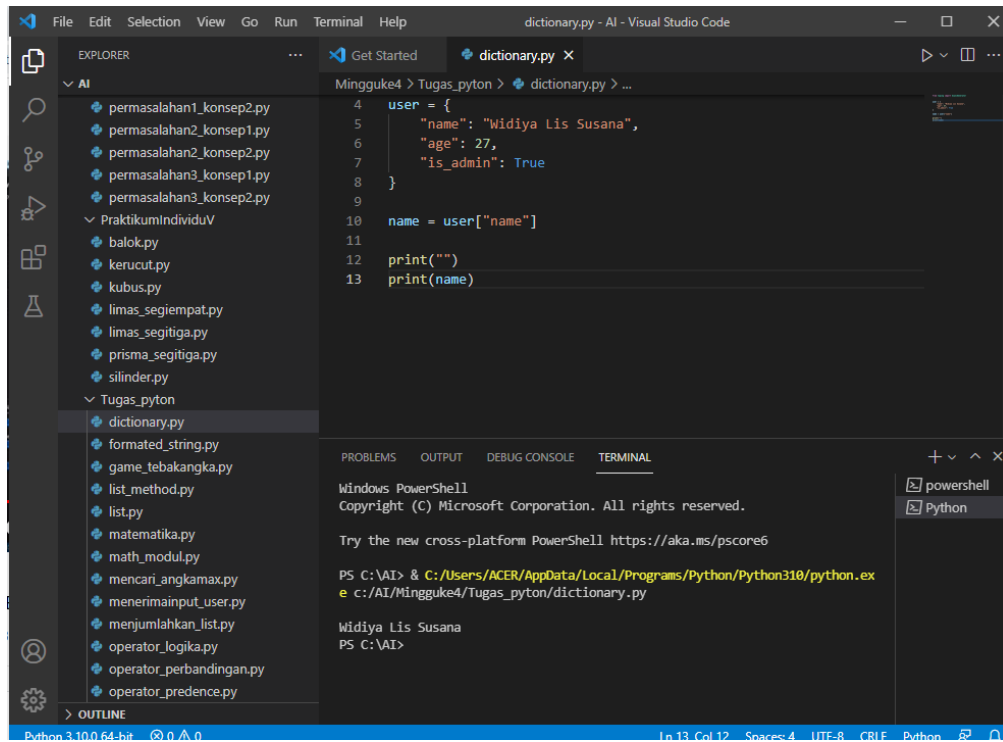
Main Editor
  Mingguke4 > Tugas_pyton > unpack.py > ...
  1 numbers = (1, 2, 3)
  2
  3 x = numbers[0]
  4 y = numbers[1]
  5 z = numbers[2]
  6
  7 print(z)

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

  PS C:\AI> & C:/Users/ACER/AppData/Local/Programs/Python/Python310/python.exe c:/AI/Mingguke4/Tugas_pyton/unpack.py
  3
  PS C:\AI>
```

8. Dictionary



The screenshot shows the Visual Studio Code interface with the 'dictionary.py' file open. The Explorer panel on the left lists various Python files, including 'dictionary.py'. The main editor displays the code for 'dictionary.py', which creates a dictionary 'user' and prints the value of 'name'. The terminal at the bottom shows the command to run the script, which executes successfully.

```
File Edit Selection View Go Run Terminal Help
dictionary.py - AI - Visual Studio Code

EXPLORER
  AI
    permasalahan1_konsep2.py
    permasalahan2_konsep1.py
    permasalahan2_konsep2.py
    permasalahan3_konsep1.py
    permasalahan3_konsep2.py
    PraktikumIndividuV
      balok.py
      kerucut.py
      kubus.py
      limas_segiempat.py
      limas_segitiga.py
      prisma_segitiga.py
      silinder.py
    Tugas_pyton
      dictionary.py
      formated_string.py
      game_tebakangka.py
      list_method.py
      list.py
      matematika.py
      math_modul.py
      mencari_angkamax.py
      menerima_input_user.py
      menjumlahkan_list.py
      operator_logika.py
      operator_perbandingan.py
      operator_precedence.py
  > OUTLINE

Main Editor
  Mingguke4 > Tugas_pyton > dictionary.py > ...
  4 user = {
  5     "name": "Widiya Lis Susana",
  6     "age": 27,
  7     "is_admin": True
  8 }
  9
  10 name = user["name"]
  11
  12 print("")
  13 print(name)

Terminal
  Windows PowerShell
  Copyright (C) Microsoft Corporation. All rights reserved.

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

  PS C:\AI> & C:/Users/ACER/AppData/Local/Programs/Python/Python310/python.exe c:/AI/Mingguke4/Tugas_pyton/dictionary.py
  Widiya Lis Susana
  PS C:\AI>
```