

Nama : Radimas Audisyah Rahmana

Nim : 211001011

Kelas : D

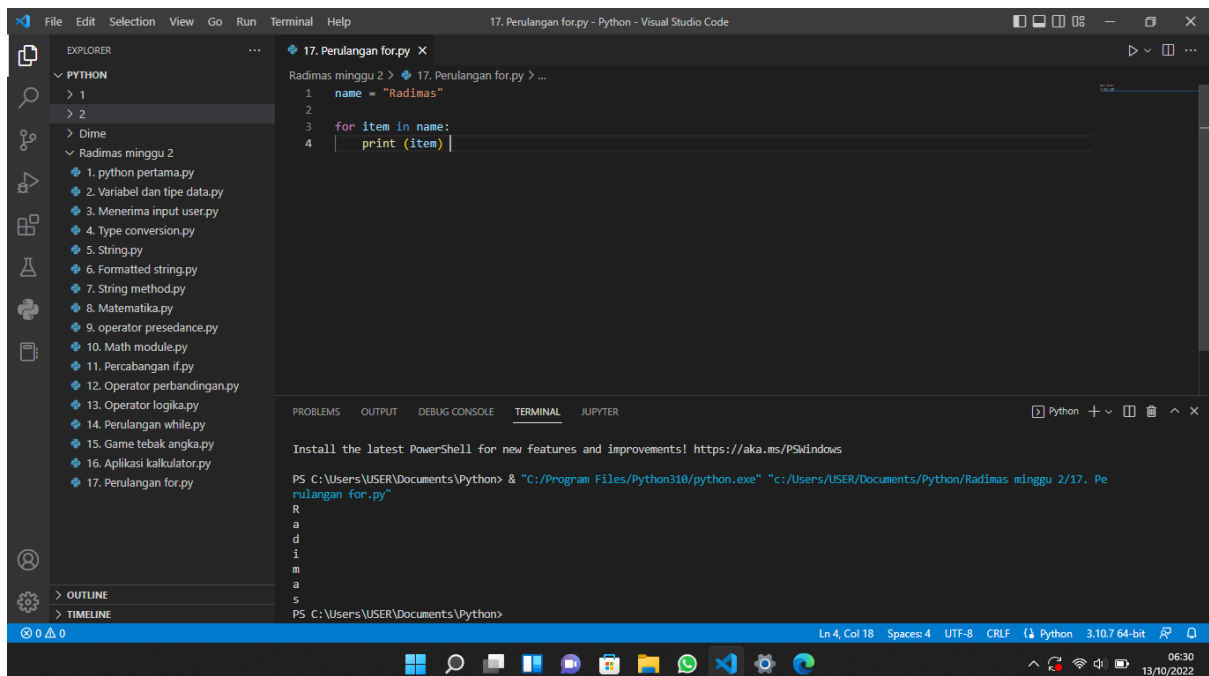
Tugas ke – 4

PY 4

Tema :

- Perulangan for
- List
- List method
- Menjumlahkan list
- Mencari angka max
- Tuple
- Unpack
- Dictionary

1. Perulangan for



```
File Edit Selection View Go Run Terminal Help
17. Perulangan for.py - Python - Visual Studio Code

EXPLORER
PYTHON
> 1
> 2
> Dime
Radimas minggu 2
1. python pertama.py
2. Variabel dan tipe data.py
3. Menerima input user.py
4. Type conversion.py
5. String.py
6. Formatted string.py
7. String method.py
8. Matematika.py
9. operator presedance.py
10. Math module.py
11. Percabangan if.py
12. Operator perbandingan.py
13. Operator logika.py
14. Perulangan while.py
15. Game tebak angka.py
16. Aplikasi kalkulator.py
17. Perulangan for.py

OUTLINE
TIMELINE

17. Perulangan for.py
1 name = "Radimas"
2
3 for item in name:
4     print (item)

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL JUPYTER
Python Python
Install the latest PowerShell for new features and improvements! https://aka.ms/PSWindows
PS C:\Users\USER\Documents\Python> & "C:/Program Files/Python310/python.exe" "c:/Users/USER/Documents/Python/Radimas minggu 2/17. Perulangan for.py"
R
a
d
i
m
a
s
PS C:\Users\USER\Documents\Python>
```

Visual Studio Code interface showing a Python script named `17. Perulangan for.py`. The script uses a `for` loop with `range(1, 12)` to print numbers from 1 to 11. The terminal output shows the execution results.

```
1
2 for item in range(1, 12):
3     print(item)
```

Terminal Output:

```
PS C:\Users\USER\Documents\Python> & "C:/Program Files/Python310/python.exe" "c:/Users/USER/Documents/Python/Radimas minggu 2/17. Perulangan for.p
y"
1
2
3
4
5
6
7
8
9
10
11
```

Visual Studio Code interface showing a Python script named `17. Perulangan for.py`. The script uses a `for` loop with `range(12)` to print numbers from 0 to 11. The terminal output shows the execution results.

```
1
2 for item in range(12):
3     print(item)
```

Terminal Output:

```
0
1
2
3
4
5
6
7
8
9
10
11
```

The screenshot shows the Visual Studio Code interface with a file explorer on the left containing a directory named 'Radimas minggu 2' with various Python files. The main editor displays a file named '17. Perulangan for.py' with the following code:

```
1  
2 for item in range(1, 12, 2):  
3     print(item)
```

The terminal at the bottom shows the command prompt output after running the script:

```
Windows PowerShell  
Copyright (C) Microsoft Corporation. All rights reserved.  
  
Install the latest PowerShell for new features and improvements! https://aka.ms/PSWindows  
  
PS C:\Users\USER\Documents\Python> & "C:/Program Files/Python310/python.exe" "c:/Users/USER/Documents/Python/Radimas minggu 2/17. Perulangan for.py"  
1  
3  
5  
7  
9  
11  
PS C:\Users\USER\Documents\Python>
```

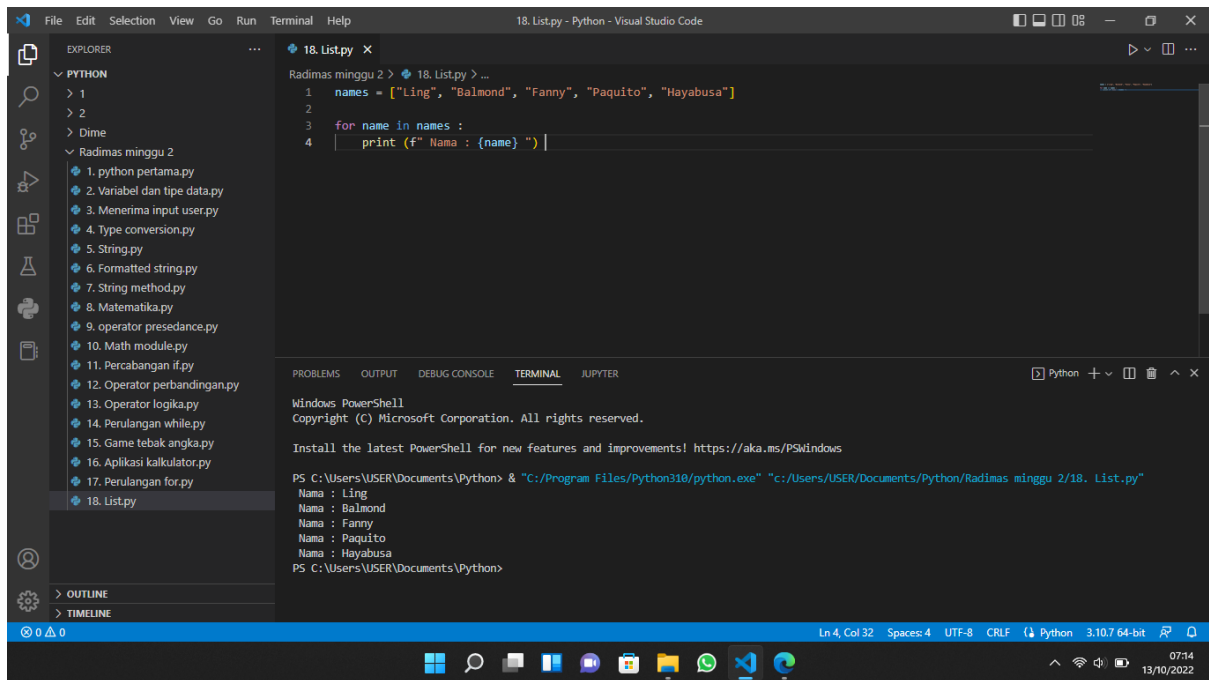
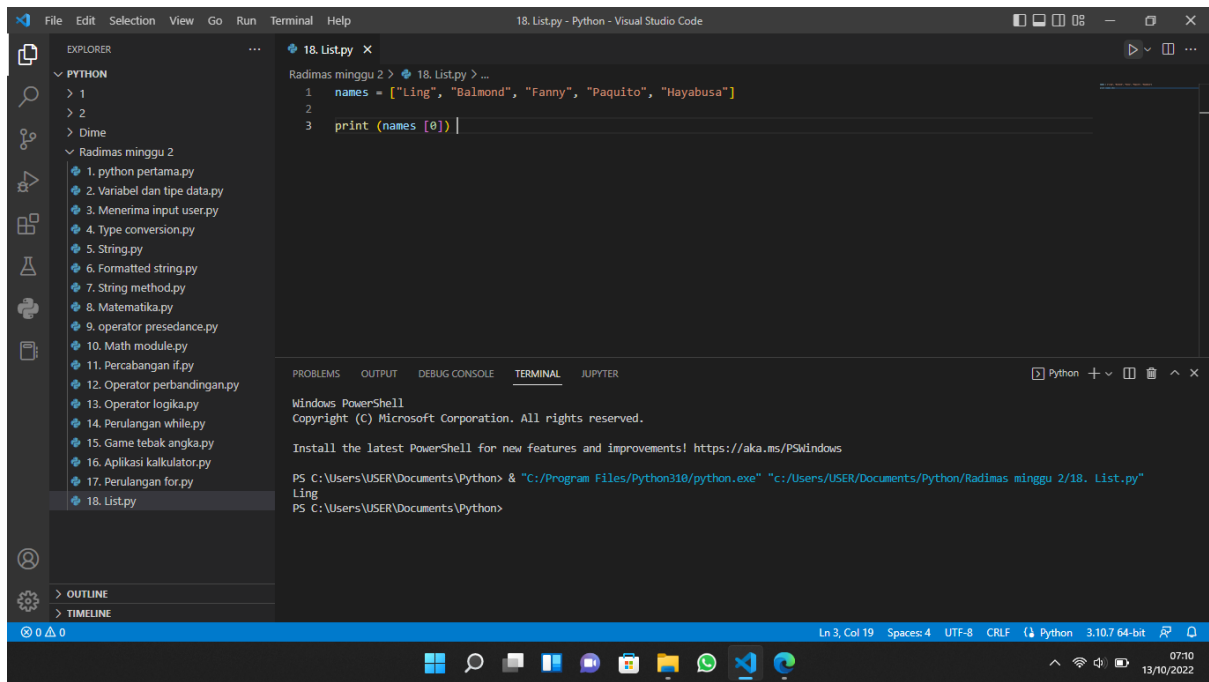
2. List

The screenshot shows the Visual Studio Code interface with a file explorer on the left containing a directory named 'Radimas minggu 2' with various Python files. The main editor displays a file named '18. List.py' with the following code:

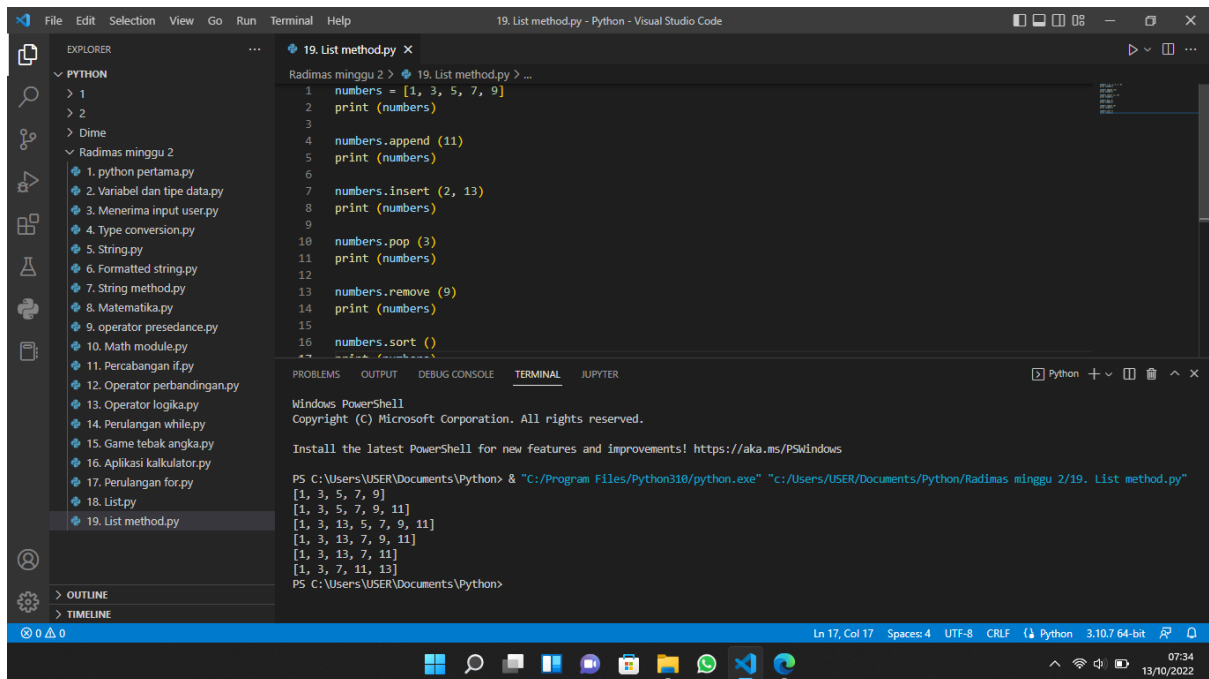
```
1 names = ["Ling", "Balmond", "Fanny", "Paquito", "Hayabusa"]  
2  
3 print(names)
```

The terminal at the bottom shows the command prompt output after running the script:

```
Windows PowerShell  
Copyright (C) Microsoft Corporation. All rights reserved.  
  
Install the latest PowerShell for new features and improvements! https://aka.ms/PSWindows  
  
PS C:\Users\USER\Documents\Python> & "C:/Program Files/Python310/python.exe" "c:/Users/USER/Documents/Python/Radimas minggu 2/18. List.py"  
['Ling', 'Balmond', 'Fanny', 'Paquito', 'Hayabusa']  
PS C:\Users\USER\Documents\Python>
```



3. List method



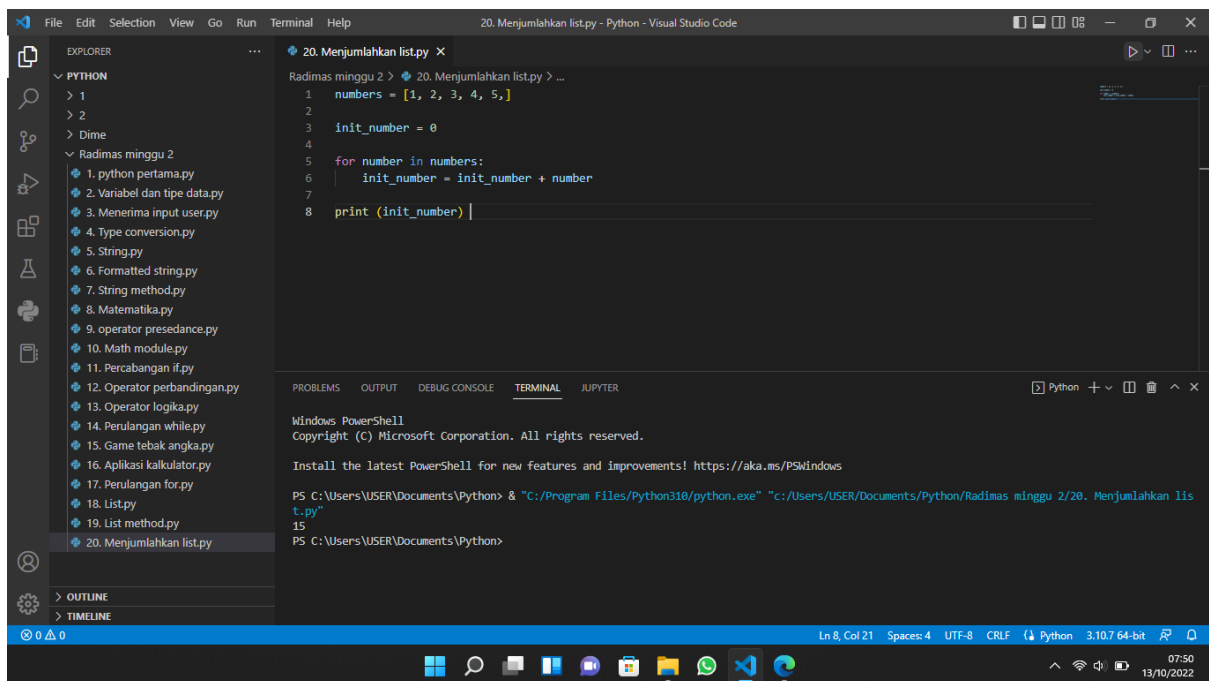
The screenshot shows a Visual Studio Code window with a Python file named '19. List method.py'. The file contains the following code:

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

The terminal output shows the execution of the script, displaying the list at each step:

```
PS C:\Users\USER\Documents\Python> "C:/Program Files/Python310/python.exe" "c:/Users/USER/Documents/Python/Radimas minggu 2/19. List method.py"
[1, 3, 5, 7, 9]
[1, 3, 5, 7, 9, 11]
[1, 3, 13, 5, 7, 9, 11]
[1, 3, 13, 7, 9, 11]
[1, 3, 13, 7, 11]
[1, 3, 7, 11, 13]
```

4. Menjumlahkan List



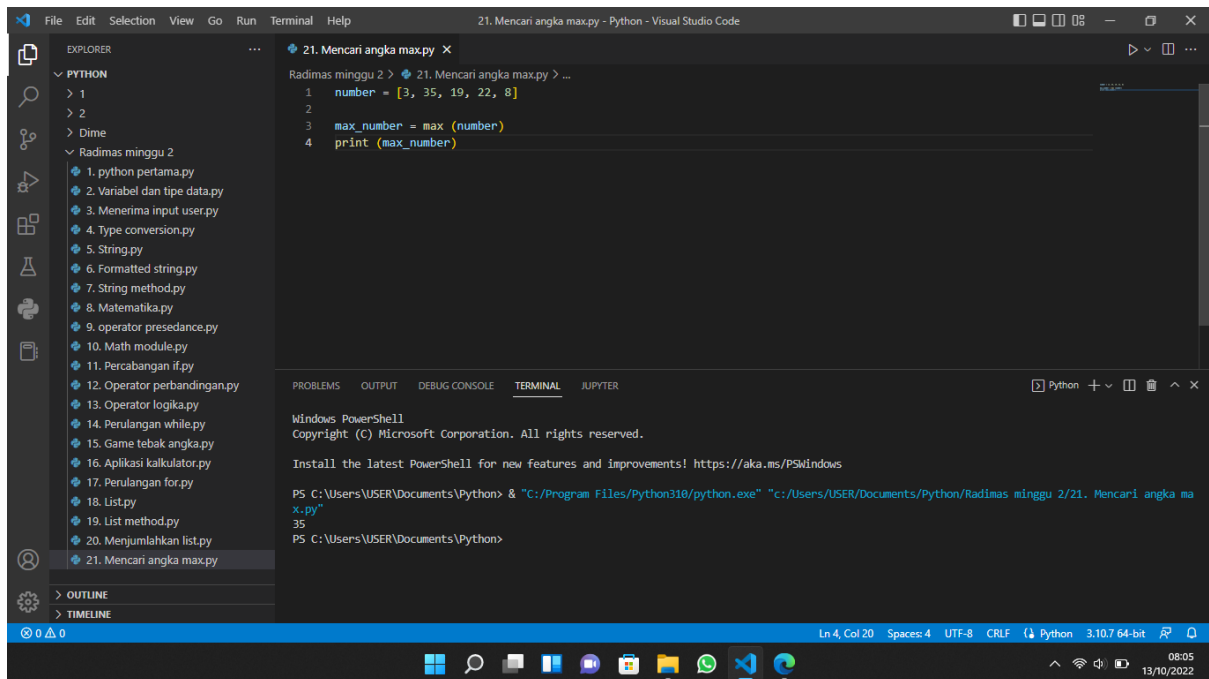
The screenshot shows a Visual Studio Code window with a Python file named '20. Menjumlahkan list.py'. The file contains the following code:

```
1 numbers = [1, 2, 3, 4, 5,]
2
3 init_number = 0
4
5 for number in numbers:
6     init_number = init_number + number
7
8 print (init_number) |
```

The terminal output shows the execution of the script, displaying the final sum:

```
PS C:\Users\USER\Documents\Python> "C:/Program Files/Python310/python.exe" "c:/Users/USER/Documents/Python/Radimas minggu 2/20. Menjumlahkan list.py"
15
```

5. Mencari angka max



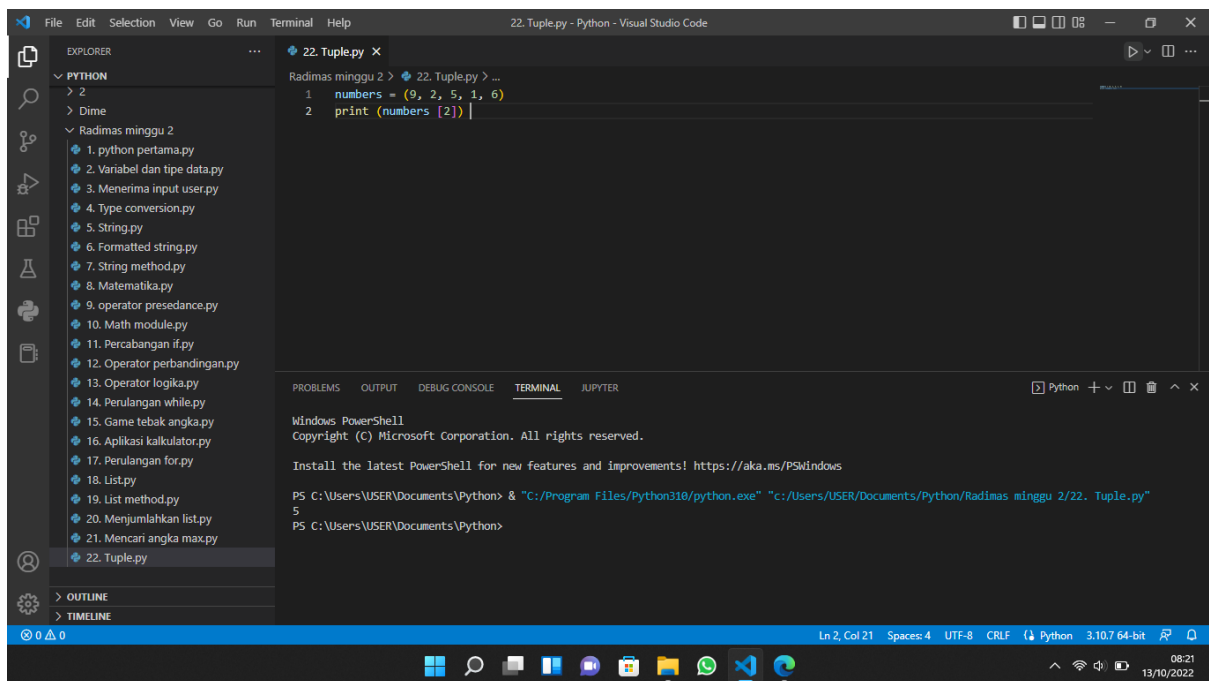
The screenshot shows the Visual Studio Code interface with a file explorer on the left containing a directory named 'Radimas minggu 2'. The main editor displays a file named '21. Mencari angka max.py' with the following Python code:

```
Radimas minggu 2 > 21. Mencari angka max.py > ...  
1  number = [3, 35, 19, 22, 8]  
2  
3  max_number = max(number)  
4  print(max_number)
```

The terminal at the bottom shows the command prompt output:

```
Windows PowerShell  
Copyright (C) Microsoft Corporation. All rights reserved.  
  
Install the latest PowerShell for new features and improvements! https://aka.ms/PSWindows  
  
PS C:\Users\USER\Documents\Python> & "C:/Program Files/Python310/python.exe" "c:/Users/USER/Documents/Python/Radimas minggu 2/21. Mencari angka max.py"  
35  
PS C:\Users\USER\Documents\Python>
```

6. Tuple



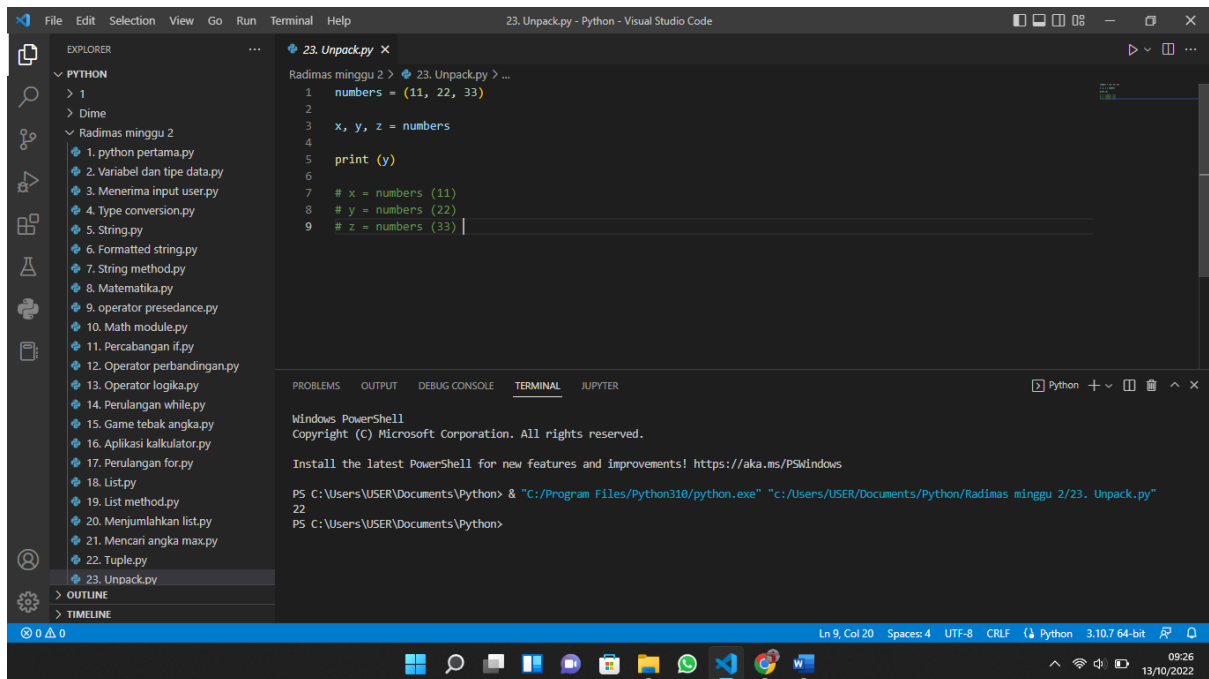
The screenshot shows the Visual Studio Code interface with a file explorer on the left containing a directory named 'Radimas minggu 2'. The main editor displays a file named '22. Tuple.py' with the following Python code:

```
Radimas minggu 2 > 22. Tuple.py > ...  
1  numbers = (9, 2, 5, 1, 6)  
2  print(numbers[2])
```

The terminal at the bottom shows the command prompt output:

```
Windows PowerShell  
Copyright (C) Microsoft Corporation. All rights reserved.  
  
Install the latest PowerShell for new features and improvements! https://aka.ms/PSWindows  
  
PS C:\Users\USER\Documents\Python> & "C:/Program Files/Python310/python.exe" "c:/Users/USER/Documents/Python/Radimas minggu 2/22. Tuple.py"  
5  
PS C:\Users\USER\Documents\Python>
```

7. Unpack



```
File Edit Selection View Go Run Terminal Help 23. Unpack.py - Python - Visual Studio Code
```

EXPLORER

- PYTHON
- > 1
- > Dime
- > Radimas minggu 2
 - 1. python pertama.py
 - 2. Variabel dan tipe data.py
 - 3. Menerima input user.py
 - 4. Type conversion.py
 - 5. String.py
 - 6. Formatted string.py
 - 7. String method.py
 - 8. Matematika.py
 - 9. operator presedance.py
 - 10. Math module.py
 - 11. Percabangan if.py
 - 12. Operator perbandingan.py
 - 13. Operator logika.py
 - 14. Perulangan while.py
 - 15. Game tebak angka.py
 - 16. Aplikasi kalkulator.py
 - 17. Perulangan for.py
 - 18. List.py
 - 19. List method.py
 - 20. Menjumlahkan list.py
 - 21. Mencari angka max.py
 - 22. Tuple.py
 - 23. Unpack.py
- > OUTLINE
- > TIMELINE

23. Unpack.py

```
Radimas minggu 2 > 23. Unpack.py > ...
1 numbers = (11, 22, 33)
2
3 x, y, z = numbers
4
5 print (y)
6
7 # x = numbers (11)
8 # y = numbers (22)
9 # z = numbers (33)
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL JUPYTER

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

Install the latest PowerShell for new features and improvements! <https://aka.ms/PSWindows>

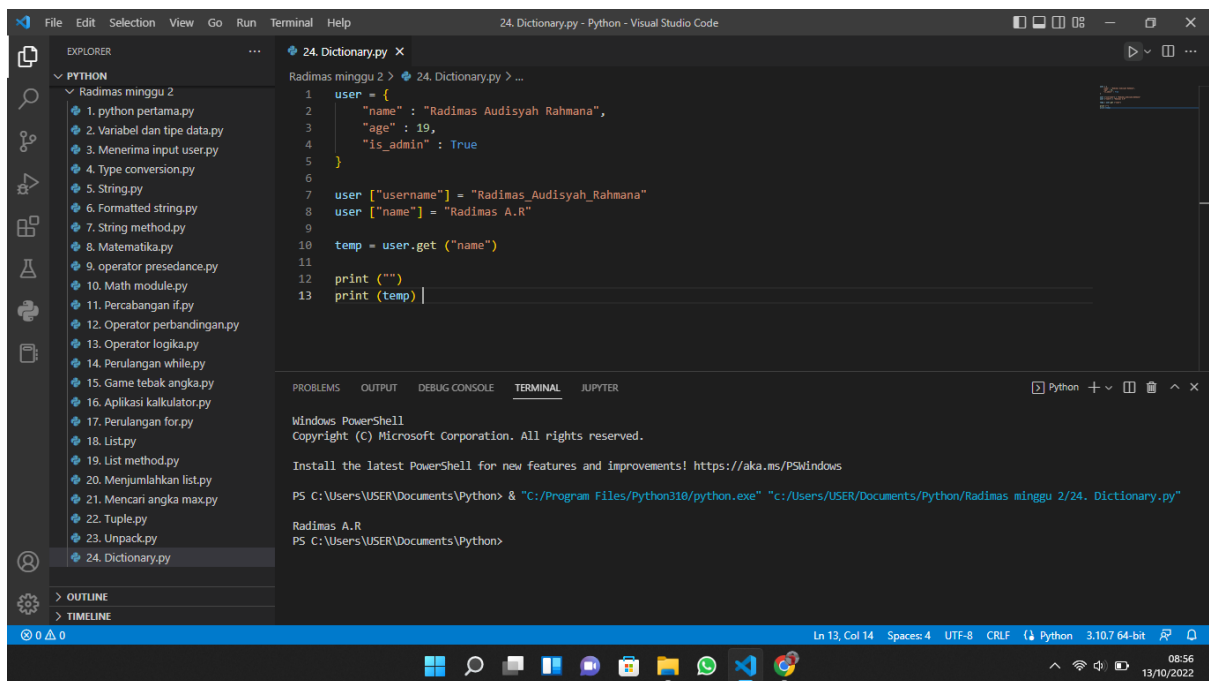
PS C:\Users\USER\Documents\Python> & "C:/Program Files/Python310/python.exe" "c:/Users/USER/Documents/Python/Radimas minggu 2/23. Unpack.py"

22

PS C:\Users\USER\Documents\Python>

Ln 9, Col 20 Spaces: 4 UTF-8 CRLF Python 3.10.7 64-bit 09:26 13/10/2022

8. Dictionary



```
File Edit Selection View Go Run Terminal Help 24. Dictionary.py - Python - Visual Studio Code
```

EXPLORER

- PYTHON
- > Radimas minggu 2
 - 1. python pertama.py
 - 2. Variabel dan tipe data.py
 - 3. Menerima input user.py
 - 4. Type conversion.py
 - 5. String.py
 - 6. Formatted string.py
 - 7. String method.py
 - 8. Matematika.py
 - 9. operator presedance.py
 - 10. Math module.py
 - 11. Percabangan if.py
 - 12. Operator perbandingan.py
 - 13. Operator logika.py
 - 14. Perulangan while.py
 - 15. Game tebak angka.py
 - 16. Aplikasi kalkulator.py
 - 17. Perulangan for.py
 - 18. List.py
 - 19. List method.py
 - 20. Menjumlahkan list.py
 - 21. Mencari angka max.py
 - 22. Tuple.py
 - 23. Unpack.py
 - 24. Dictionary.py
- > OUTLINE
- > TIMELINE

24. Dictionary.py

```
Radimas minggu 2 > 24. Dictionary.py > ...
1 user = {
2     "name": "Radimas Audisyah Rahmana",
3     "age": 19,
4     "is_admin": True
5 }
6
7 user ["username"] = "Radimas_Audisyah_Rahmana"
8 user ["name"] = "Radimas A.R"
9
10 temp = user.get ("name")
11
12 print ("")
13 print (temp)
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL JUPYTER

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

Install the latest PowerShell for new features and improvements! <https://aka.ms/PSWindows>

PS C:\Users\USER\Documents\Python> & "C:/Program Files/Python310/python.exe" "c:/Users/USER/Documents/Python/Radimas minggu 2/24. Dictionary.py"

Radimas A.R

PS C:\Users\USER\Documents\Python>

Ln 13, Col 14 Spaces: 4 UTF-8 CRLF Python 3.10.7 64-bit 08:56 13/10/2022