

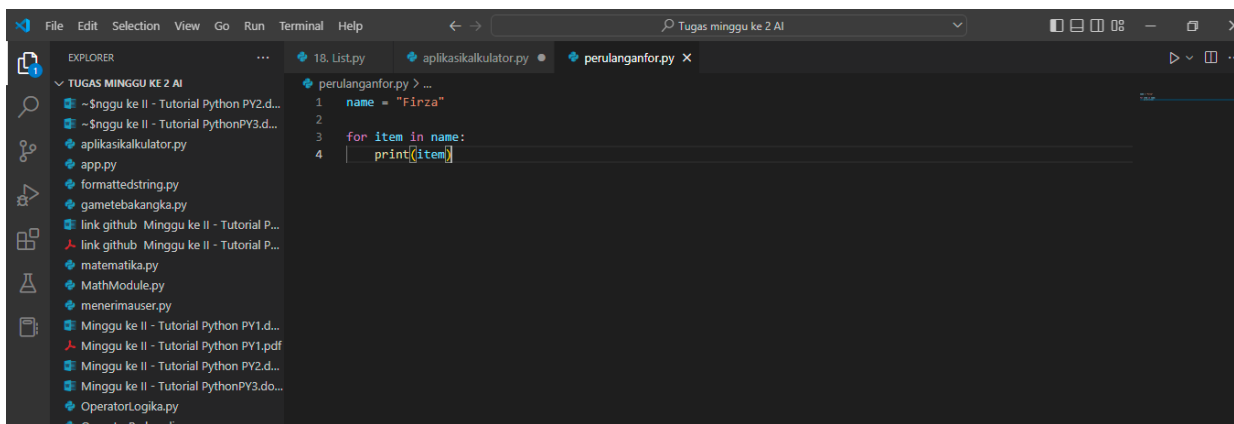
NAMA : FIRZA MAULANA

NIM : 211001038

KELAS : D/KECERDASAN BUATAN

- Perulangan For

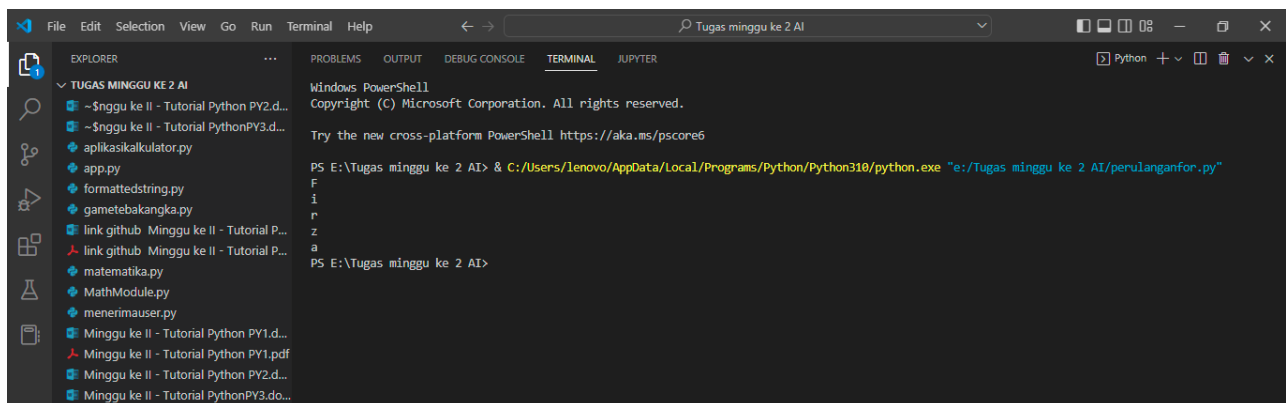
Contoh dalam vs code



The screenshot shows the Visual Studio Code interface. The Explorer panel on the left displays a project named 'TUGAS MINGGU KE 2 AI' with various files. The main editor window shows a file named 'perulanganfor.py' with the following Python code:

```
1 name = "Firza"
2
3 for item in name:
4     print(item)
```

Run VS CODE



The screenshot shows the Visual Studio Code interface with the Terminal panel open. The terminal displays the output of running the Python script 'perulanganfor.py' using the command prompt (PS). The output shows the characters 'F', 'i', 'r', 'z', 'a' printed on separate lines.

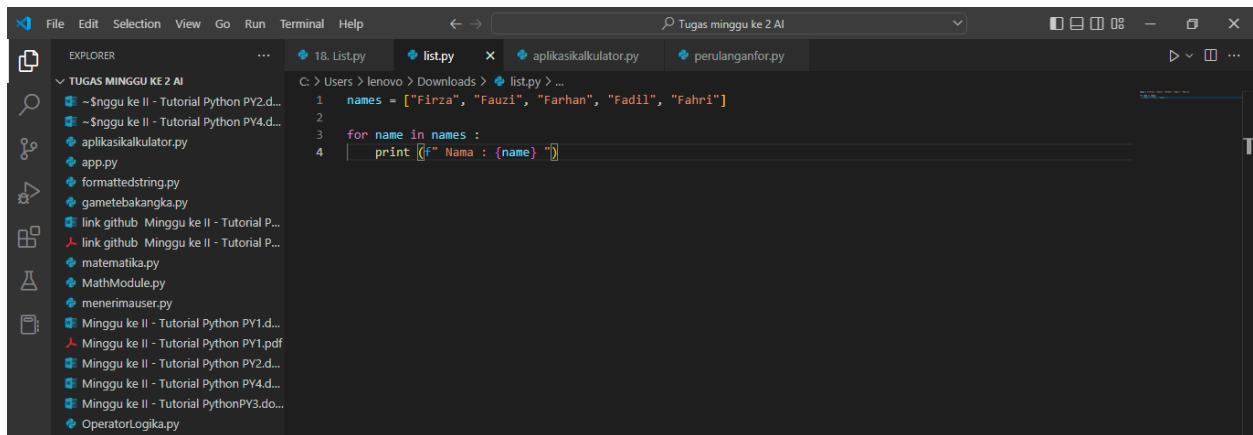
```
Windows PowerShell
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Try the new cross-platform PowerShell https://aka.ms/pscore6

PS E:\Tugas minggu ke 2 AI> & C:/Users/lenovo/AppData/Local/Programs/Python/Python310/python.exe "e:/Tugas minggu ke 2 AI/perulanganfor.py"
F
i
r
z
a
PS E:\Tugas minggu ke 2 AI>
```

- List

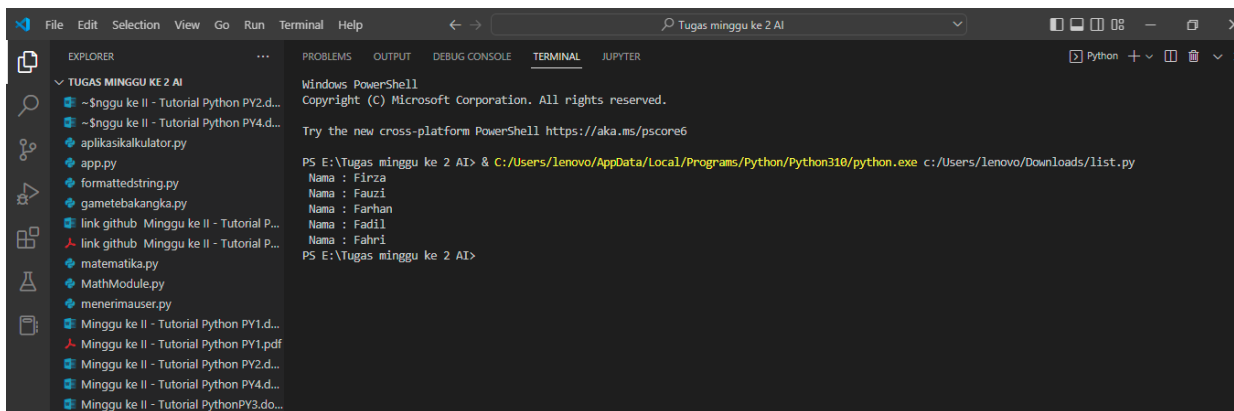
Contoh dalam VS CODE



The screenshot shows the Visual Studio Code interface. The Explorer sidebar on the left displays a file tree for a project named 'TUGAS MINGGU KE 2 AI'. The main editor window shows a Python file named 'list.py' with the following code:

```
1 names = ["Firza", "Fauzi", "Farhan", "Fadil", "Fahrri"]
2
3 for name in names :
4     print (f" Nama : {name} ")
```

Run VS CODE



The screenshot shows the Visual Studio Code interface with the Terminal panel open. The terminal displays the output of running the Python script 'list.py' using the command `python.exe c:/Users/lenovo/Downloads/list.py`. The output shows the names of the list elements, each preceded by 'Nama : '.

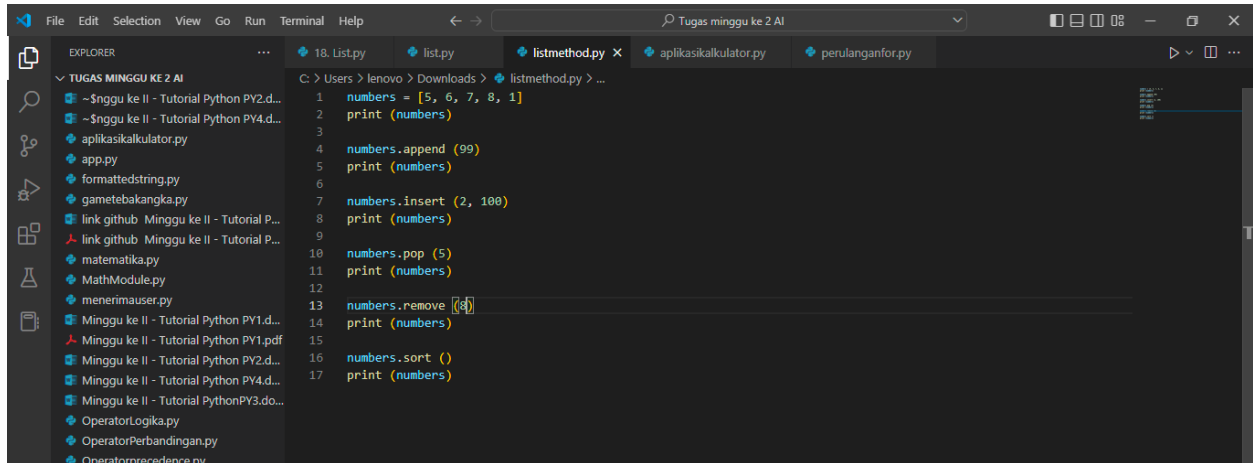
```
Windows PowerShell
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Try the new cross-platform PowerShell https://aka.ms/pscore6

PS E:\Tugas_minggu ke 2 AI> & C:/Users/lenovo/AppData/Local/Programs/Python/Python310/python.exe c:/Users/lenovo/Downloads/list.py
Nama : Firza
Nama : Fauzi
Nama : Farhan
Nama : Fadil
Nama : Fahrri
PS E:\Tugas_minggu ke 2 AI>
```

- List Method

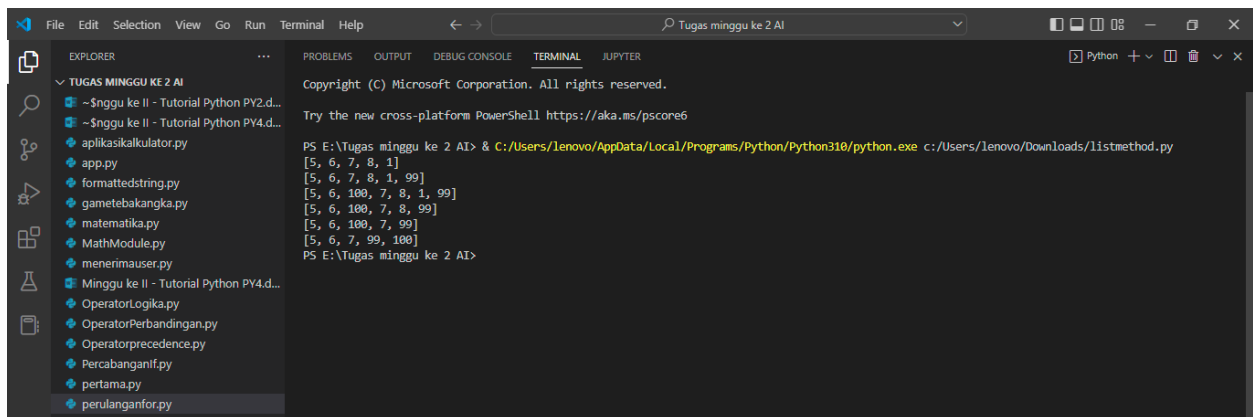
Contoh dalam VS CODE



The screenshot shows the VS Code editor with a file named `listmethod.py` open. The code defines a list `numbers` and demonstrates various list methods:

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

Run VS CODE

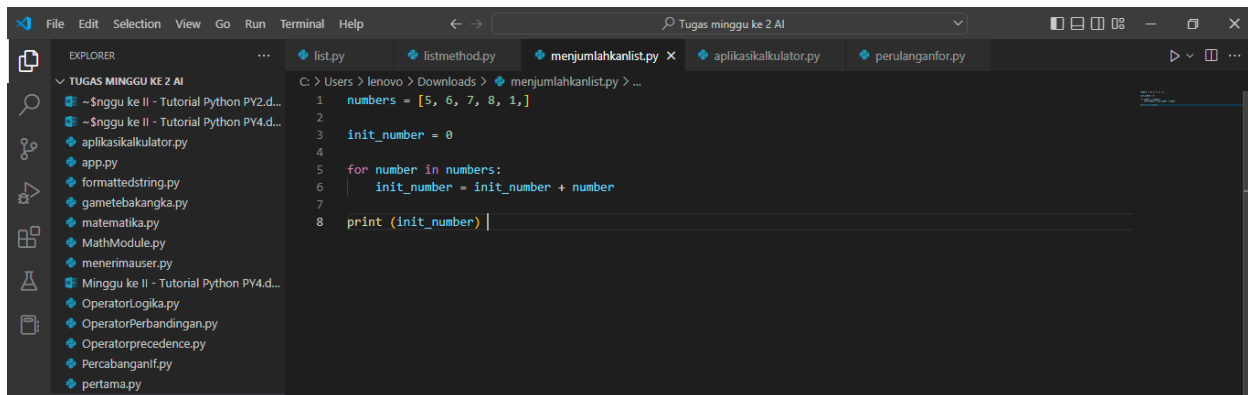


The screenshot shows the VS Code terminal window with the command `python c:/Users/lenovo/Downloads/listmethod.py` executed. The output displays the state of the `numbers` list after each operation:

```
PS E:\Tugas minggu ke 2 AI> & C:/Users/lenovo/AppData/Local/Programs/Python/Python310/python.exe c:/Users/lenovo/Downloads/listmethod.py
[5, 6, 7, 8, 1]
[5, 6, 7, 8, 1, 99]
[5, 6, 100, 7, 8, 1, 99]
[5, 6, 100, 7, 8, 99]
[5, 6, 100, 7, 99]
[5, 6, 7, 99, 100]
PS E:\Tugas minggu ke 2 AI>
```

- Menjumlahkan List

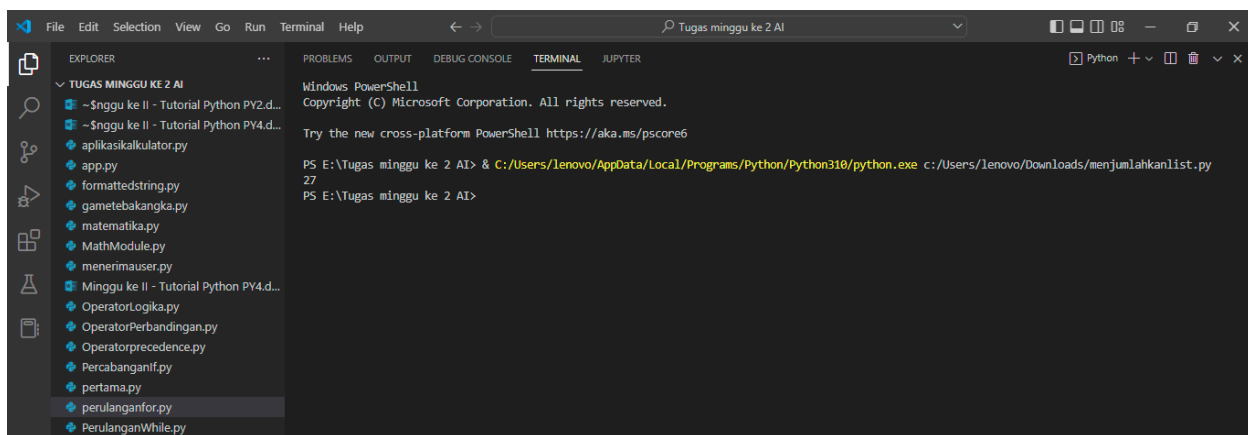
Contoh dalam VS CODE



The screenshot shows the Visual Studio Code interface. The Explorer panel on the left displays a project named 'TUGAS MINGGU KE 2 AI' with various Python files. The main editor window is open to a file named 'menjumlahkanlist.py'. The code in the editor is as follows:

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

Run VS CODE



The screenshot shows the Visual Studio Code interface with the Terminal panel open at the bottom. The terminal displays the Windows PowerShell prompt and the execution of the Python script. The command entered is:

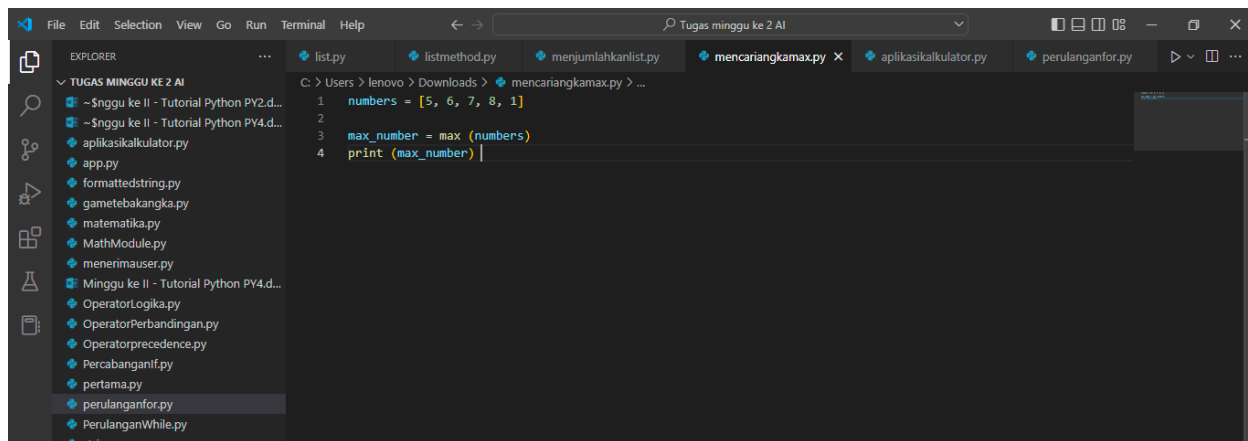
```
PS E:\Tugas minggu ke 2 AI> & C:/Users/lenovo/AppData/Local/Programs/Python/Python310/python.exe c:/Users/lenovo/Downloads/menjumlahkanlist.py
```

The output of the script is:

```
27  
PS E:\Tugas minggu ke 2 AI>
```

- Mencari Angka Max

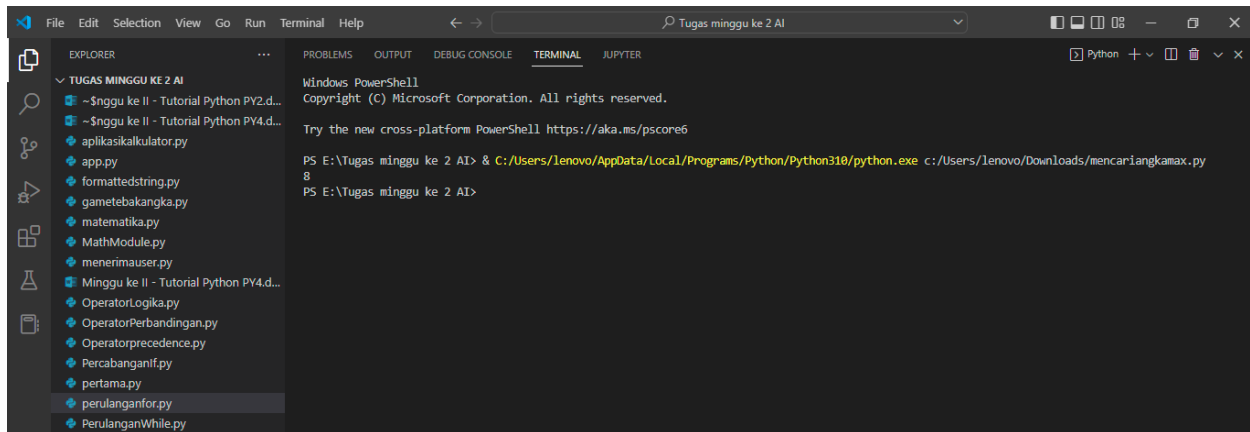
Contoh dalam VS CODE



The screenshot shows the VS Code interface with the Explorer sidebar on the left displaying a project named 'TUGAS MINGGU KE 2 AI'. The main editor window shows the file 'mencariangkamax.py' with the following code:

```
1 numbers = [5, 6, 7, 8, 1]
2
3 max_number = max(numbers)
4 print(max_number)
```

Run VS CODE



The screenshot shows the VS Code interface with the Terminal panel open at the bottom. The terminal displays the Windows PowerShell prompt and the execution of the Python script:

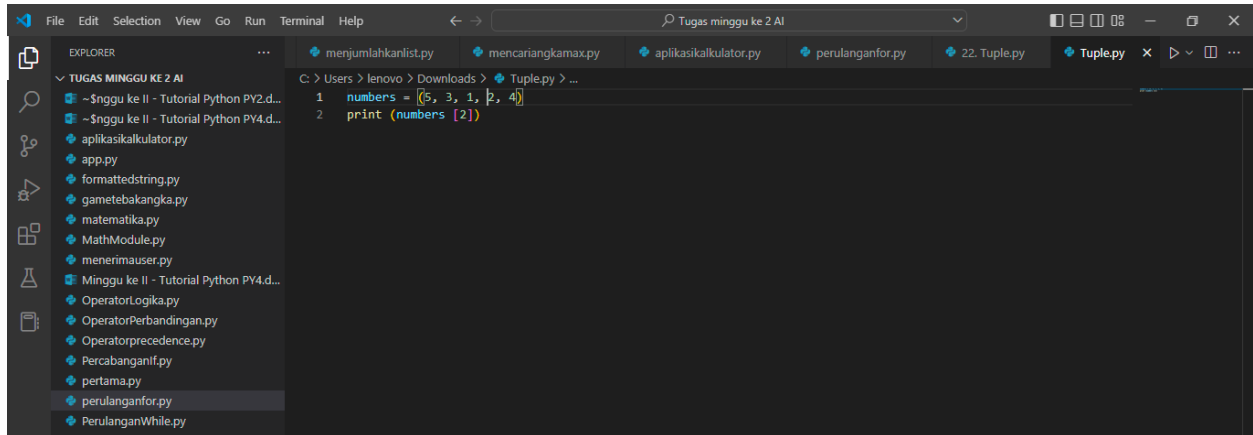
```
Windows PowerShell
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PS E:\Tugas minggu ke 2 AI> & C:/Users/lenovo/AppData/Local/Programs/Python/Python310/python.exe c:/Users/lenovo/Downloads/mencariangkamax.py
8
PS E:\Tugas minggu ke 2 AI>
```

- Tuple

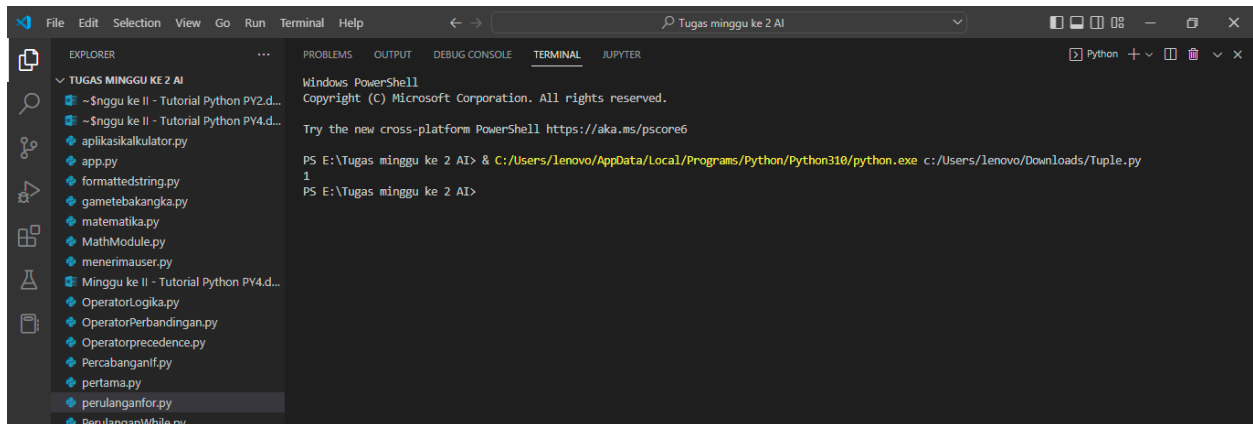
Contoh dalam VS CODE



The screenshot shows the VS Code interface with a file explorer on the left and a code editor on the right. The file explorer shows a project named 'TUGAS MINGGU KE 2 AI' with various Python files. The code editor shows the file 'Tuple.py' with the following code:

```
C:\Users\lenovo\Downloads> Tuple.py > ...
1 numbers = (5, 3, 1, 2, 4)
2 print (numbers [2])
```

Run VS CODE



The screenshot shows the VS Code interface with a terminal window open. The terminal displays the output of running a Python script. The command executed is:

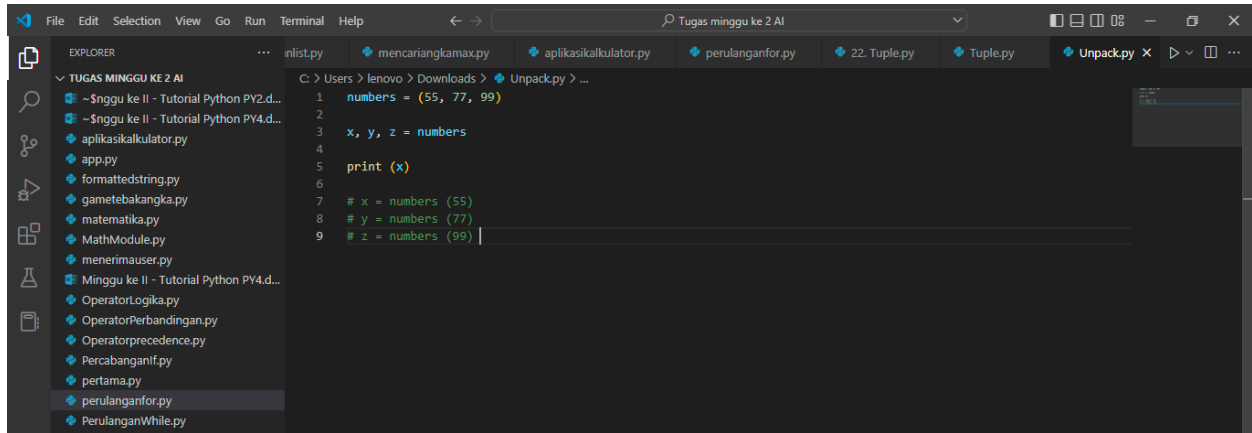
```
PS E:\Tugas minggu ke 2 AI> & C:/Users/lenovo/AppData/Local/Programs/Python/Python310/python.exe c:/Users/lenovo/Downloads/Tuple.py
```

The output shows the tuple elements being printed:

```
1
PS E:\Tugas minggu ke 2 AI>
```

- Unpack

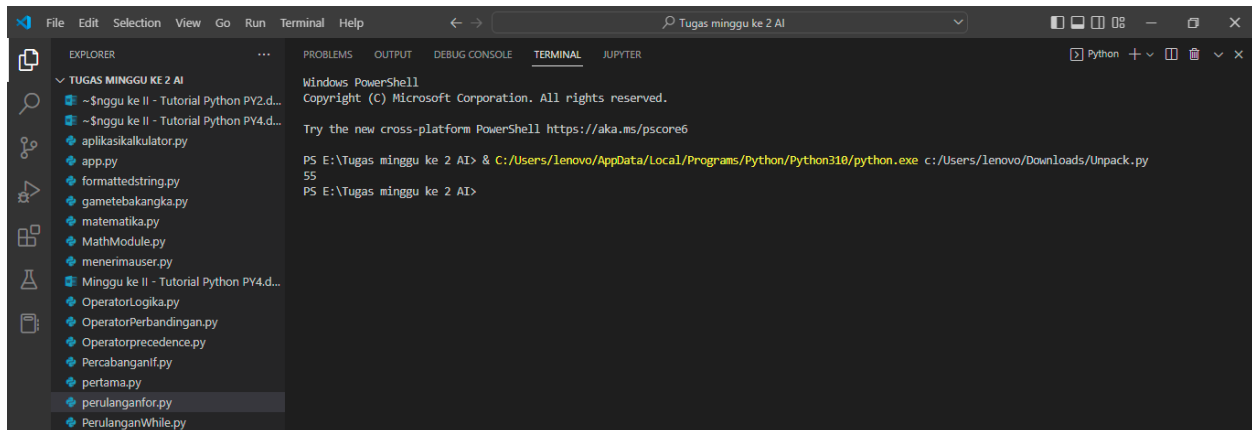
Contoh dalam VS CODE



The screenshot shows the VS Code interface with the Explorer sidebar on the left displaying a project named 'TUGAS MINGGU KE 2 AI'. The file 'Unpack.py' is selected. The main editor window shows the following Python code:

```
1 numbers = (55, 77, 99)
2
3 x, y, z = numbers
4
5 print(x)
6
7 # x = numbers (55)
8 # y = numbers (77)
9 # z = numbers (99)
```

Run VS CODE



The screenshot shows the VS Code interface with the Terminal panel open at the bottom. The terminal displays the output of running the 'Unpack.py' file using the command prompt:

```
Windows PowerShell
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PS E:\Tugas minggu ke 2 AI> & C:/Users/lenovo/AppData/Local/Programs/Python/Python310/python.exe c:/Users/lenovo/Downloads/Unpack.py
55
PS E:\Tugas minggu ke 2 AI>
```

- Dictionary

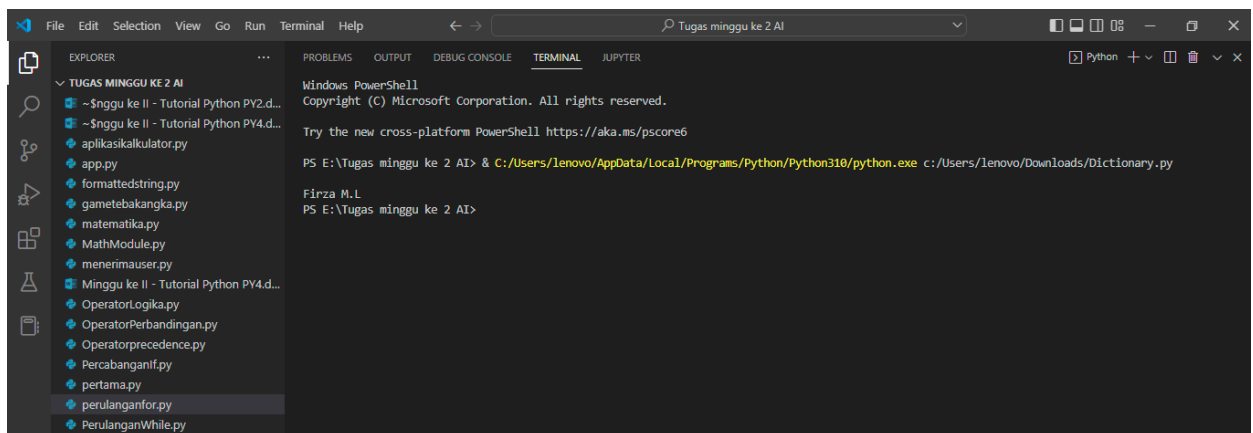
Contoh dalam VS CODE



The screenshot shows the VS Code interface with the Explorer panel on the left displaying a project named 'TUGAS MINGGU KE 2 AI'. The main editor window shows the file 'Dictionary.py' with the following Python code:

```
1 user = {  
2     "name" : "Firza Maulana",  
3     "age" : 19,  
4     "is_admin" : True  
5 }  
6  
7 user ["username"] = "Firza_Maulana"  
8 user ["name"] = "Firza M.L"  
9  
10 temp = user.get ("name")  
11  
12 print ("")  
13 print (temp)
```

Run VS CODE



The screenshot shows the VS Code interface with the Terminal panel at the bottom. The terminal is running a PowerShell session. The command executed is:

```
PS E:\Tugas minggu ke 2 AI> & C:/Users/lenovo/AppData/Local/Programs/Python/Python310/python.exe c:/Users/lenovo/Downloads/Dictionary.py
```

The output of the command is:

```
Firza M.L  
PS E:\Tugas minggu ke 2 AI>
```