

PYTHON #2 (ARTIFICIAL INTELLIGENCE)

ANGGA DWI WIBOWO

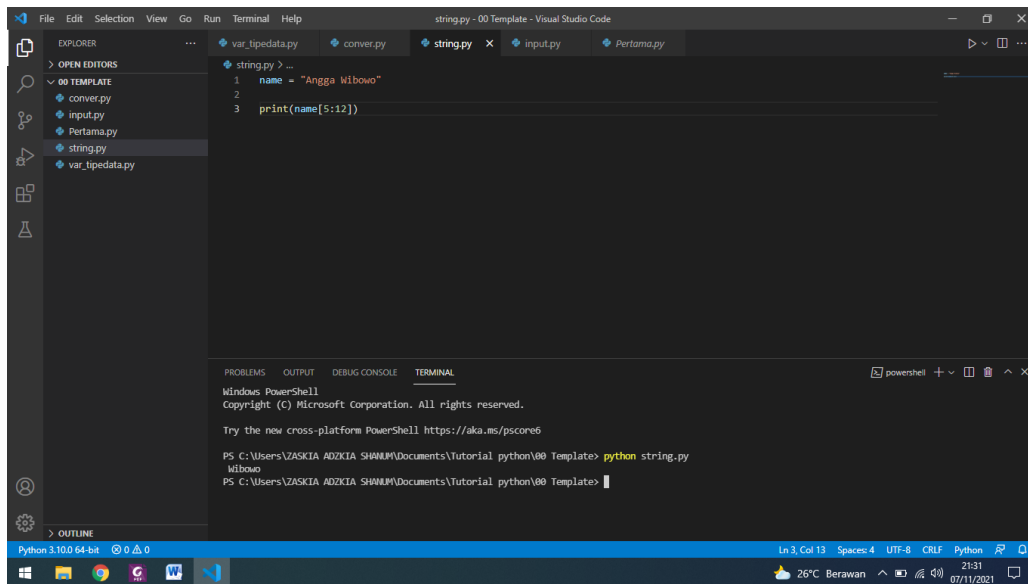
NIM. 211001123

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1. String



```
File Edit Selection View Go Run Terminal Help
string.py - 00 Template - Visual Studio Code

EXPLORER
> OPEN EDITORS
  00 TEMPLATE
  conver.py
  input.py
  Pertama.py
  string.py
  var_tipedata.py

string.py > ...
1 name = "Angga Wibowo"
2
3 print(name[5:12])

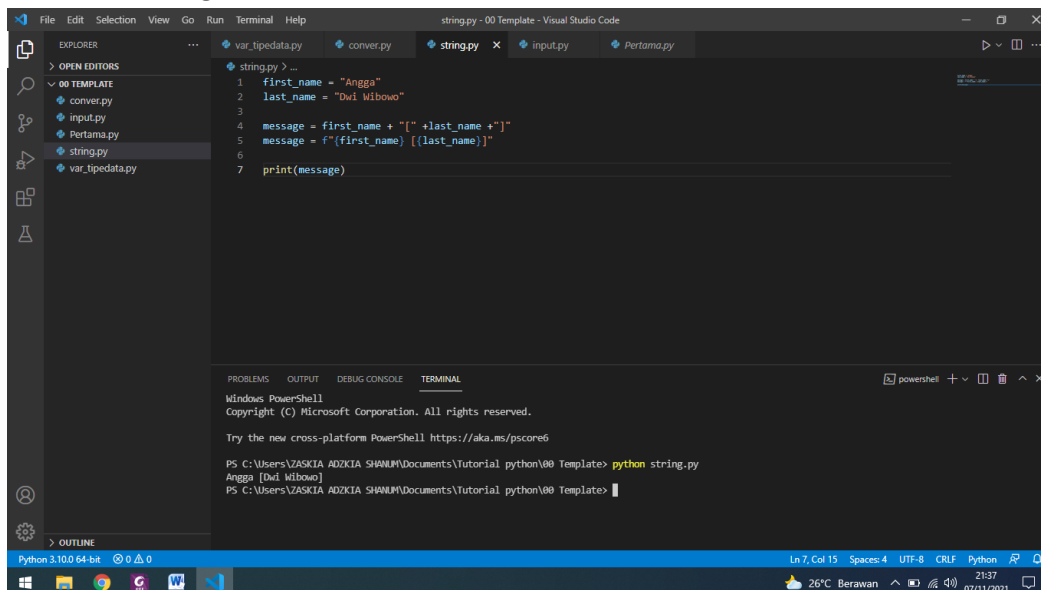
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL
Windows PowerShell
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Try the new cross-platform PowerShell https://aka.ms/pscore6

PS C:\Users\ZASKIA ADZKIA SHANUM\Documents\Tutorial python\00 Template> python string.py
Wibowo
PS C:\Users\ZASKIA ADZKIA SHANUM\Documents\Tutorial python\00 Template>

Python 3.10.0 64-bit 0 0 0 Ln 3, Col 13 Spaces 4 UTF-8 CRLF Python 21:31 07/11/2021
```

2. Formatted String



```
File Edit Selection View Go Run Terminal Help
string.py - 00 Template - Visual Studio Code

EXPLORER
> OPEN EDITORS
  00 TEMPLATE
  conver.py
  input.py
  Pertama.py
  string.py
  var_tipedata.py

string.py > ...
1 first_name = "Angga"
2 last_name = "Dwi Wibowo"
3
4 message = first_name + "[" + last_name + "]"
5 message = f"{first_name} [{last_name}]"
6
7 print(message)

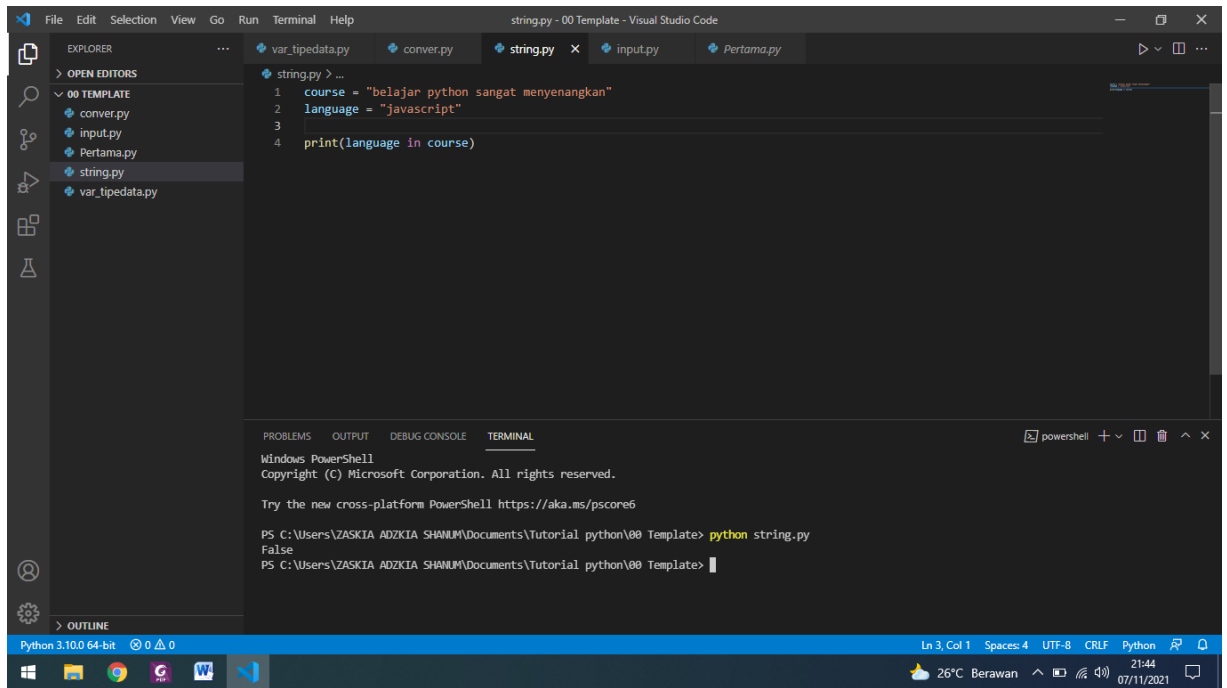
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL
Windows PowerShell
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Try the new cross-platform PowerShell https://aka.ms/pscore6

PS C:\Users\ZASKIA ADZKIA SHANUM\Documents\Tutorial python\00 Template> python string.py
Angga [Dwi Wibowo]
PS C:\Users\ZASKIA ADZKIA SHANUM\Documents\Tutorial python\00 Template>

Python 3.10.0 64-bit 0 0 0 Ln 7, Col 15 Spaces 4 UTF-8 CRLF Python 21:37 07/11/2021
```

3. String Method



The screenshot shows the Visual Studio Code interface with a file explorer on the left containing files: 00 TEMPLATE, conver.py, input.py, Pertama.py, string.py, and var_typedata.py. The main editor displays the content of string.py:

```
1 course = "belajar python sangat menyenangkan"
2 language = "javascript"
3
4 print(language in course)
```

The terminal at the bottom shows the execution of the script:

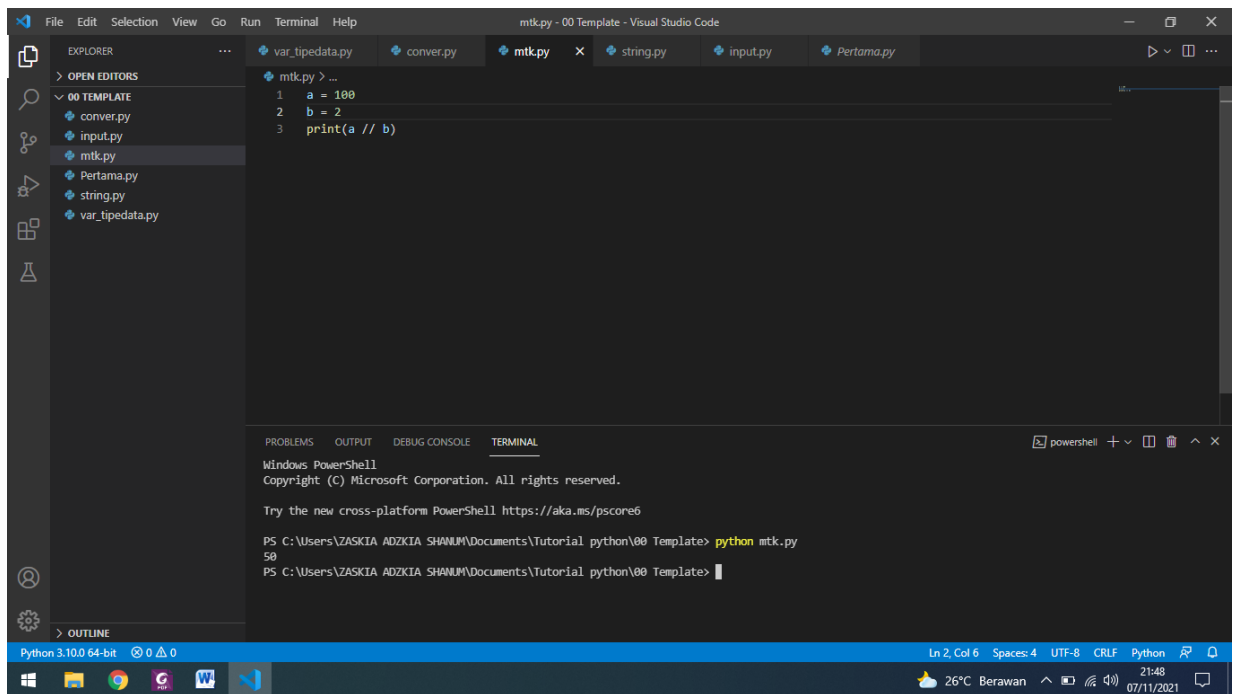
```
Windows PowerShell
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Try the new cross-platform PowerShell https://aka.ms/pscore6

PS C:\Users\ZASKIA ADZKIA SHANUM\Documents\Tutorial python\00 Template> python string.py
False
PS C:\Users\ZASKIA ADZKIA SHANUM\Documents\Tutorial python\00 Template>
```

The status bar at the bottom indicates Python 3.10.0 64-bit, Ln 3, Col 1, Spaces: 4, UTF-8, CRLF, Python, and the date 07/11/2021.

4. Matematika



The screenshot shows the Visual Studio Code interface with a file explorer on the left containing files: var_typedata.py, conver.py, mtk.py, string.py, input.py, and Pertama.py. The main editor displays the content of mtk.py:

```
1 a = 100
2 b = 2
3 print(a // b)
```

The terminal at the bottom shows the execution of the script:

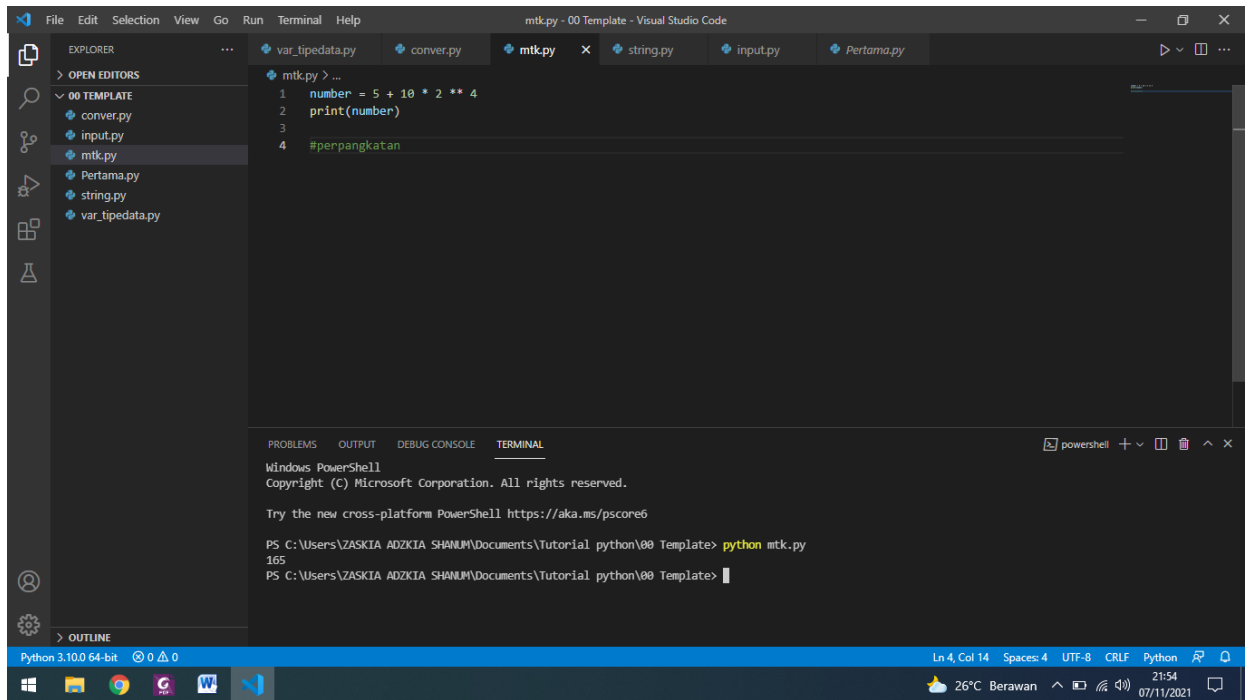
```
Windows PowerShell
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Try the new cross-platform PowerShell https://aka.ms/pscore6

PS C:\Users\ZASKIA ADZKIA SHANUM\Documents\Tutorial python\00 Template> python mtk.py
50
PS C:\Users\ZASKIA ADZKIA SHANUM\Documents\Tutorial python\00 Template>
```

The status bar at the bottom indicates Python 3.10.0 64-bit, Ln 2, Col 6, Spaces: 4, UTF-8, CRLF, Python, and the date 07/11/2021.

5. Operator Precedence

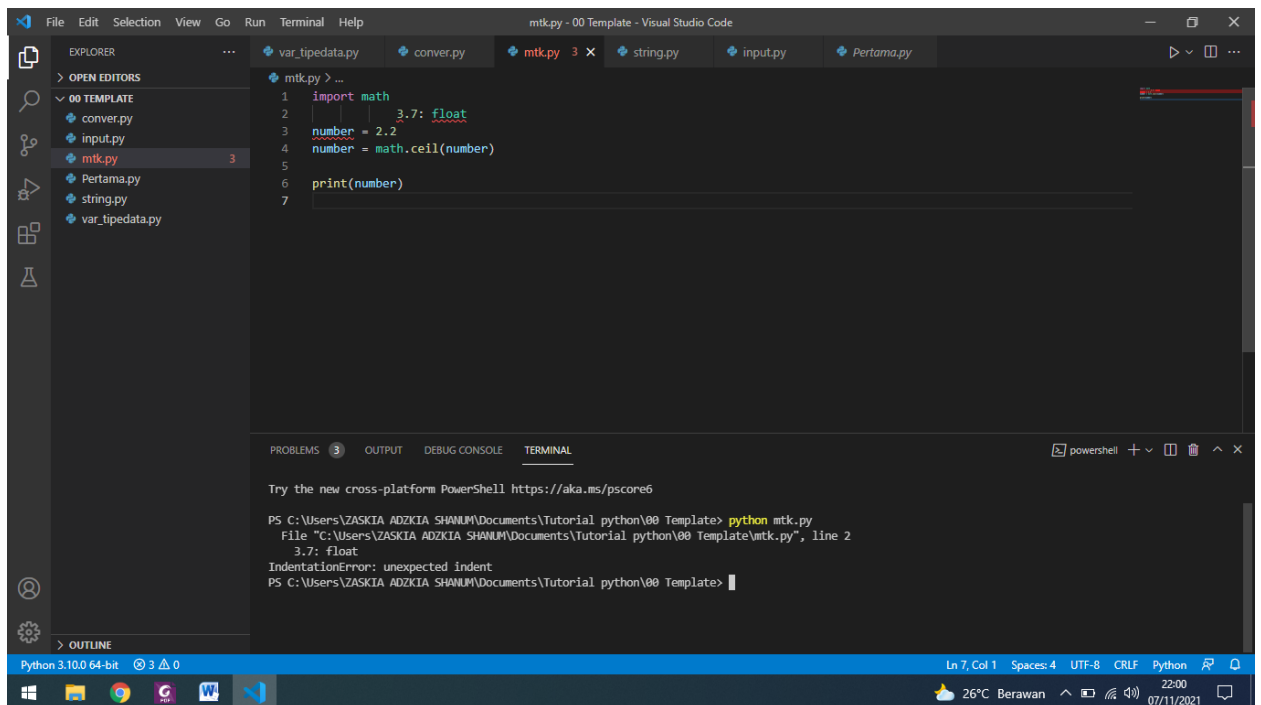


The screenshot shows the Visual Studio Code interface with a Python file named `mtk.py` open. The file contains the following code:

```
1 number = 5 + 10 * 2 ** 4
2 print(number)
3
4 #perpangkatan
```

The Explorer sidebar on the left shows the file structure with `mtk.py` selected. The Terminal panel at the bottom shows the command `python mtk.py` being executed, resulting in the output `165`.

6. Math Module



The screenshot shows the Visual Studio Code interface with a Python file named `mtk.py` open. The file contains the following code:

```
1 import math
2 | 3.7: float
3 number = 2.2
4 number = math.ceil(number)
5
6 print(number)
7
```

The Explorer sidebar on the left shows the file structure with `mtk.py` selected. The Terminal panel at the bottom shows the command `python mtk.py` being executed, resulting in an `IndentationError: unexpected indent` at line 2, column 1.