

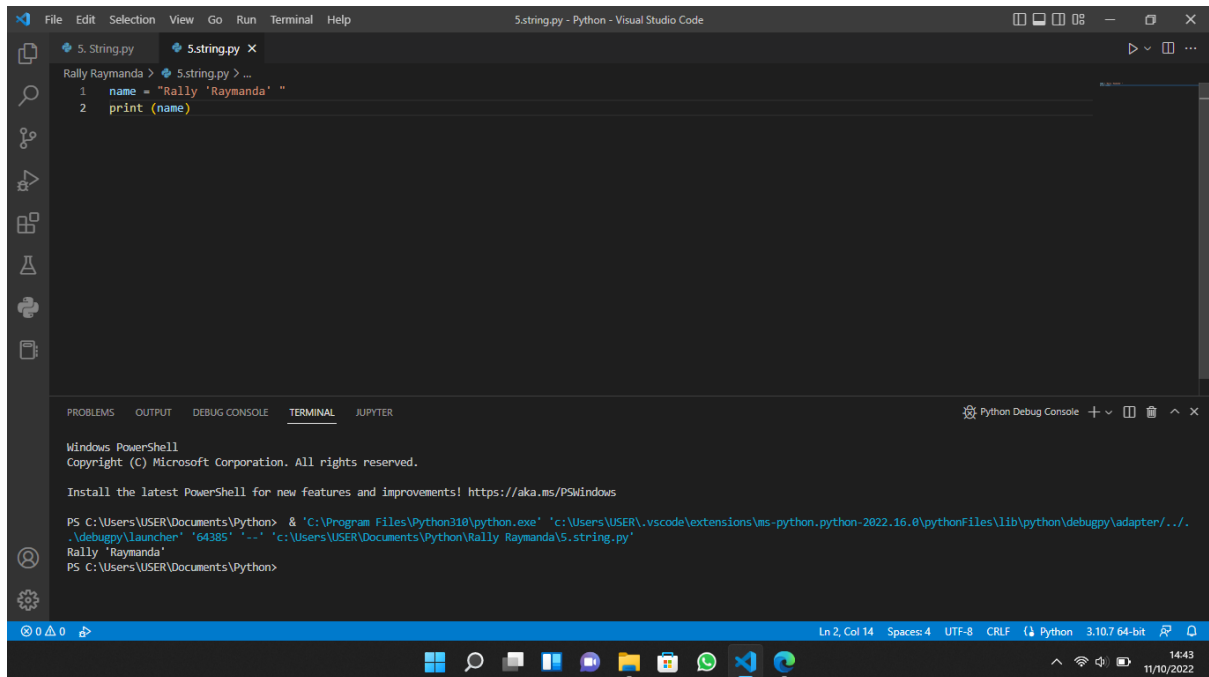
Nama : Rally Raymanda

Nim : 211001012

Kelas : D

## TUGAS KE-6 (PY 2)

### 1. String

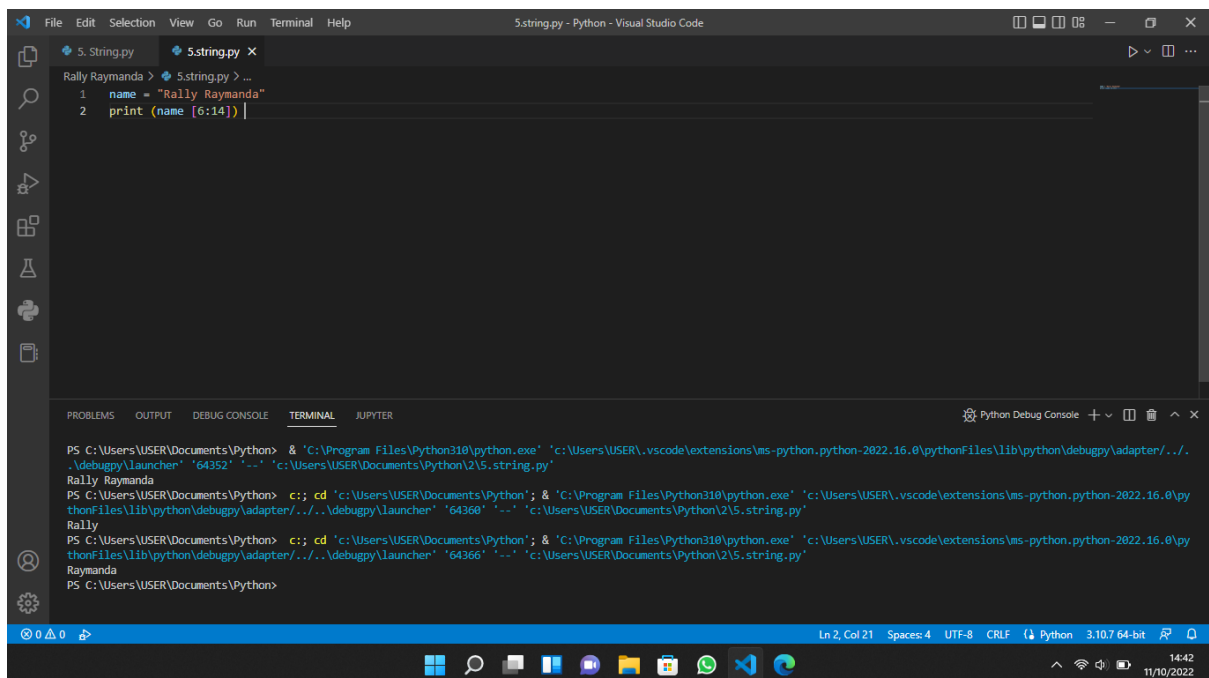


The screenshot shows the Visual Studio Code interface with a Python file named `5.string.py` open. The code in the editor is:

```
1 name = "Rally 'Raymanda' "  
2 print (name)
```

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

```
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\.vscode\extensions\ms-python.python-2022.16.0\pythonFiles\lib\python\debugpy\adapter\..\..  
.\debugpy\launcher' '64385' '-...' 'c:\Users\USER\Documents\Python\Rally Raymanda\5.string.py'  
Rally 'Raymanda'  
PS C:\Users\USER\Documents\Python>
```



The screenshot shows the Visual Studio Code interface with a Python file named `5.string.py` open. The code in the editor is:

```
1 name = "Rally Raymanda"  
2 print (name [6:14])
```

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

```
PS C:\Users\USER\Documents\Python> & 'C:\Program Files\Python310\python.exe' 'c:\Users\USER\.vscode\extensions\ms-python.python-2022.16.0\pythonFiles\lib\python\debugpy\adapter\..\..  
.\debugpy\launcher' '64352' '-...' 'c:\Users\USER\Documents\Python\2\5.string.py'  
Rally Raymanda  
PS C:\Users\USER\Documents\Python> c:; cd 'c:\Users\USER\Documents\Python'; & 'C:\Program Files\Python310\python.exe' 'c:\Users\USER\.vscode\extensions\ms-python.python-2022.16.0\py  
thonFiles\lib\python\debugpy\adapter\..\..\debugpy\launcher' '64360' '-...' 'c:\Users\USER\Documents\Python\2\5.string.py'  
Rally  
PS C:\Users\USER\Documents\Python> c:; cd 'c:\Users\USER\Documents\Python'; & 'C:\Program Files\Python310\python.exe' 'c:\Users\USER\.vscode\extensions\ms-python.python-2022.16.0\py  
thonFiles\lib\python\debugpy\adapter\..\..\debugpy\launcher' '64366' '-...' 'c:\Users\USER\Documents\Python\2\5.string.py'  
Rallymnda  
PS C:\Users\USER\Documents\Python>
```

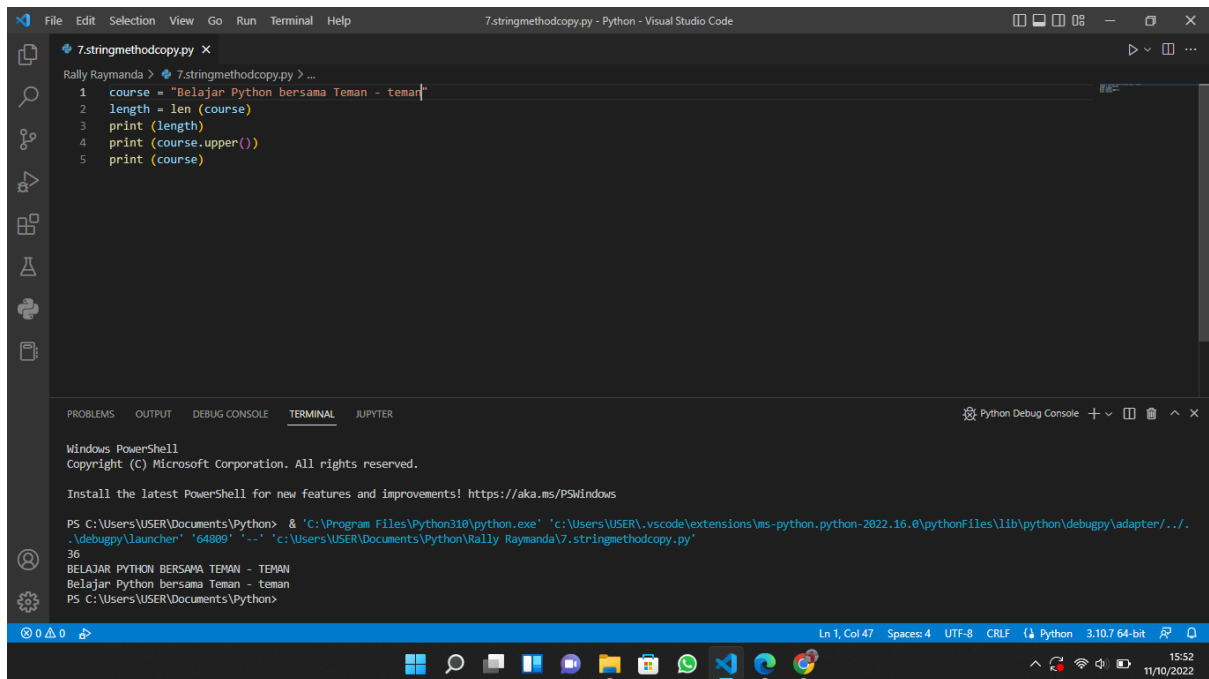
## 2. Formatted string

The screenshot shows the Visual Studio Code interface with a Python file named `6.formattedstrings.py` open. The code in the editor is as follows:

```
1 age = 19
2
3 message = f"umur kamu {age}"
4
5 print (message)
```

The terminal window at the bottom shows the PowerShell prompt and the execution of the script, which outputs `umur kamu 19`.

### 3. String method



The screenshot shows the Visual Studio Code interface with a file named `7.stringmethodcopy.py` open. The code in the editor is as follows:

```
1 course = "Belajar Python bersama Teman - teman"
2 length = len(course)
3 print(length)
4 print(course.upper())
5 print(course)
```

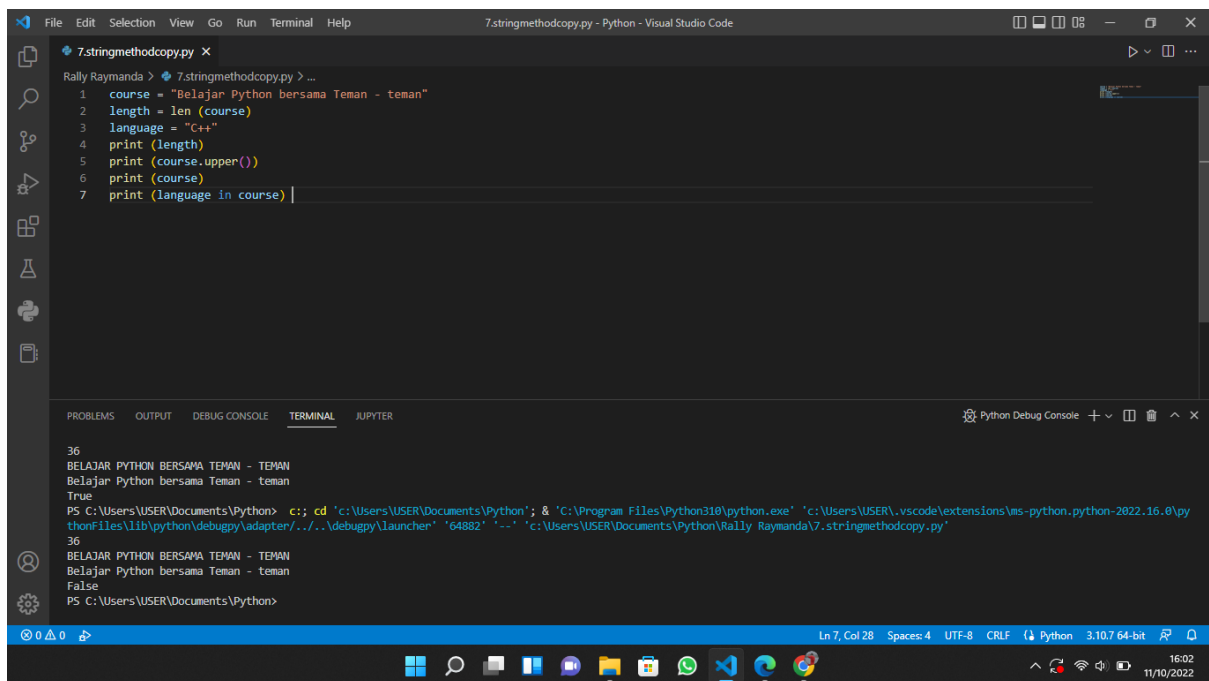
The terminal at the bottom shows the output of the script:

```
Windows PowerShell
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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\.vscode\extensions\ms-python.python-2022.16.0\pythonFiles\lib\python\debugpy\adapter\..\
..\.debugpy\launcher' '64809' '--' 'c:\Users\USER\Documents\Python\Rally Raymunda\7.stringmethodcopy.py'
36
BELAJAR PYTHON BERSAMA TEMAN - TEMAN
Belajar Python bersama Teman - teman
PS C:\Users\USER\Documents\Python>
```

The status bar at the bottom indicates the cursor is at line 1, column 47, with 4 spaces, UTF-8 encoding, and CRLF line endings. The Python version is 3.10.7 64-bit.



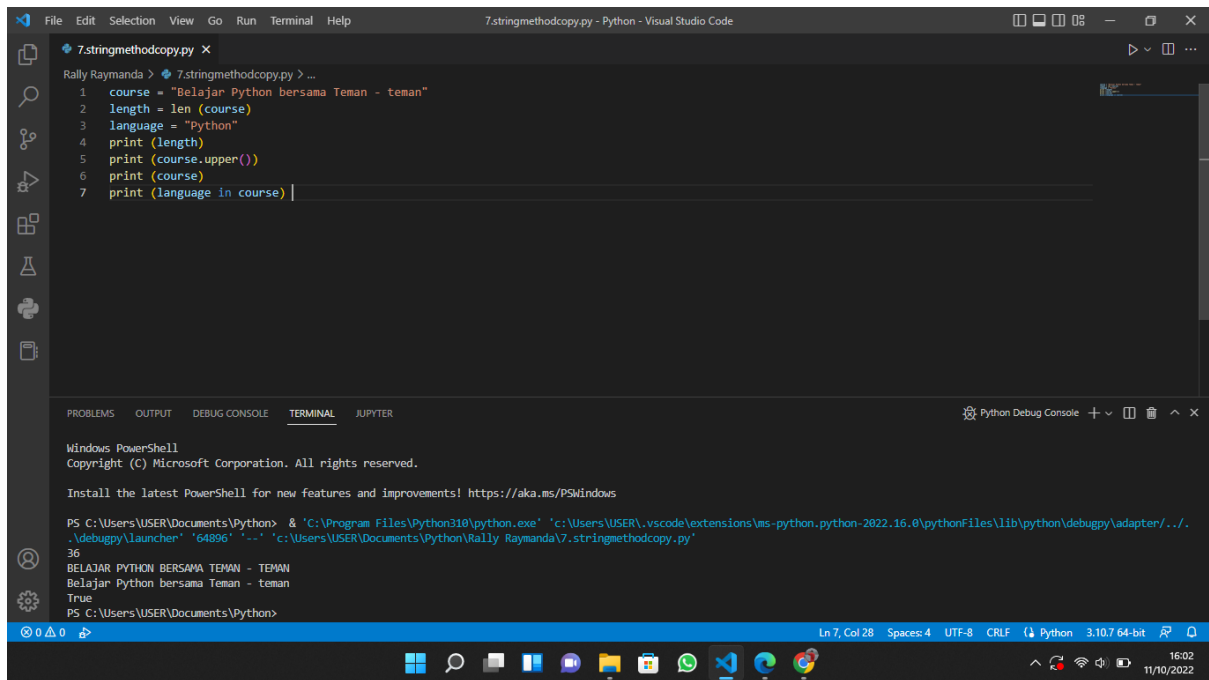
The screenshot shows the Visual Studio Code interface with the same file `7.stringmethodcopy.py` open. The code in the editor is:

```
1 course = "Belajar Python bersama Teman - teman"
2 length = len(course)
3 language = "C++"
4 print(length)
5 print(course.upper())
6 print(course)
7 print(language in course) |
```

The terminal shows the output of the script, including the result of the `language in course` check:

```
36
BELAJAR PYTHON BERSAMA TEMAN - TEMAN
Belajar Python bersama Teman - teman
True
PS C:\Users\USER\Documents\Python> c:: cd 'c:\Users\USER\Documents\Python'; & 'c:\Program Files\Python310\python.exe' 'c:\Users\USER\.vscode\extensions\ms-python.python-2022.16.0\py
thonFiles\lib\python\debugpy\adapter\..\..\.debugpy\launcher' '64882' '--' 'c:\Users\USER\Documents\Python\Rally Raymunda\7.stringmethodcopy.py'
36
BELAJAR PYTHON BERSAMA TEMAN - TEMAN
Belajar Python bersama Teman - teman
False
PS C:\Users\USER\Documents\Python>
```

The status bar at the bottom indicates the cursor is at line 7, column 28, with 4 spaces, UTF-8 encoding, and CRLF line endings. The Python version is 3.10.7 64-bit.



The screenshot shows the Visual Studio Code interface with a Python file named `7.stringmethodcopy.py` open. The code defines a variable `course` with the value `"Belajar Python bersama Teman - teman"`, calculates its length, and prints several attributes. The terminal window shows the execution output.

```
File Edit Selection View Go Run Terminal Help 7.stringmethodcopy.py - Python - Visual Studio Code
```

```
7.stringmethodcopy.py x
Rally Raymunda > 7.stringmethodcopy.py > ...
1 course = "Belajar Python bersama Teman - teman"
2 length = len(course)
3 language = "Python"
4 print(length)
5 print(course.upper())
6 print(course)
7 print(language in course) |
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL JUPYTER Python Debug Console

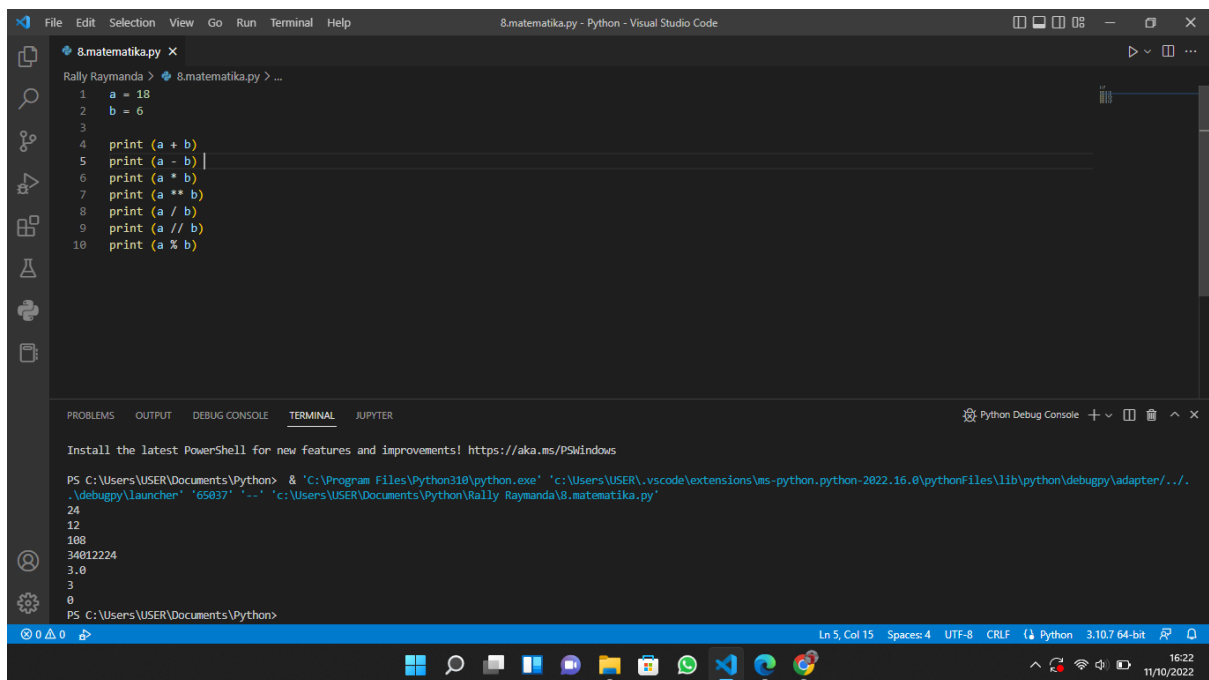
Windows PowerShell  
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```
PS C:\Users\USER\Documents\Python> & 'C:\Program Files\Python310\python.exe' 'c:\Users\USER\.vscode\extensions\ms-python.python-2022.16.0\pythonFiles\lib\python\debugpy\adapter\..\
.\debugpy\launcher' '64896' '---' 'c:\Users\USER\Documents\Python\Rally Raymunda\7.stringmethodcopy.py'
36
BELAJAR PYTHON BERSAMA TEMAN - TEMAN
Belajar Python bersama Teman - teman
True
PS C:\Users\USER\Documents\Python>
```

Ln 7, Col 28 Spaces: 4 UTF-8 CRLF Python 3.10.7 64-bit 16:02 11/10/2022

## 4. Matematika



The screenshot shows the Visual Studio Code interface with a Python file named `8.matematika.py` open. The code defines variables `a` and `b` and prints various mathematical operations. The terminal window shows the execution output.

```
File Edit Selection View Go Run Terminal Help 8.matematika.py - Python - Visual Studio Code
```

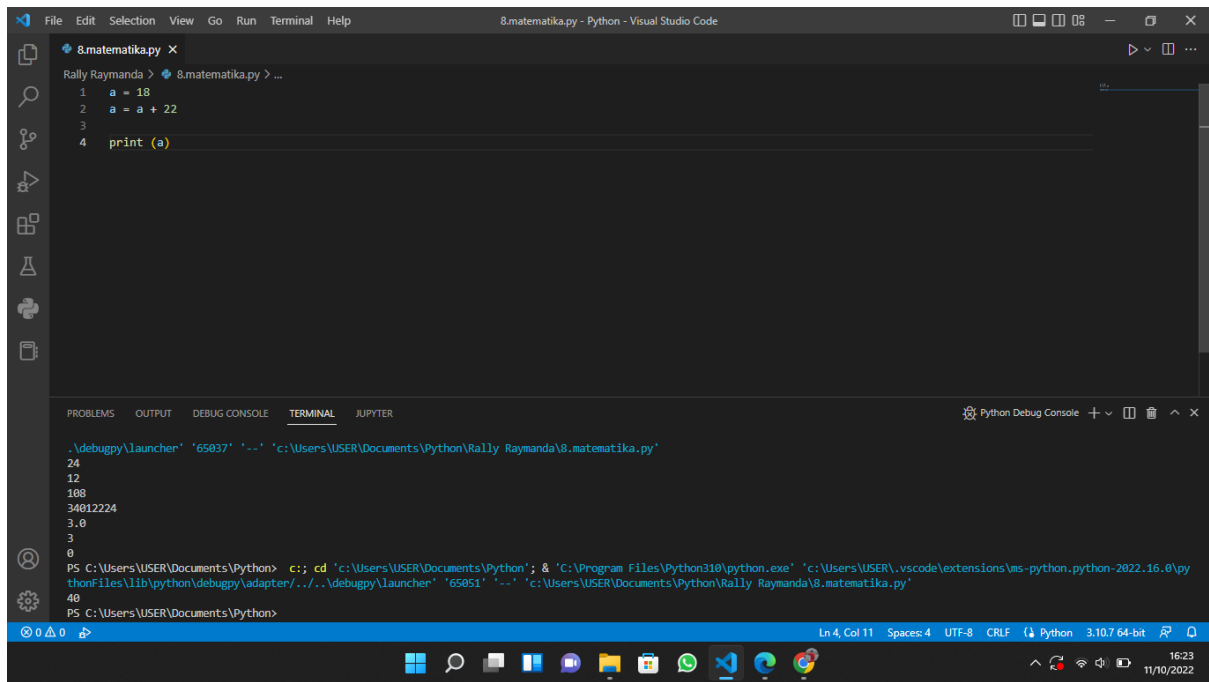
```
8.matematika.py x
Rally Raymunda > 8.matematika.py > ...
1 a = 18
2 b = 6
3
4 print(a + b)
5 print(a - b) |
6 print(a * b)
7 print(a ** b)
8 print(a / b)
9 print(a // b)
10 print(a % b)
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL JUPYTER Python Debug Console

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```
PS C:\Users\USER\Documents\Python> & 'C:\Program Files\Python310\python.exe' 'c:\Users\USER\.vscode\extensions\ms-python.python-2022.16.0\pythonFiles\lib\python\debugpy\adapter\..\
.\debugpy\launcher' '65937' '---' 'c:\Users\USER\Documents\Python\Rally Raymunda\8.matematika.py'
24
12
108
34812224
3.0
3
0
PS C:\Users\USER\Documents\Python>
```

Ln 5, Col 15 Spaces: 4 UTF-8 CRLF Python 3.10.7 64-bit 16:22 11/10/2022



The screenshot shows the Visual Studio Code interface with a file named `8.matematika.py` open. The code in the editor is as follows:

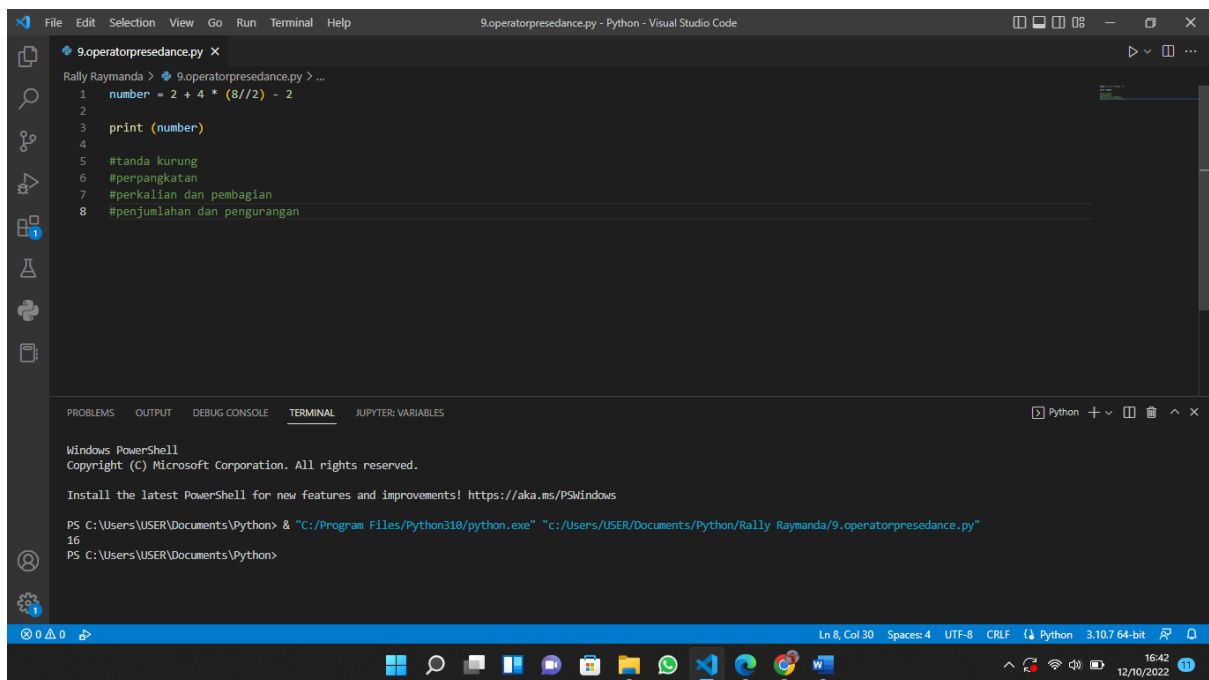
```
1 a = 18
2 a = a + 22
3
4 print(a)
```

The terminal at the bottom shows the execution of the script using the Python Debug Console. The output is:

```
.\debugpy\launcher '65037' '-' 'c:\Users\USER\Documents\Python\Rally_Raymunda\8.matematika.py'
24
12
108
34612224
3.0
3
0
PS C:\Users\USER\Documents\Python> c:: cd 'c:\Users\USER\Documents\Python'; & 'C:\Program Files\Python310\python.exe' 'c:\Users\USER\.vscode\extensions\ms-python.python-2022.16.0\pythonFiles\lib\python\debugpy\adapter\..\..\debugpy\launcher' '65051' '-' 'c:\Users\USER\Documents\Python\Rally_Raymunda\8.matematika.py'
40
PS C:\Users\USER\Documents\Python>
```

The status bar at the bottom indicates the current position is Line 4, Column 11, with 4 spaces, UTF-8 encoding, and CRLF line endings. The Python version is 3.10.7 64-bit.

## 5. Operator precedence



The screenshot shows the Visual Studio Code interface with a file named `9.operatorpresedance.py` open. The code in the editor is as follows:

```
1 number = 2 + 4 * (8//2) - 2
2
3 print(number)
4
5 #tanda kurung
6 #perpangkatan
7 #perkalian dan pembagian
8 #penjumlahan dan pengurangan
```

The terminal at the bottom shows the execution of the script using the Python Debug Console. The output is:

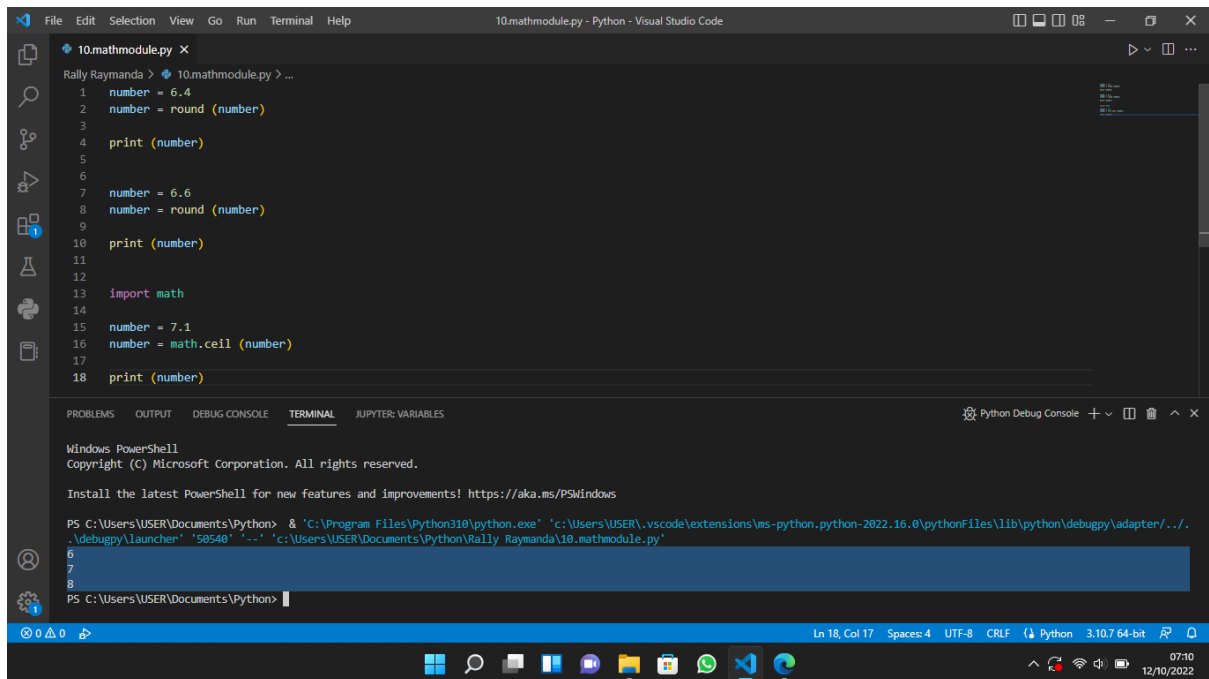
```
Windows PowerShell
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PS C:\Users\USER\Documents\Python> & "C:/Program Files/Python310/python.exe" "c:/Users/USER/Documents/Python/Rally_Raymunda/9.operatorpresedance.py"
16
PS C:\Users\USER\Documents\Python>
```

The status bar at the bottom indicates the current position is Line 8, Column 30, with 4 spaces, UTF-8 encoding, and CRLF line endings. The Python version is 3.10.7 64-bit.

## 6. Math module



The screenshot shows the Visual Studio Code interface. The editor window displays a Python file named `10.mathmodule.py` with the following code:

```
1 number = 6.4
2 number = round(number)
3
4 print(number)
5
6
7 number = 6.6
8 number = round(number)
9
10 print(number)
11
12
13 import math
14
15 number = 7.1
16 number = math.ceil(number)
17
18 print(number)
```

The terminal window at the bottom shows the Windows PowerShell prompt and the command to run the script:

```
PS C:\Users\USER\Documents\Python> & 'C:\Program Files\Python310\python.exe' 'c:\Users\USER\.vscode\extensions\ms-python.python-2022.16.0\pythonFiles\lib\python\debugpy\adapter\../.
.\debugpy\launcher' '50540' '--' 'c:\Users\USER\Documents\Python\Rally Raymunda\10.mathmodule.py'
PS C:\Users\USER\Documents\Python>
```

The status bar at the bottom indicates the current line and column (Ln 18, Col 17), the encoding (UTF-8), the line ending (CRLF), the interpreter (Python 3.10.7 64-bit), and the time (07:10 12/10/2022).