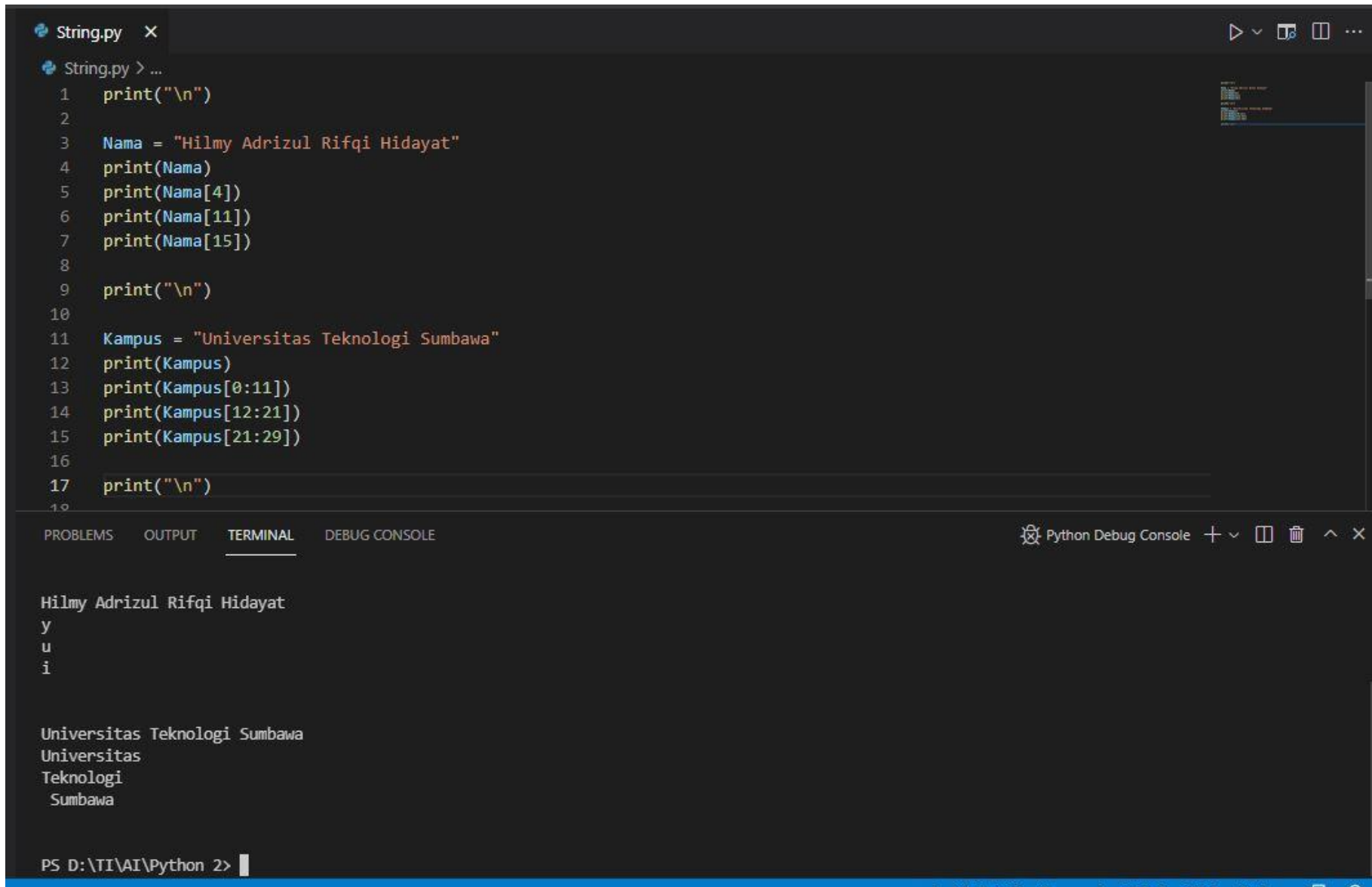


## String



```
String.py x
String.py > ...
1  print("\n")
2
3  Nama = "Hilmy Adrizul Rifqi Hidayat"
4  print(Nama)
5  print(Nama[4])
6  print(Nama[11])
7  print(Nama[15])
8
9  print("\n")
10
11 Kampus = "Universitas Teknologi Sumbawa"
12 print(Kampus)
13 print(Kampus[0:11])
14 print(Kampus[12:21])
15 print(Kampus[21:29])
16
17 print("\n")
18
```

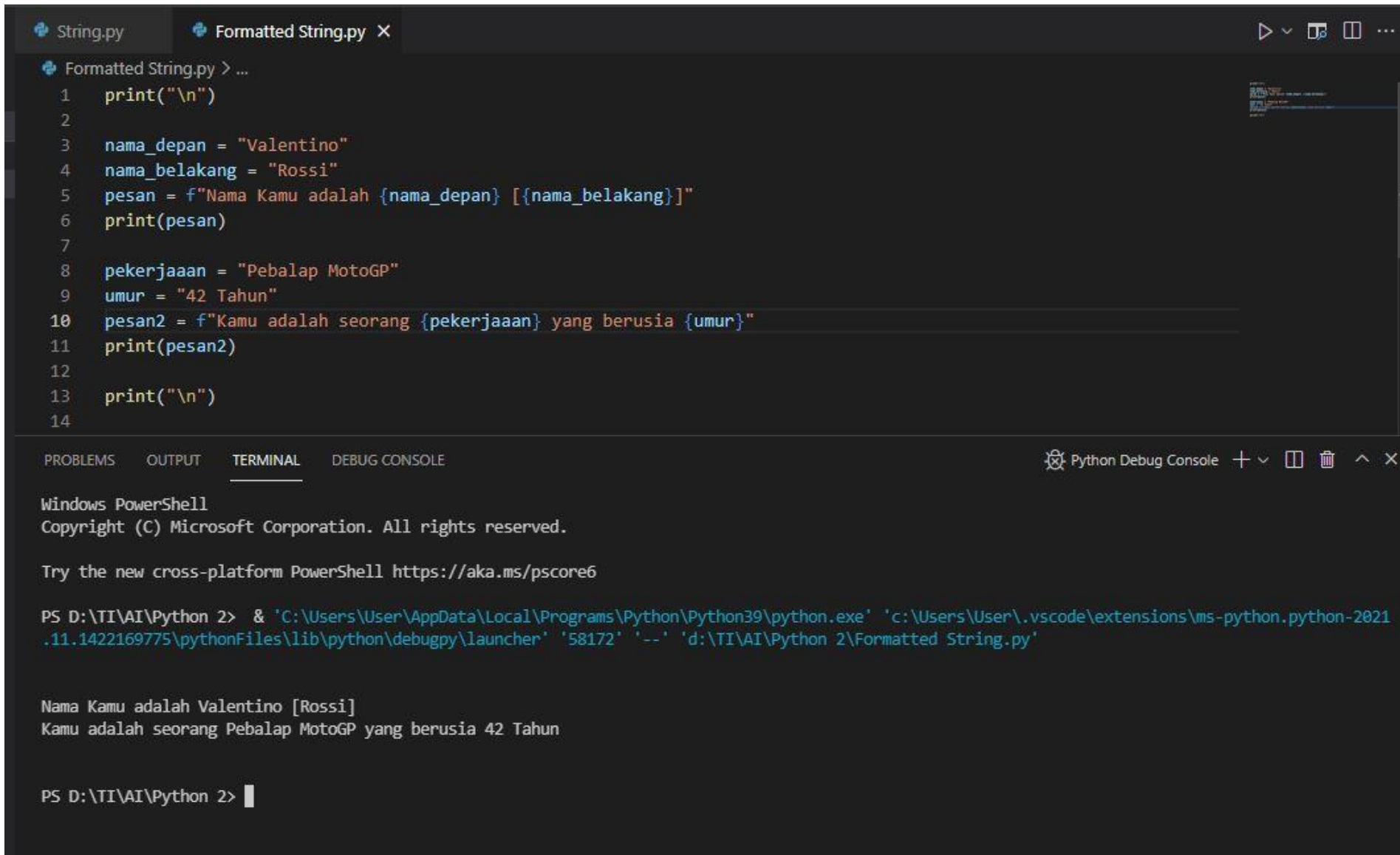
PROBLEMS OUTPUT **TERMINAL** DEBUG CONSOLE Python Debug Console + - [ ] [X] ^ X

```
Hilmy Adrizul Rifqi Hidayat
y
u
i

Universitas Teknologi Sumbawa
Universitas
Teknologi
Sumbawa

PS D:\TI\AI\Python 2>
```

## Formatted String



The image shows a Visual Studio Code editor window with two tabs: 'String.py' and 'Formatted String.py'. The 'Formatted String.py' tab is active, displaying a Python script. The script defines variables for a person's name, last name, job, and age, and uses f-strings to format a message. The output of the script is shown in the terminal window at the bottom.

```
Formatted String.py > ...
1  print("\n")
2
3  nama_depan = "Valentino"
4  nama_belakang = "Rossi"
5  pesan = f>Nama Kamu adalah {nama_depan} [{nama_belakang}]"
6  print(pesan)
7
8  pekerjaan = "Pebalap MotoGP"
9  umur = "42 Tahun"
10 pesan2 = f"> Kamu adalah seorang {pekerjaan} yang berusia {umur}"
11 print(pesan2)
12
13 print("\n")
14
```

PROBLEMS OUTPUT **TERMINAL** DEBUG CONSOLE Python Debug Console + - [ ] [X] ^ X

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

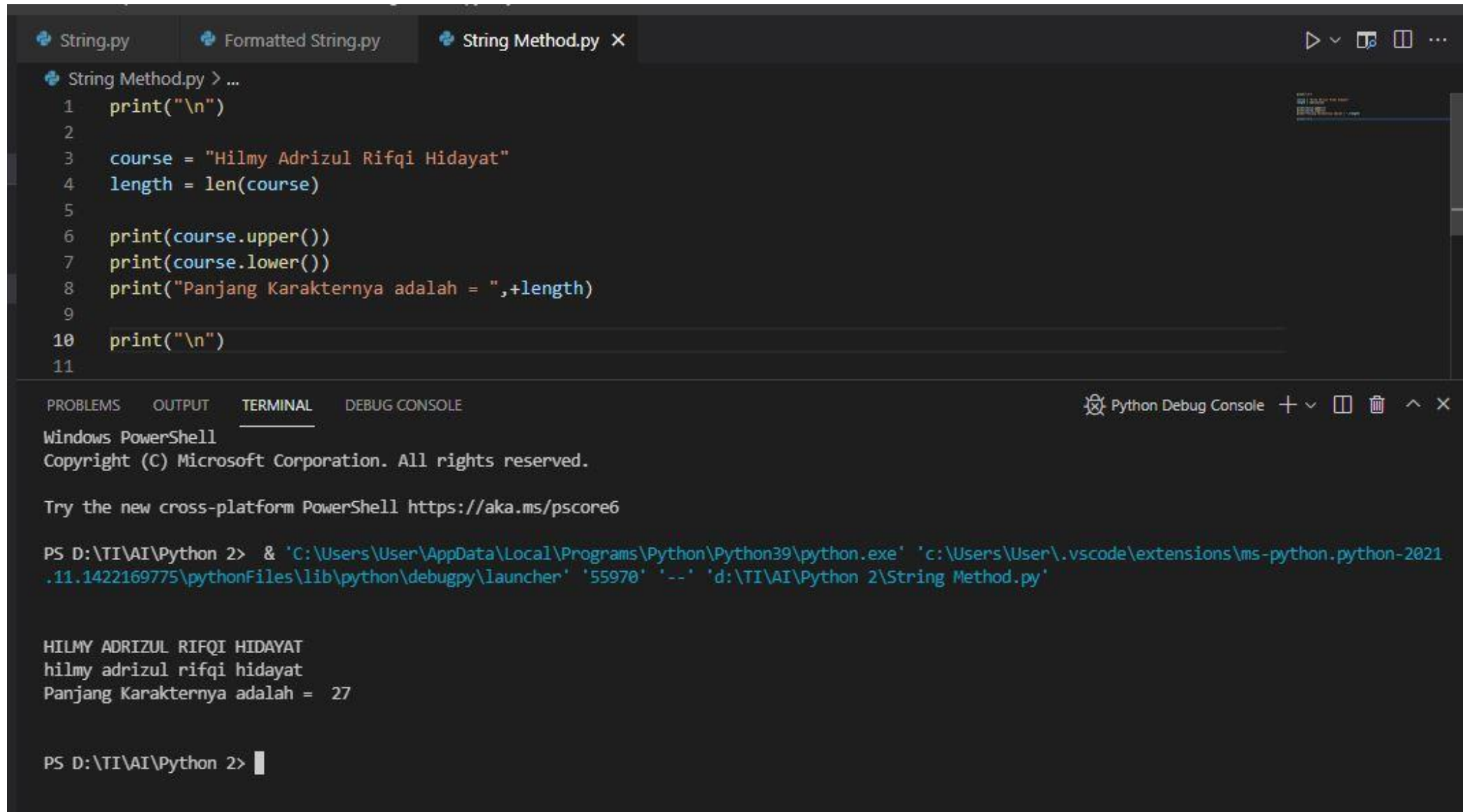
Try the new cross-platform PowerShell <https://aka.ms/pscore6>

PS D:\TI\AI\Python 2> & 'C:\Users\User\AppData\Local\Programs\Python\Python39\python.exe' 'c:\Users\User\.vscode\extensions\ms-python.python-2021.11.1422169775\pythonFiles\lib\python\debugpy\launcher' '58172' '--' 'd:\TI\AI\Python 2\Formatted String.py'

Nama Kamu adalah Valentino [Rossi]  
Kamu adalah seorang Pebalap MotoGP yang berusia 42 Tahun

PS D:\TI\AI\Python 2> |

## String Method



The image shows a Visual Studio Code editor window with three tabs: 'String.py', 'Formatted String.py', and 'String Method.py'. The 'String Method.py' tab is active, displaying a Python script. Below the editor, the 'TERMINAL' panel is open, showing the output of running the script. The script defines a string 'course' and prints its uppercase, lowercase, and length. The terminal output shows the string in uppercase, lowercase, and its length as 27.

```
String Method.py > ...
1  print("\n")
2
3  course = "Hilmy Adrizul Rifqi Hidayat"
4  length = len(course)
5
6  print(course.upper())
7  print(course.lower())
8  print("Panjang Karakternya adalah = ",+length)
9
10 print("\n")
11
```

PROBLEMS OUTPUT **TERMINAL** DEBUG CONSOLE Python Debug Console

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

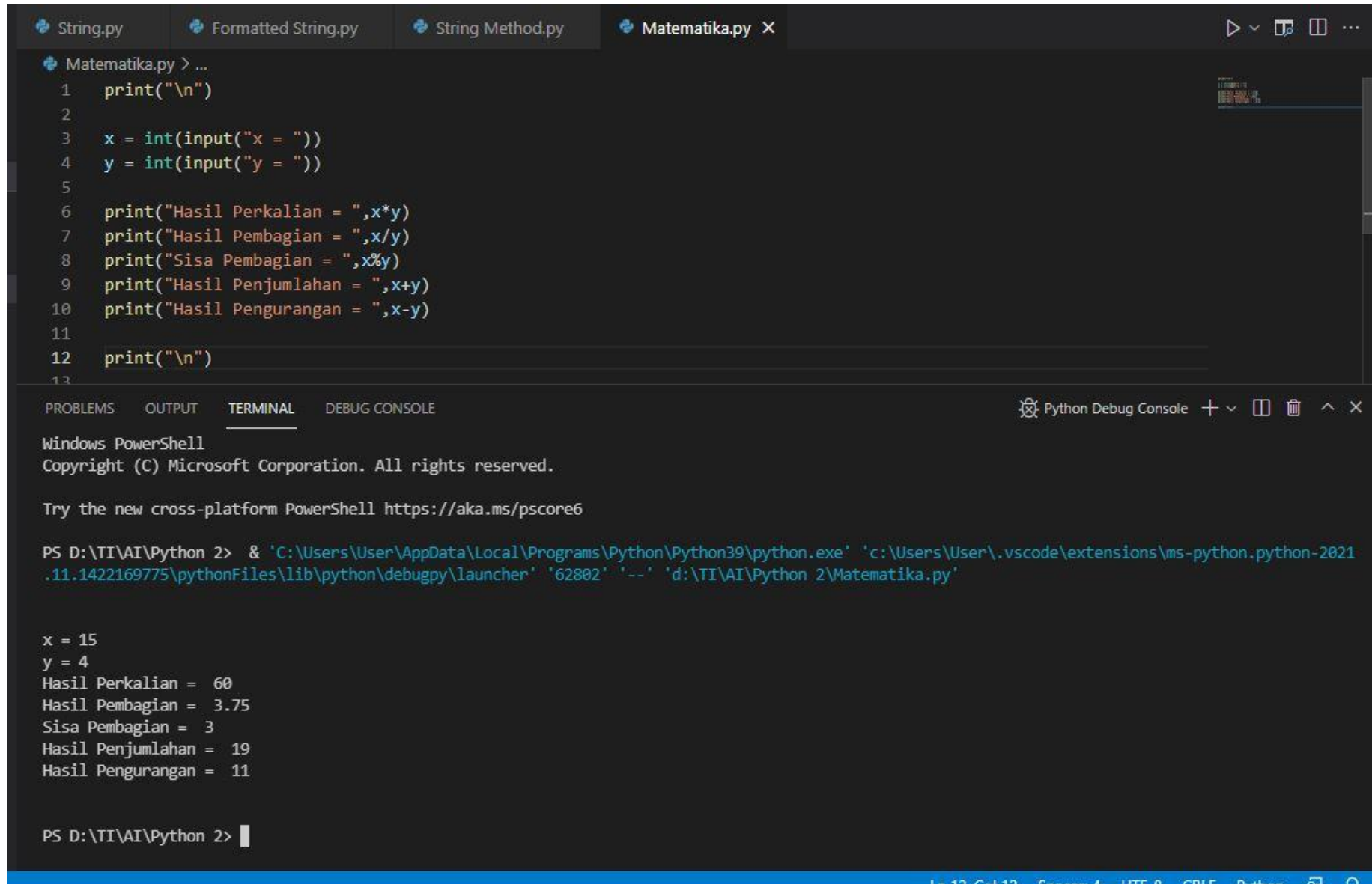
Try the new cross-platform PowerShell <https://aka.ms/pscore6>

PS D:\TI\AI\Python 2> & 'C:\Users\User\AppData\Local\Programs\Python\Python39\python.exe' 'c:\Users\User\.vscode\extensions\ms-python.python-2021.11.1422169775\pythonFiles\lib\python\debugpy\launcher' '55970' '--' 'd:\TI\AI\Python 2\String Method.py'

HILMY ADRIZUL RIFQI HIDAYAT  
hilmy adrizul rifqi hidayat  
Panjang Karakternya adalah = 27

PS D:\TI\AI\Python 2>

## Matematika



The image shows a Visual Studio Code editor window with a dark theme. The top panel displays four open files: 'String.py', 'Formatted String.py', 'String Method.py', and 'Matematika.py'. The 'Matematika.py' file is active, showing a Python script that takes two integers as input and performs various mathematical operations. The bottom panel shows the 'TERMINAL' tab, which contains the output of the script's execution. The script's output is as follows:

```
Matematika.py > ...
1  print("\n")
2
3  x = int(input("x = "))
4  y = int(input("y = "))
5
6  print("Hasil Perkalian = ",x*y)
7  print("Hasil Pembagian = ",x/y)
8  print("Sisa Pembagian = ",x%y)
9  print("Hasil Penjumlahan = ",x+y)
10 print("Hasil Pengurangan = ",x-y)
11
12 print("\n")
13
```

The terminal output shows the results of the script's execution with the inputs x=15 and y=4:

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

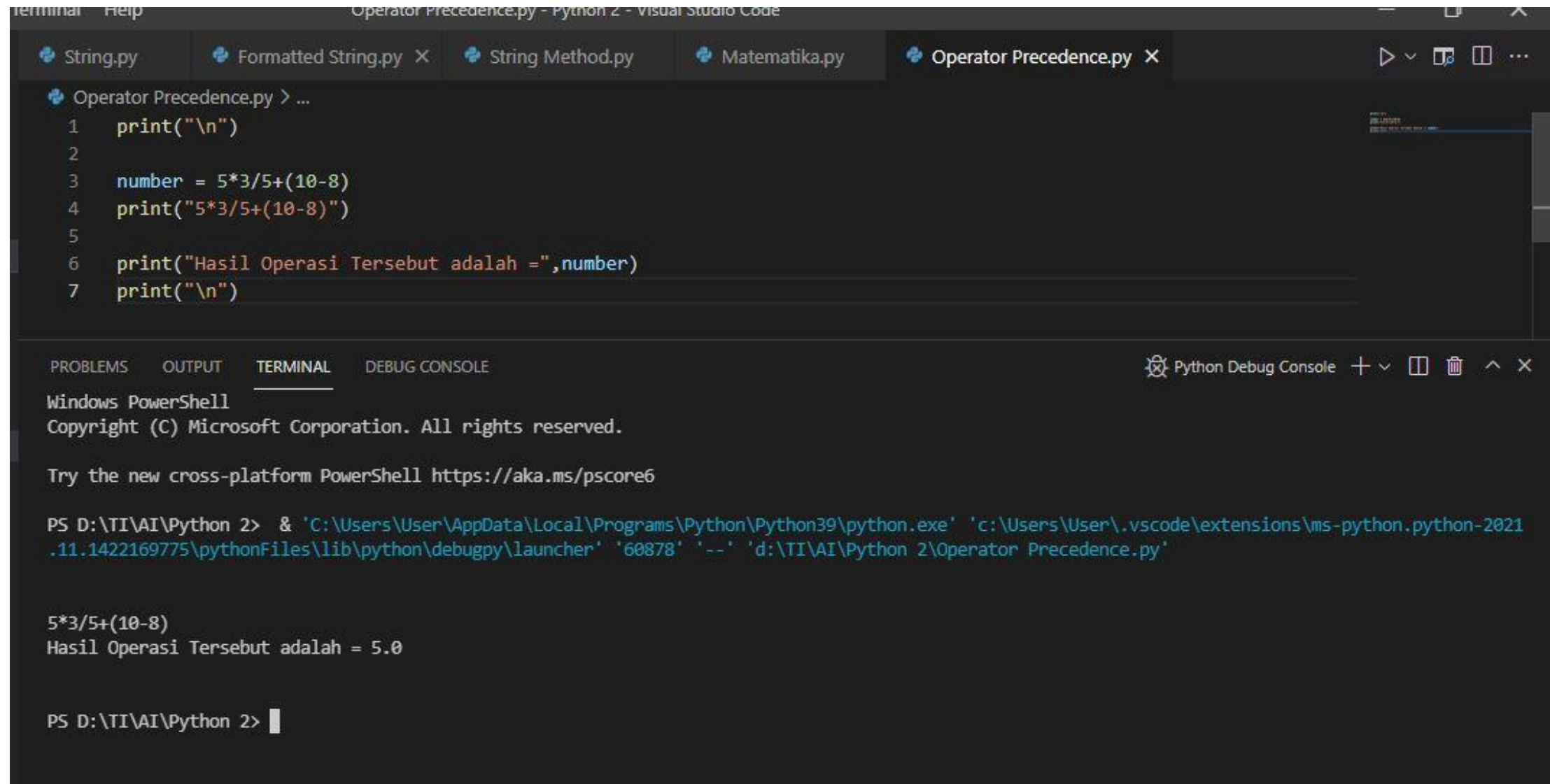
PS D:\TI\AI\Python 2> & 'C:\Users\User\AppData\Local\Programs\Python\Python39\python.exe' 'c:\Users\User\.vscode\extensions\ms-python.python-2021.11.1422169775\pythonFiles\lib\python\debugpy\launcher' '62802' '--' 'd:\TI\AI\Python 2\Matematika.py'

x = 15
y = 4
Hasil Perkalian = 60
Hasil Pembagian = 3.75
Sisa Pembagian = 3
Hasil Penjumlahan = 19
Hasil Pengurangan = 11

PS D:\TI\AI\Python 2> |
```

The status bar at the bottom of the editor indicates the current line and column: 'Ln 12, Col 12'. It also shows the file encoding as 'UTF-8' and the file type as 'Python'.

## Operator Precedence



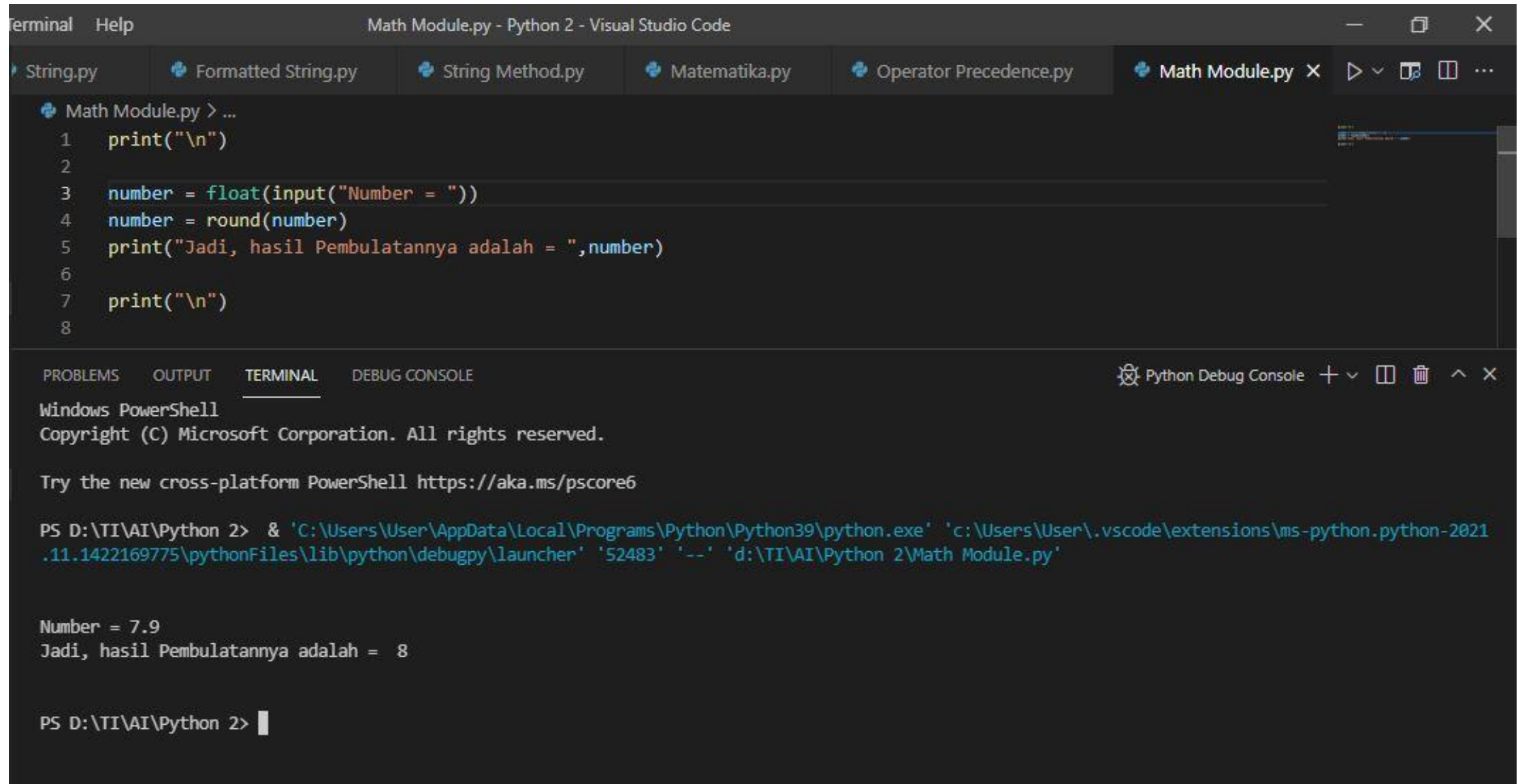
The image shows a Visual Studio Code window with the file 'Operator Precedence.py' open. The editor has a dark theme. The file explorer on the left shows several other files: 'String.py', 'Formatted String.py', 'String Method.py', 'Matematika.py', and 'Operator Precedence.py'. The code in the editor is as follows:

```
1 print("\n")
2
3 number = 5*3/5+(10-8)
4 print("5*3/5+(10-8)")
5
6 print("Hasil Operasi Tersebut adalah =",number)
7 print("\n")
```

Below the editor is a terminal window titled 'Windows PowerShell'. It shows the command to run the Python script and the output. The command is: `PS D:\TI\AI\Python 2> & 'C:\Users\User\AppData\Local\Programs\Python\Python39\python.exe' 'c:\Users\User\.vscode\extensions\ms-python.python-2021.11.1422169775\pythonFiles\lib\python\debugpy\launcher' '60878' '--' 'd:\TI\AI\Python 2\Operator Precedence.py'`. The output is: `5*3/5+(10-8)` followed by `Hasil Operasi Tersebut adalah = 5.0`. The terminal prompt is `PS D:\TI\AI\Python 2>`.



## Math Module



The image shows a Visual Studio Code window with a Python file named 'Math Module.py' open. The file contains a script that prompts the user for a number, rounds it, and prints the result. The terminal at the bottom shows the command to run the script, the input '7.9', and the output '8'.

```
Math Module.py > ...
1  print("\n")
2
3  number = float(input("Number = "))
4  number = round(number)
5  print("Jadi, hasil Pembulatannya adalah = ",number)
6
7  print("\n")
8
```

PROBLEMS OUTPUT **TERMINAL** DEBUG CONSOLE Python Debug Console

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

PS D:\TI\AI\Python 2> & 'C:\Users\User\AppData\Local\Programs\Python\Python39\python.exe' 'c:\Users\User\.vscode\extensions\ms-python.python-2021.11.1422169775\pythonFiles\lib\python\debugpy\launcher' '52483' '--' 'd:\TI\AI\Python 2\Math Module.py'

Number = 7.9  
Jadi, hasil Pembulatannya adalah = 8

PS D:\TI\AI\Python 2>