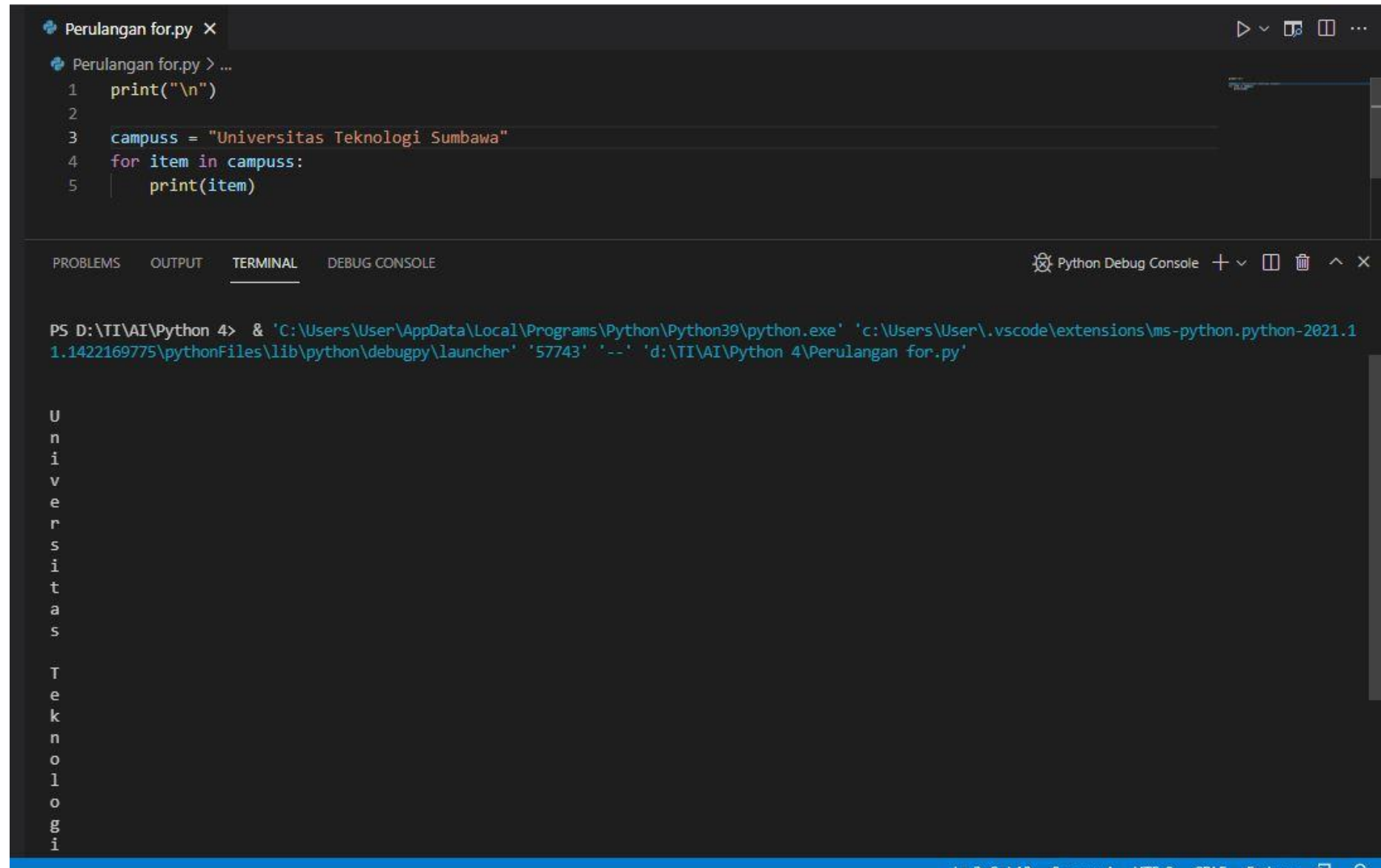


## Perulangan For



The image shows a Visual Studio Code editor window with a Python file named 'Perulangan for.py'. The code in the file is as follows:

```
1 print("\n")
2
3 campuss = "Universitas Teknologi Sumbawa"
4 for item in campuss:
5     print(item)
```

Below the editor, the 'TERMINAL' panel is active, showing the command used to run the script and its output. The command is:

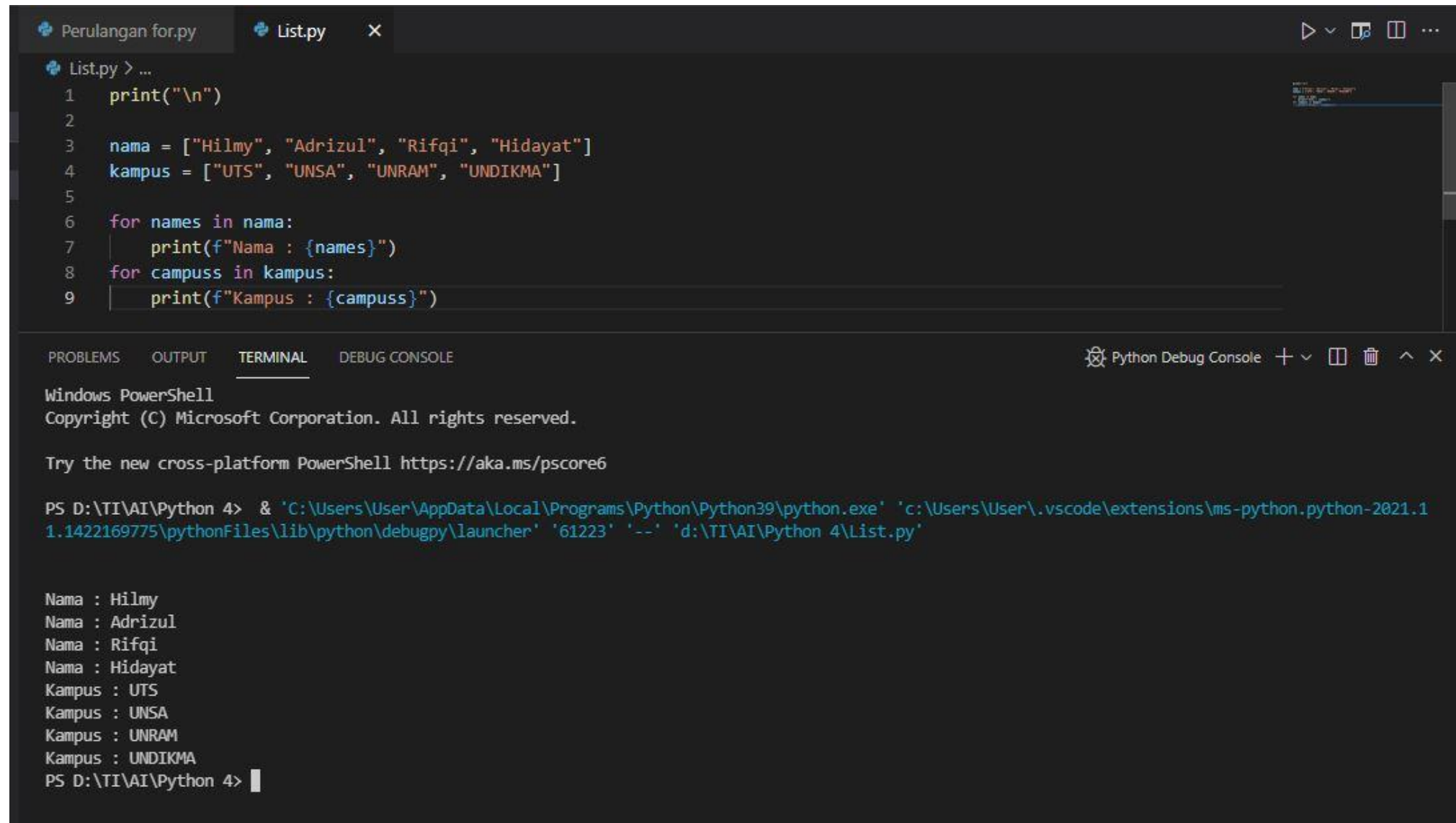
```
PS D:\TI\AI\Python 4> & 'C:\Users\User\AppData\Local\Programs\Python\Python39\python.exe' 'c:\Users\User\.vscode\extensions\ms-python.python-2021.11.1422169775\pythonFiles\lib\python\debugpy\launcher' '57743' '--' 'd:\TI\AI\Python 4\Perulangan for.py'
```

The output of the script, displayed line by line, is:

```
U
n
i
v
e
r
s
i
t
a
s

T
e
k
n
o
l
o
g
i
```

## List



The image shows a Visual Studio Code editor window with two tabs: 'Perulangan for.py' and 'List.py'. The 'List.py' tab is active, displaying a Python script. The script defines two lists, 'nama' and 'kampus', and uses nested loops to print each element. Below the editor, the 'TERMINAL' panel is open, showing the command used to run the script and its output. The output lists the names and campuses as specified in the code.

```
1 print("\n")
2
3 nama = ["Hilmy", "Adrizul", "Rifqi", "Hidayat"]
4 kampus = ["UTS", "UNSA", "UNRAM", "UNDIKMA"]
5
6 for names in nama:
7     print(f>Nama : {names}")
8 for campuss in kampus:
9     print(f>Kampus : {campuss}")
```

PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE Python Debug Console

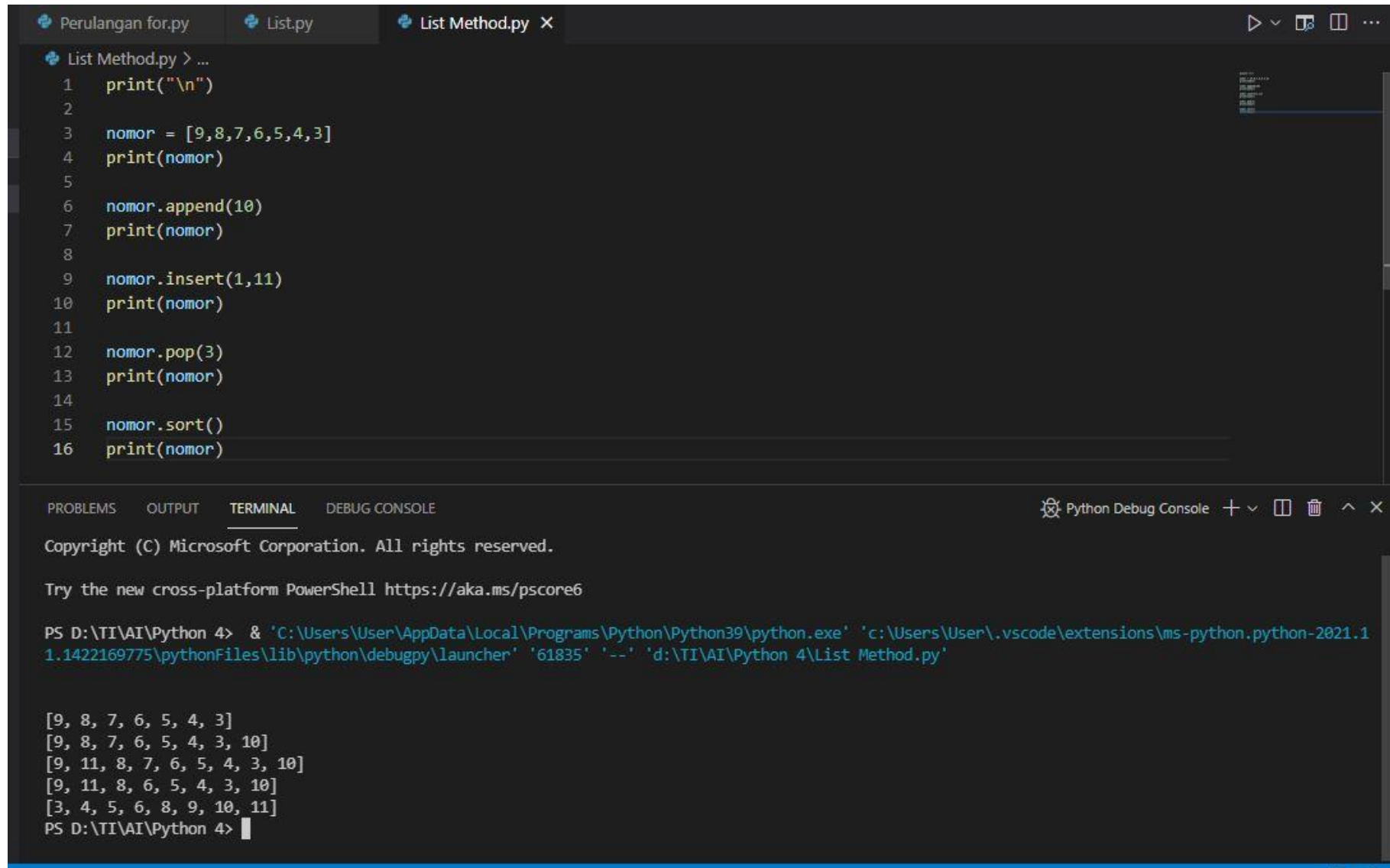
Windows PowerShell  
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Try the new cross-platform PowerShell <https://aka.ms/pscore6>

PS D:\TI\AI\Python 4> & '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' '61223' '--' 'd:\TI\AI\Python 4\List.py'

Nama : Hilmy  
Nama : Adrizul  
Nama : Rifqi  
Nama : Hidayat  
Kampus : UTS  
Kampus : UNSA  
Kampus : UNRAM  
Kampus : UNDIKMA  
PS D:\TI\AI\Python 4>

## List Method



The image shows a Visual Studio Code editor window with three tabs: 'Perulangan for.py', 'List.py', and 'List Method.py'. The 'List Method.py' tab is active, displaying a Python script that demonstrates various list methods. The script includes comments in Indonesian and performs the following operations: printing a blank line, creating a list 'nomor' with values [9, 8, 7, 6, 5, 4, 3], printing the list, appending the value 10, printing the list again, inserting the value 11 at index 1, printing the list, popping the element at index 3, printing the list, sorting the list, and finally printing the sorted list.

```
List Method.py > ...
1  print("\n")
2
3  nomor = [9,8,7,6,5,4,3]
4  print(nomor)
5
6  nomor.append(10)
7  print(nomor)
8
9  nomor.insert(1,11)
10 print(nomor)
11
12 nomor.pop(3)
13 print(nomor)
14
15 nomor.sort()
16 print(nomor)
```

The bottom panel of the editor shows the 'TERMINAL' tab, which contains the output of the script. The output displays the list at each step: the initial list, the list after appending 10, the list after inserting 11, the list after popping an element, and the final sorted list. The terminal also shows the command used to run the script and the current directory path.

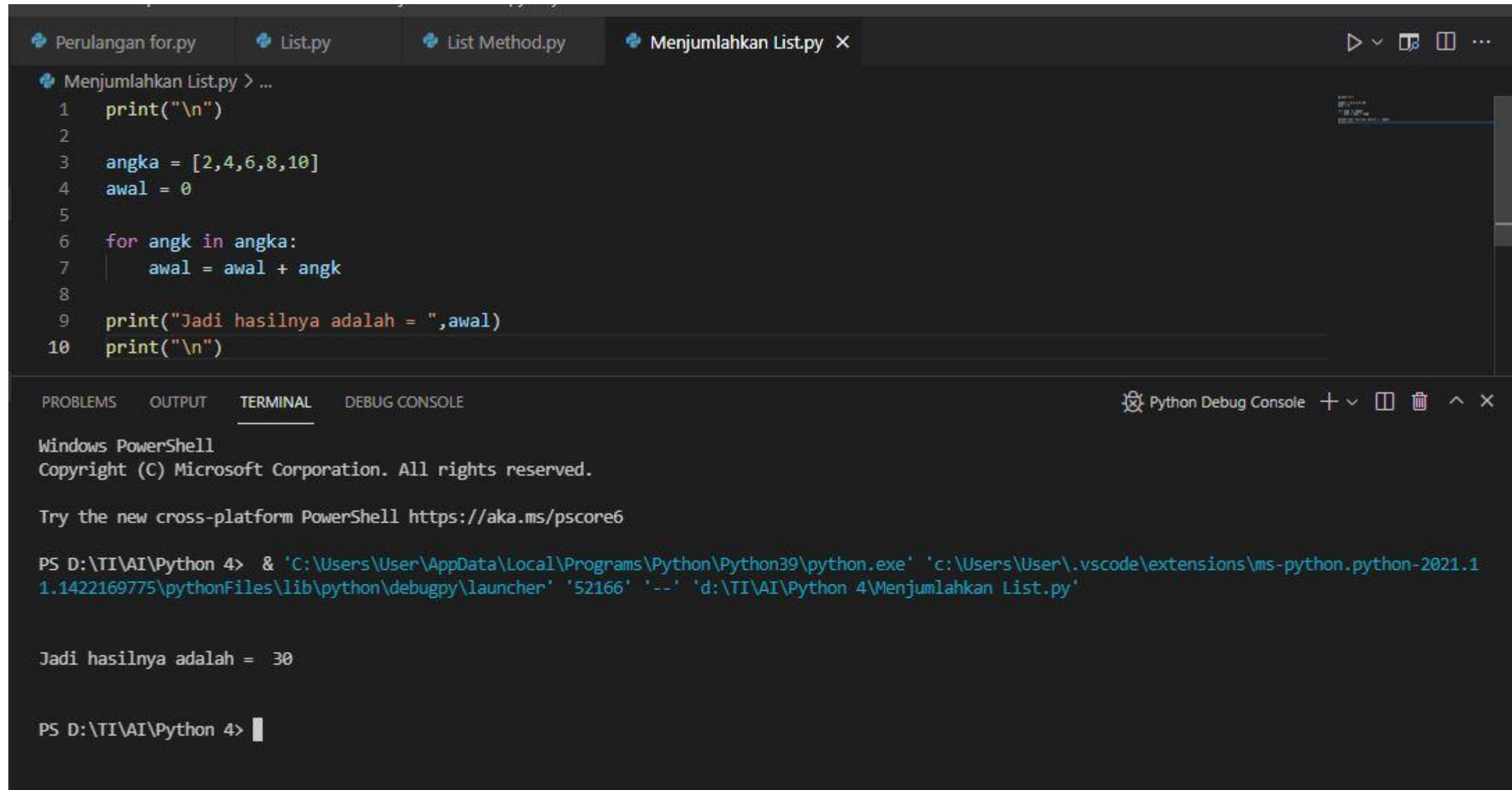
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PS D:\TI\AI\Python 4> & 'C:\Users\User\AppData\Local\Programs\Python\Python39\python.exe' 'c:\Users\User\.vscode\extensions\ms-python.python-2021.1.1422169775\pythonFiles\lib\python\debugpy\launcher' '61835' '--' 'd:\TI\AI\Python 4\List Method.py'

[9, 8, 7, 6, 5, 4, 3]  
[9, 8, 7, 6, 5, 4, 3, 10]  
[9, 11, 8, 7, 6, 5, 4, 3, 10]  
[9, 11, 8, 6, 5, 4, 3, 10]  
[3, 4, 5, 6, 8, 9, 10, 11]  
PS D:\TI\AI\Python 4> █

## Menjumlahkan List



The image shows a Visual Studio Code editor window with a file named 'Menjumlahkan List.py' open. The code in the editor is a Python script that calculates the sum of a list of numbers. Below the editor, the 'TERMINAL' tab is active, showing the command used to run the script and its output.

```
Perulangan for.py List.py List Method.py Menjumlahkan List.py X
```

```
Menjumlahkan List.py > ...
1  print("\n")
2
3  angka = [2,4,6,8,10]
4  awal = 0
5
6  for angk in angka:
7      |   awal = awal + angk
8
9  print("Jadi hasilnya adalah = ",awal)
10 print("\n")
```

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

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

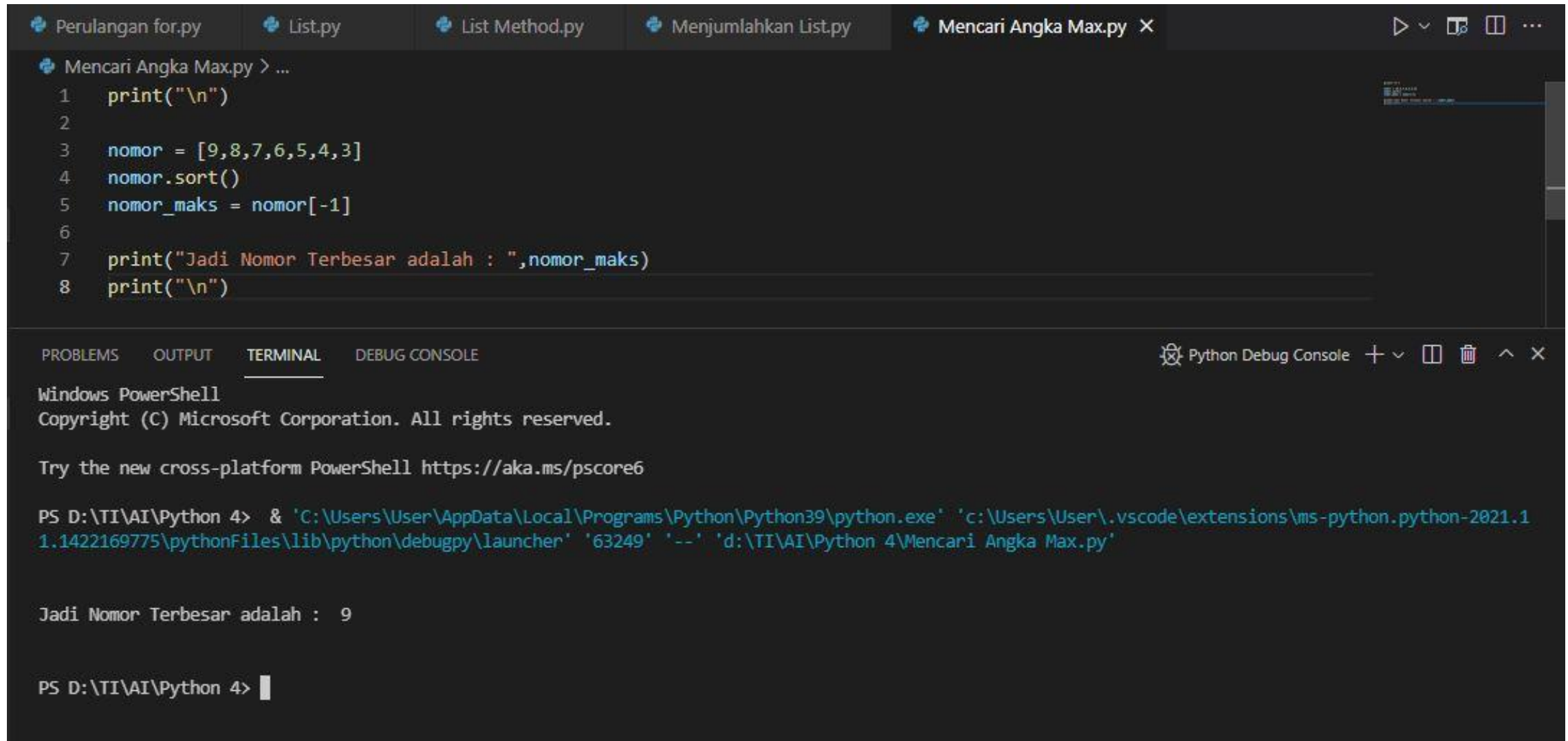
Try the new cross-platform PowerShell <https://aka.ms/pscore6>

PS D:\TI\AI\Python 4> & 'C:\Users\User\AppData\Local\Programs\Python\Python39\python.exe' 'c:\Users\User\.vscode\extensions\ms-python.python-2021.1.1422169775\pythonFiles\lib\python\debugpy\launcher' '52166' '--' 'd:\TI\AI\Python 4\Menjumlahkan List.py'

Jadi hasilnya adalah = 30

PS D:\TI\AI\Python 4> █

## Mencari Angka Max



The image shows a Visual Studio Code editor window with a Python file named 'Mencari Angka Max.py' open. The code defines a list 'nomor' with values [9, 8, 7, 6, 5, 4, 3], sorts it, and prints the last element, which is 9. Below the editor, the 'TERMINAL' tab is active, showing the command to run the script and the output 'Jadi Nomor Terbesar adalah : 9'.

```
Perulangan for.py List.py List Method.py Menjumlahkan List.py Mencari Angka Max.py X
```

```
Mencari Angka Max.py > ...
1  print("\n")
2
3  nomor = [9,8,7,6,5,4,3]
4  nomor.sort()
5  nomor_maks = nomor[-1]
6
7  print("Jadi Nomor Terbesar adalah : ",nomor_maks)
8  print("\n")
```

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

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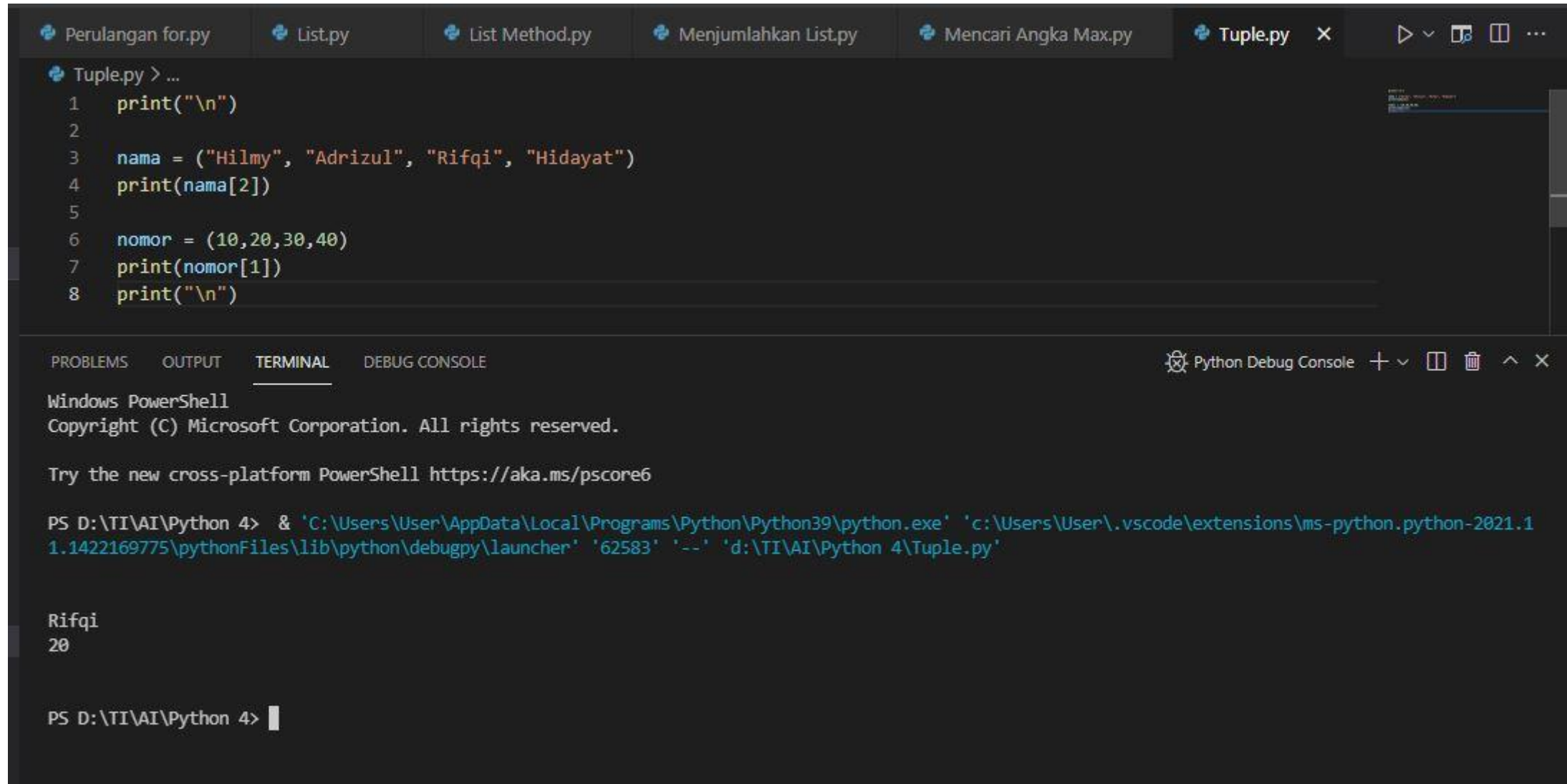
Try the new cross-platform PowerShell <https://aka.ms/pscore6>

```
PS D:\TI\AI\Python 4> & 'C:\Users\User\AppData\Local\Programs\Python\Python39\python.exe' 'c:\Users\User\.vscode\extensions\ms-python.python-2021.1.1422169775\pythonFiles\lib\python\debugpy\launcher' '63249' '--' 'd:\TI\AI\Python 4\Mencari Angka Max.py'
```

Jadi Nomor Terbesar adalah : 9

```
PS D:\TI\AI\Python 4> █
```

## Tuple



The image shows a Visual Studio Code editor window with a dark theme. At the top, there are several tabs for Python files: 'Perulangan for.py', 'List.py', 'List Method.py', 'Menjumlahkan List.py', 'Mencari Angka Max.py', and 'Tuple.py'. The 'Tuple.py' tab is active, showing a Python script with 8 lines of code. Below the editor, the 'TERMINAL' panel is open, displaying the output of the script. The script defines a tuple 'nama' with values 'Hilmy', 'Adrizul', 'Rifqi', and 'Hidayat', and another tuple 'nomor' with values 10, 20, 30, and 40. It prints the third element of 'nama' and the second element of 'nomor'.

```
Tuple.py > ...
1  print("\n")
2
3  nama = ("Hilmy", "Adrizul", "Rifqi", "Hidayat")
4  print(nama[2])
5
6  nomor = (10,20,30,40)
7  print(nomor[1])
8  print("\n")
```

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

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

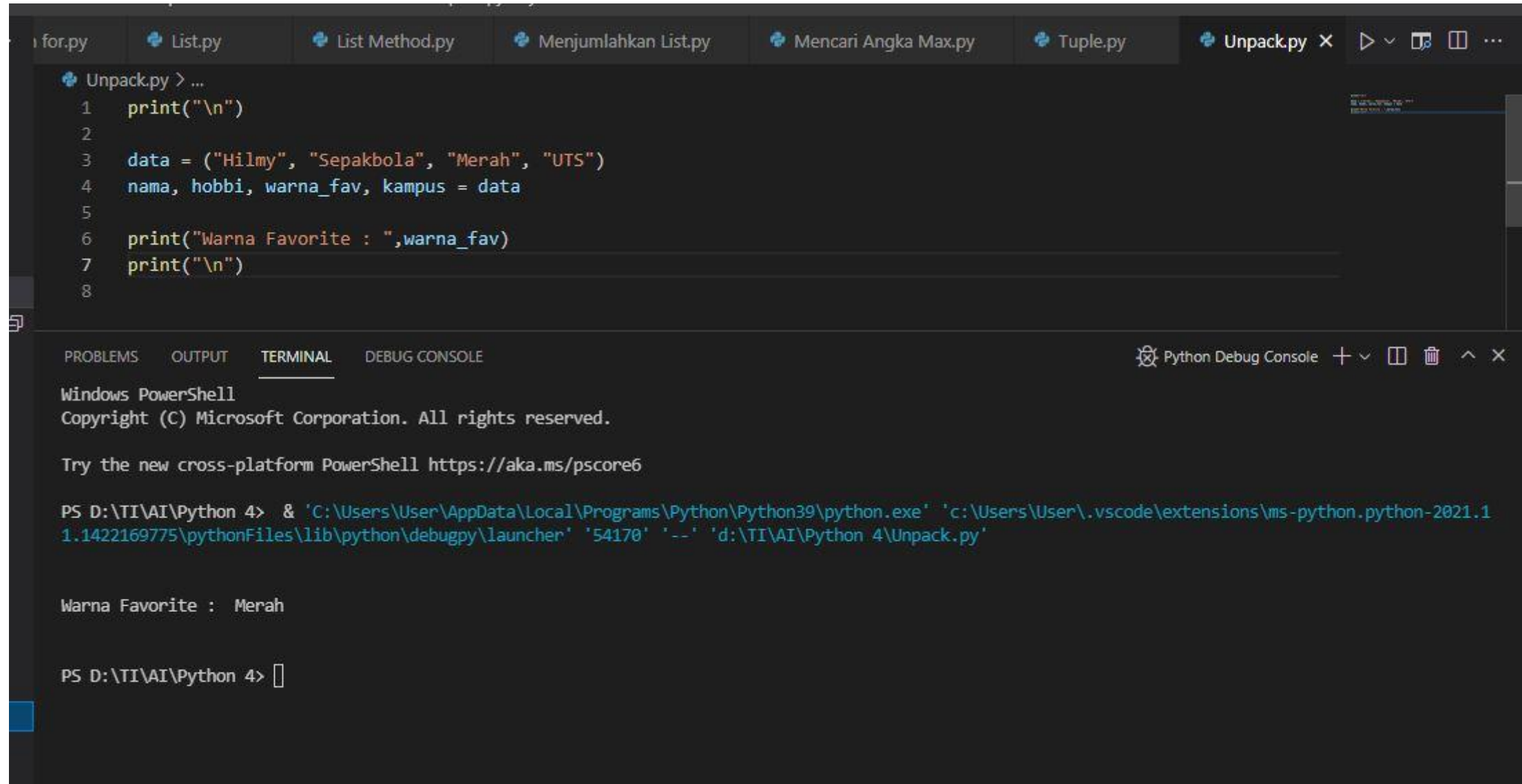
PS D:\TI\AI\Python 4> & 'C:\Users\User\AppData\Local\Programs\Python\Python39\python.exe' 'c:\Users\User\.vscode\extensions\ms-python.python-2021.11.1422169775\pythonFiles\lib\python\debugpy\launcher' '62583' '--' 'd:\TI\AI\Python 4\Tuple.py'

Rifqi  
20

PS D:\TI\AI\Python 4>



## Unpack



The image shows a Visual Studio Code editor window with several Python files open in the top tab bar: 'for.py', 'List.py', 'List Method.py', 'Menjumlahkan List.py', 'Mencari Angka Max.py', 'Tuple.py', and 'Unpack.py'. The 'Unpack.py' file is active and contains the following code:

```
1 print("\n")
2
3 data = ("Hilmy", "Sepakbola", "Merah", "UTS")
4 nama, hobbi, warna_fav, kampus = data
5
6 print("Warna Favorite : ",warna_fav)
7 print("\n")
8
```

Below the editor, the 'TERMINAL' panel is open, showing the output of running the script. The terminal text is as follows:

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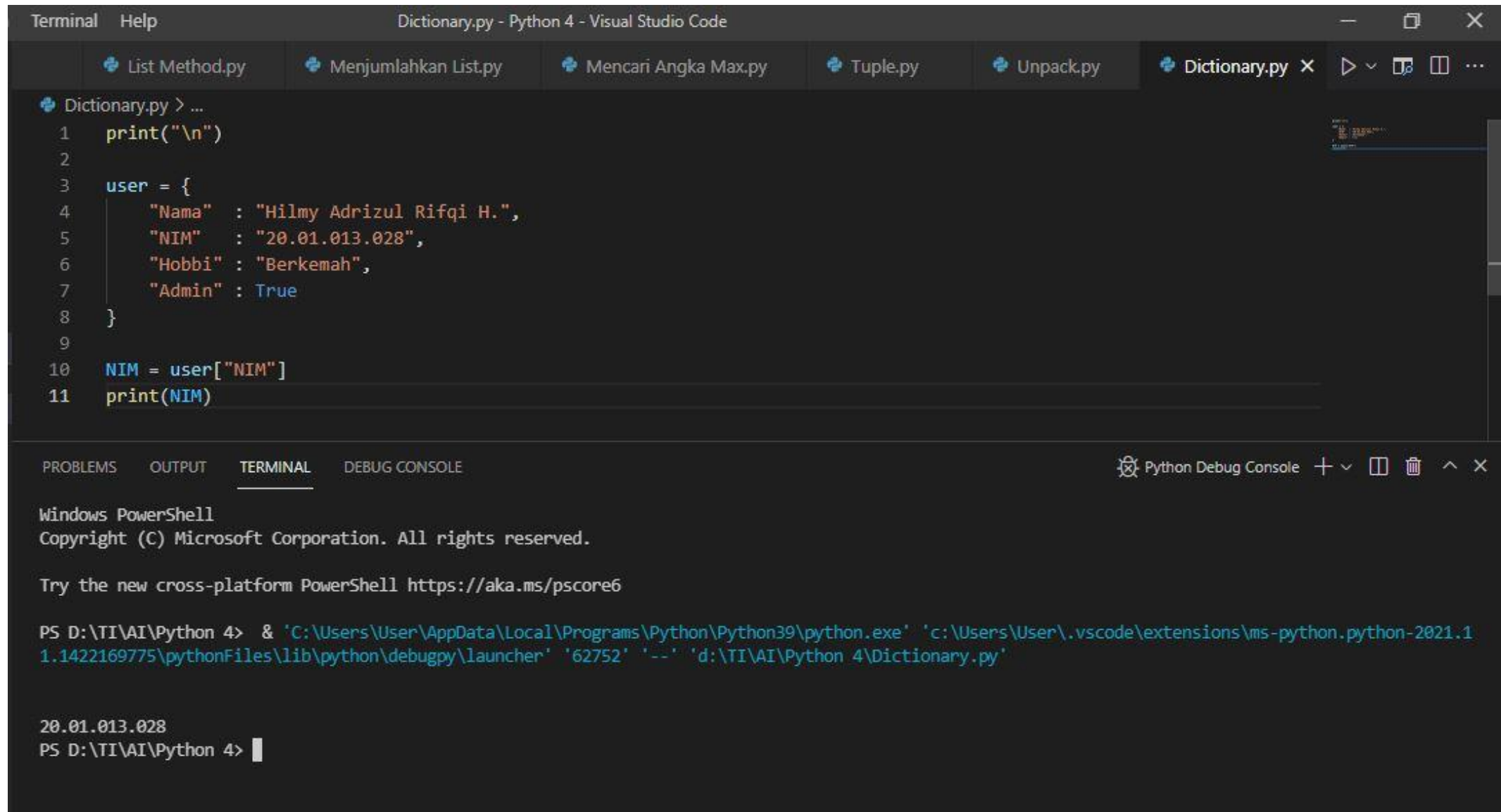
Try the new cross-platform PowerShell https://aka.ms/powershell

PS D:\TI\AI\Python 4> & 'C:\Users\User\AppData\Local\Programs\Python\Python39\python.exe' 'c:\Users\User\.vscode\extensions\ms-python.python-2021.1.1422169775\pythonFiles\lib\python\debugpy\launcher' '54170' '--' 'd:\TI\AI\Python 4\Unpack.py'

Warna Favorite :  Merah

PS D:\TI\AI\Python 4> 
```

## Dictionary



The image shows a Visual Studio Code window with a Python file named `Dictionary.py` open. The file contains a dictionary `user` with keys `Nama`, `NIM`, `Hobbi`, and `Admin`. The `NIM` value is `"20.01.013.028"`. The script prints the value of `user["NIM"]`.

```
1 print("\n")
2
3 user = {
4     "Nama" : "Hilmy Adrizul Rifqi H.",
5     "NIM"  : "20.01.013.028",
6     "Hobbi" : "Berkemah",
7     "Admin" : True
8 }
9
10 NIM = user["NIM"]
11 print(NIM)
```

The terminal output shows the execution of the script, displaying the NIM value `20.01.013.028`.

```
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PS D:\TI\AI\Python 4> & 'C:\Users\User\AppData\Local\Programs\Python\Python39\python.exe' 'c:\Users\User\.vscode\extensions\ms-python.python-2021.1.1422169775\pythonFiles\lib\python\debugpy\launcher' '62752' '--' 'd:\TI\AI\Python 4\Dictionary.py'

20.01.013.028
PS D:\TI\AI\Python 4>
```