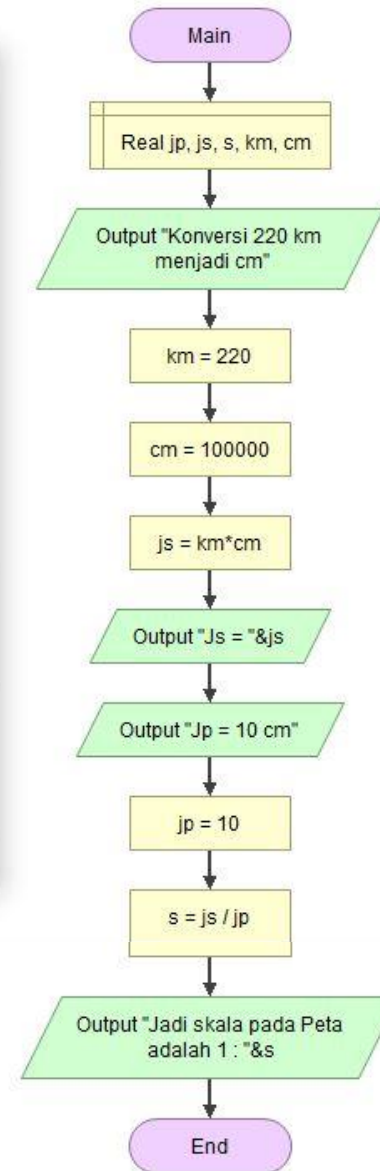
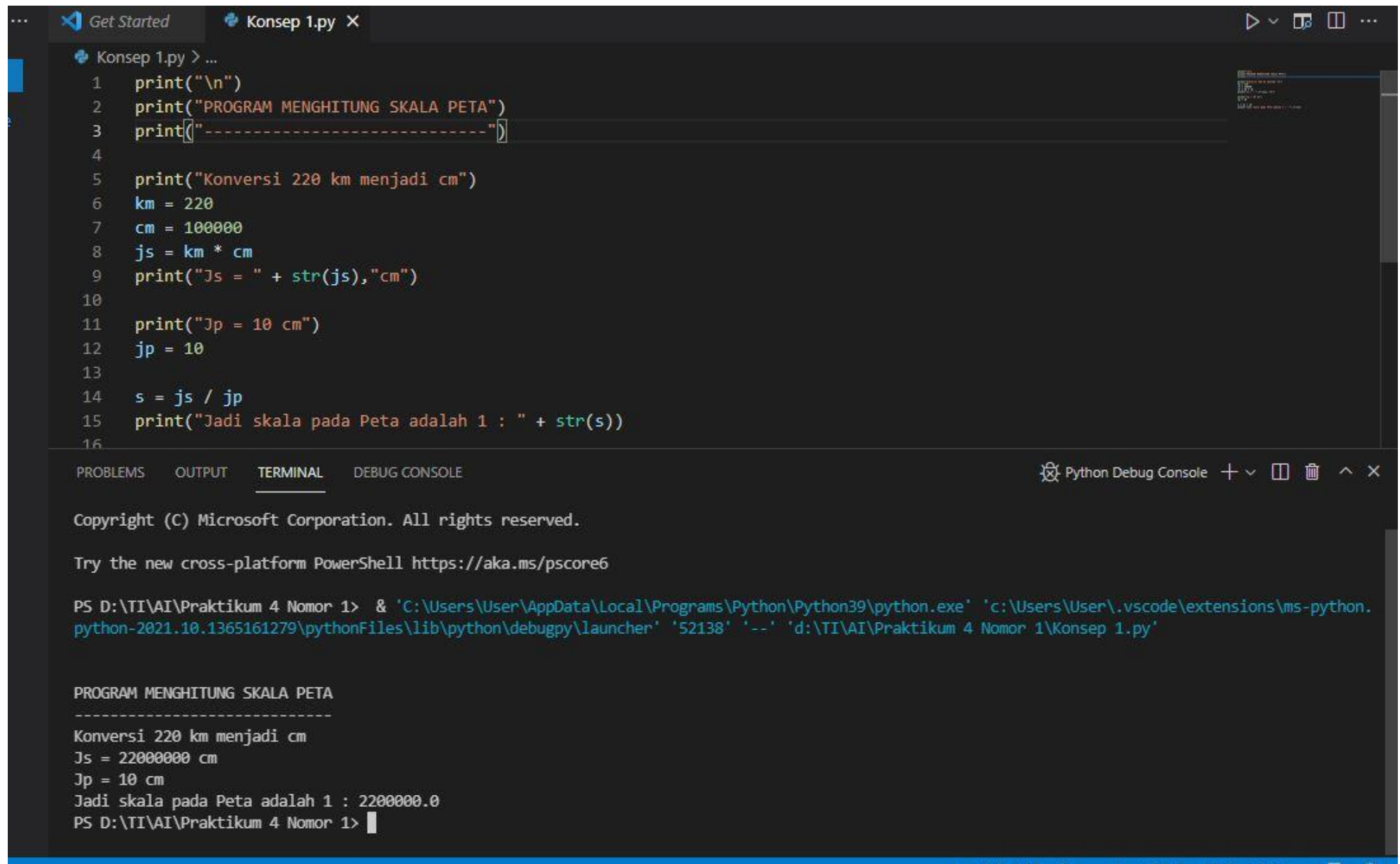


Menghitung Skala Peta Konsep 1



Konsep 1 Menghitung Skala Peta (.py)



The image shows a Visual Studio Code editor window with a file named 'Konsep 1.py'. The editor contains a Python script that calculates a map scale. The script is as follows:

```
1 print("\n")
2 print("PROGRAM MENGHITUNG SKALA PETA")
3 print("-----")
4
5 print("Konversi 220 km menjadi cm")
6 km = 220
7 cm = 100000
8 js = km * cm
9 print("Js = " + str(js), "cm")
10
11 print("Jp = 10 cm")
12 jp = 10
13
14 s = js / jp
15 print("Jadi skala pada Peta adalah 1 : " + str(s))
16
```

Below the editor, the 'TERMINAL' tab is active, showing the output of the script. The output is as follows:

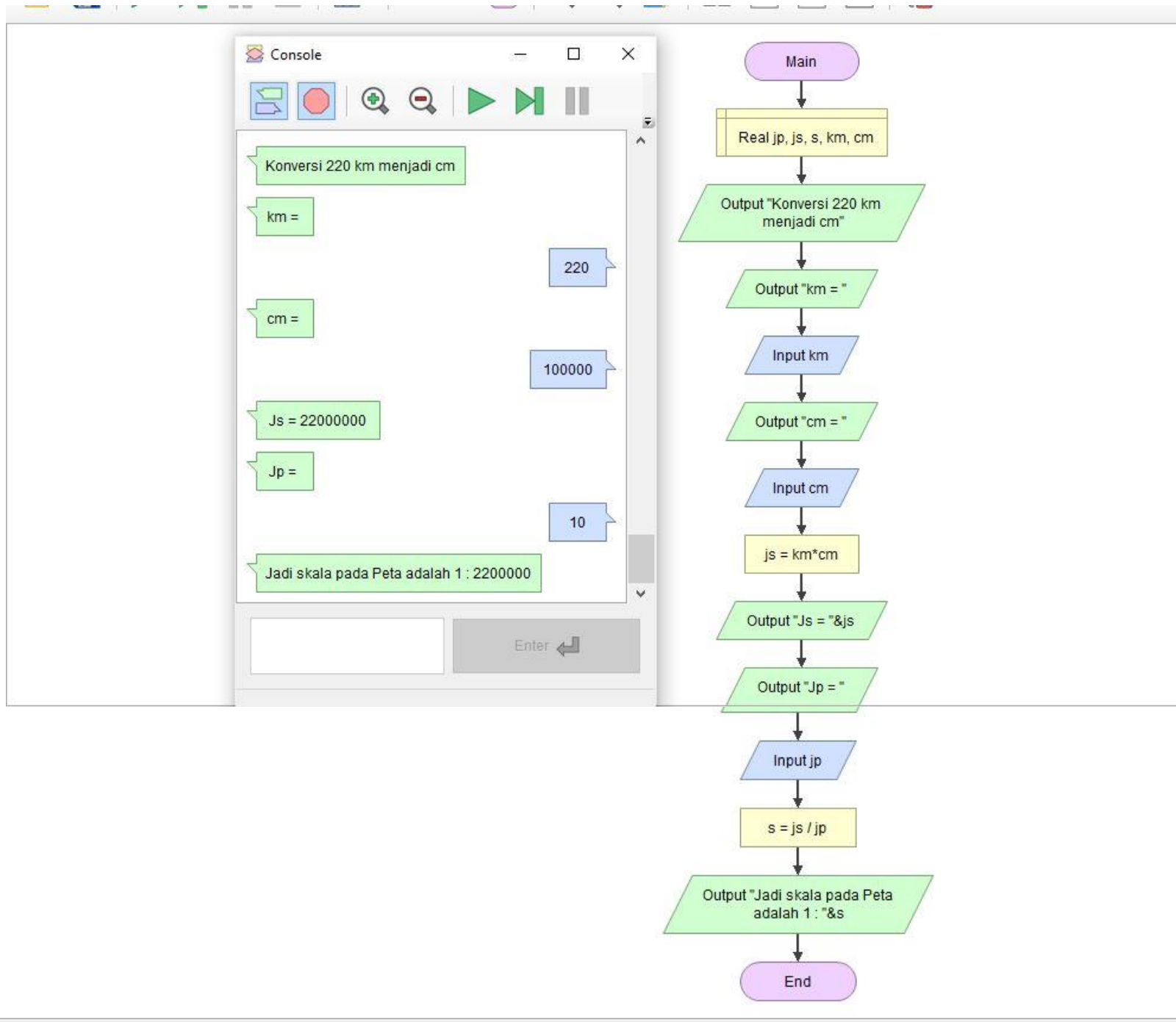
```
Copyright (C) Microsoft Corporation. All rights reserved.

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

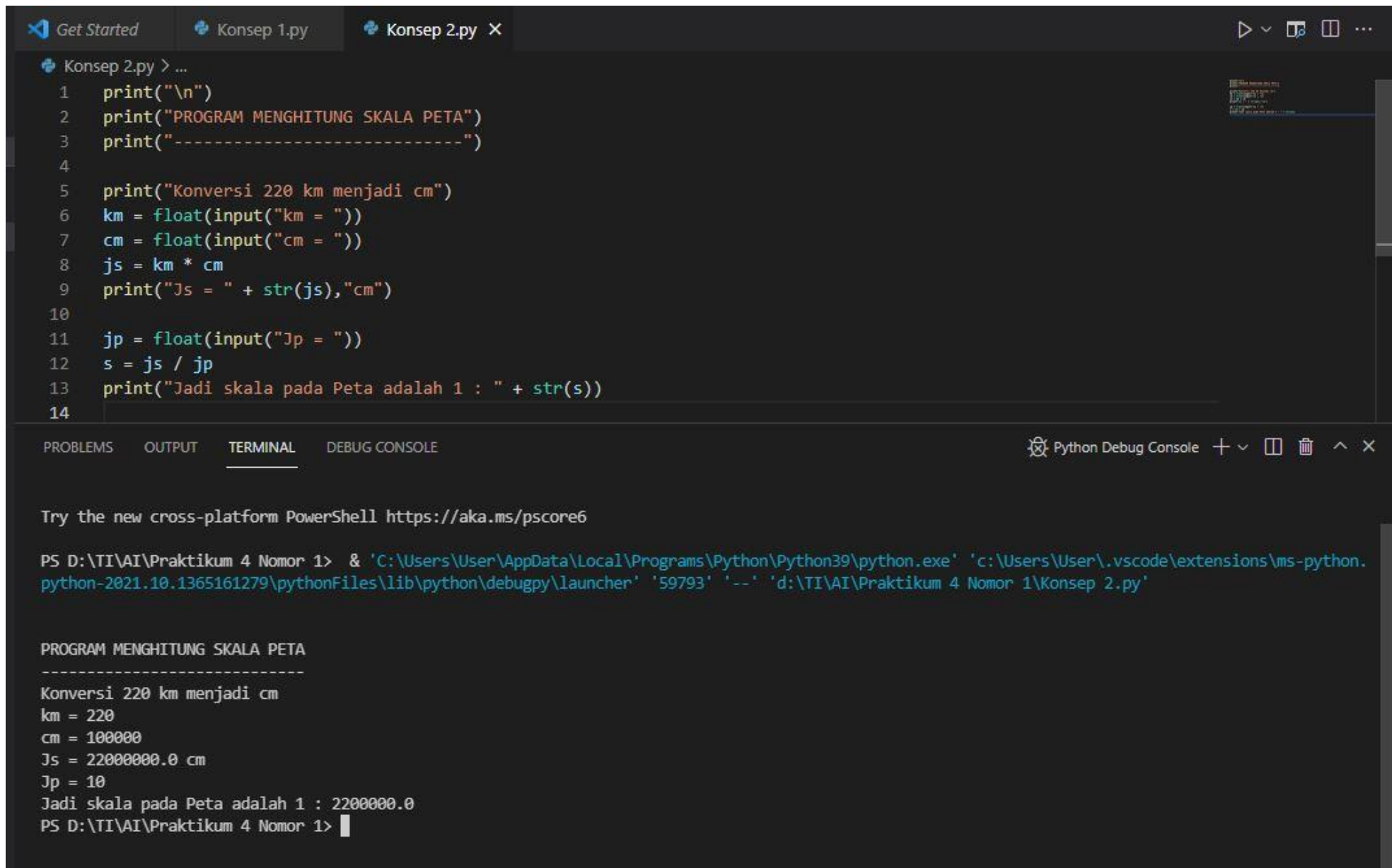
PS D:\TI\AI\Praktikum 4 Nomor 1> & 'C:\Users\User\AppData\Local\Programs\Python\Python39\python.exe' 'c:\Users\User\.vscode\extensions\ms-python.python-2021.10.1365161279\pythonFiles\lib\python\debugpy\launcher' '52138' '--' 'd:\TI\AI\Praktikum 4 Nomor 1\Konsep 1.py'

PROGRAM MENGHITUNG SKALA PETA
-----
Konversi 220 km menjadi cm
Js = 22000000 cm
Jp = 10 cm
Jadi skala pada Peta adalah 1 : 2200000.0
PS D:\TI\AI\Praktikum 4 Nomor 1>
```

Menghitung Skala Peta Konsep 2



Konsep 2 Skala Peta (.py)



The image shows a Visual Studio Code editor window with a Python file named 'Konsep 2.py'. The code is a program to calculate map scale. It prints a title, a separator, and a prompt. It then takes two inputs: 'km' (220) and 'cm' (100000). It calculates 'js' (22000000.0 cm) and 'jp' (10). Finally, it prints the scale '1 : 2200000.0'.

```
1 print("\n")
2 print("PROGRAM MENGHITUNG SKALA PETA")
3 print("-----")
4
5 print("Konversi 220 km menjadi cm")
6 km = float(input("km = "))
7 cm = float(input("cm = "))
8 js = km * cm
9 print("Js = " + str(js), "cm")
10
11 jp = float(input("jp = "))
12 s = js / jp
13 print("Jadi skala pada Peta adalah 1 : " + str(s))
14
```

The terminal output shows the execution of the script, displaying the same prompts and results as the code.

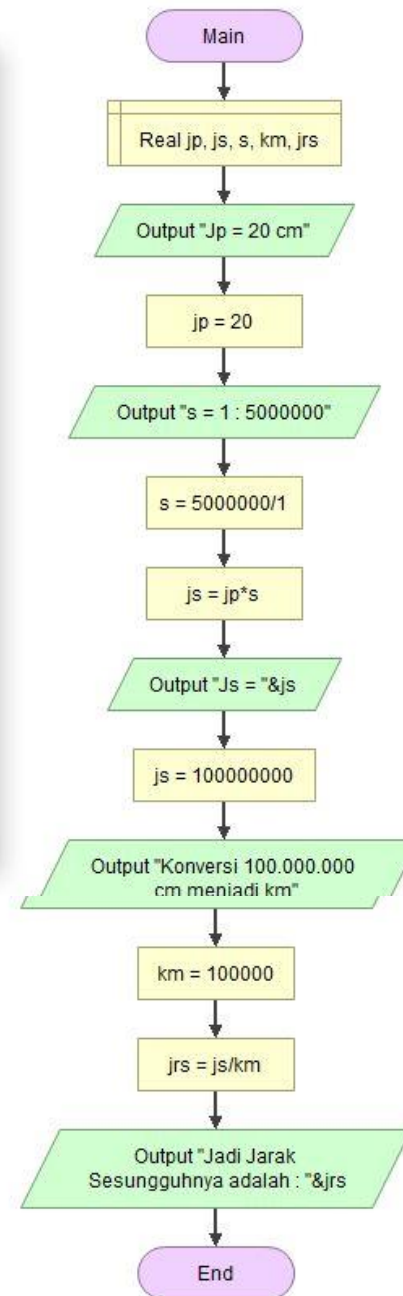
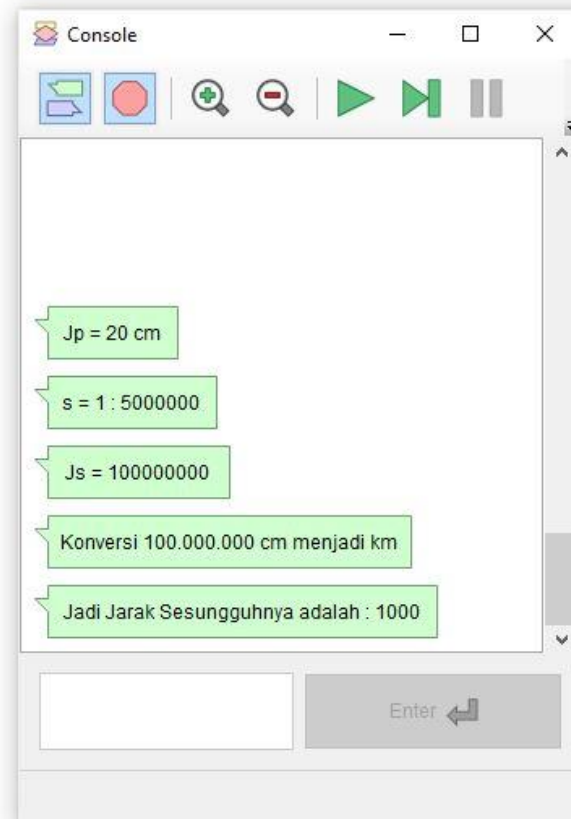
```
Try the new cross-platform PowerShell https://aka.ms/pscore6

PS D:\TI\AI\Praktikum 4 Nomor 1> & 'C:\Users\User\AppData\Local\Programs\Python\Python39\python.exe' 'c:\Users\User\.vscode\extensions\ms-python.python-2021.10.1365161279\pythonFiles\lib\python\debugpy\launcher' '59793' '--' 'd:\TI\AI\Praktikum 4 Nomor 1\Konsep 2.py'

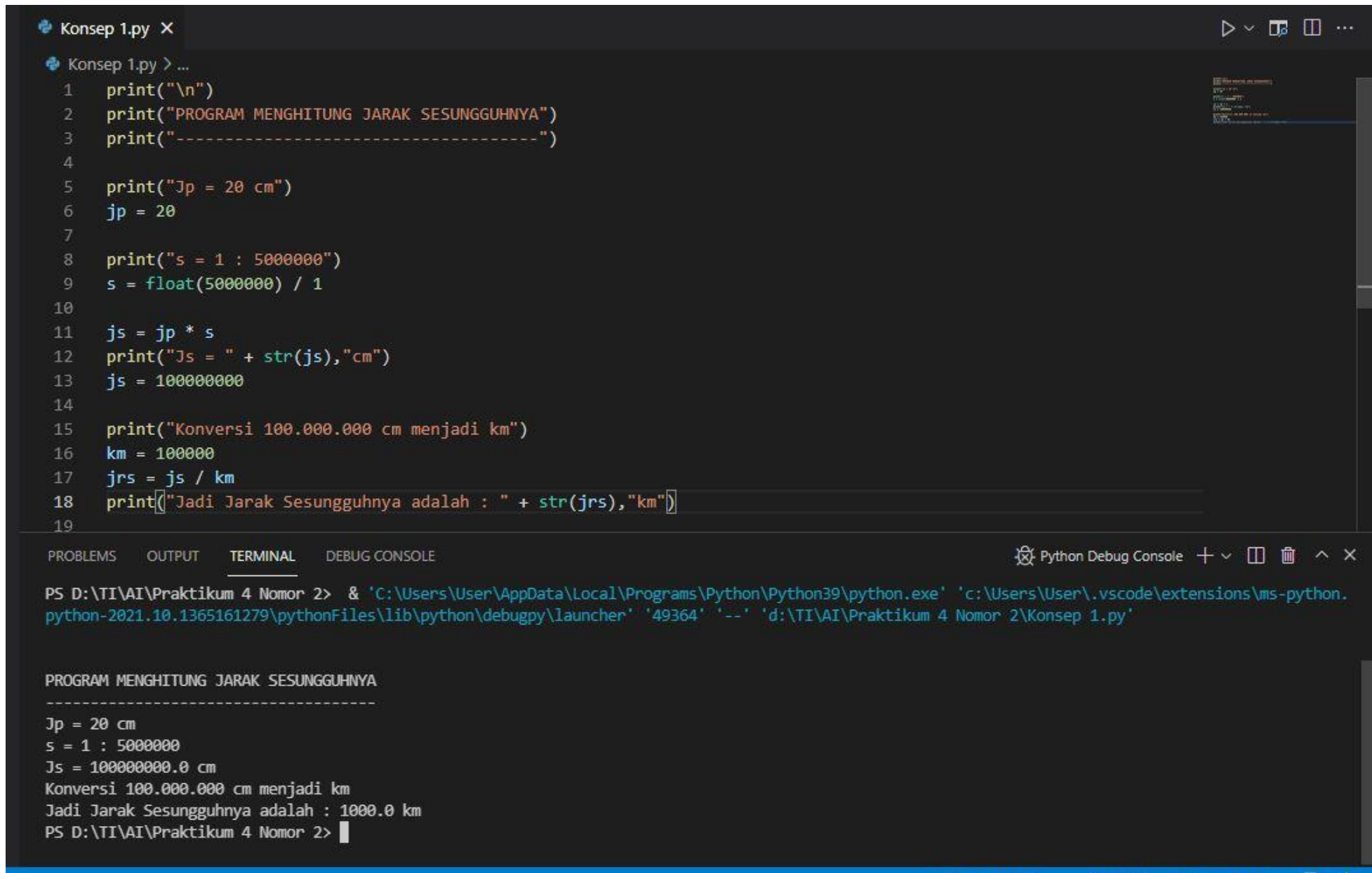
PROGRAM MENGHITUNG SKALA PETA
-----
Konversi 220 km menjadi cm
km = 220
cm = 100000
Js = 22000000.0 cm
jp = 10
Jadi skala pada Peta adalah 1 : 2200000.0
PS D:\TI\AI\Praktikum 4 Nomor 1>
```

Menghitung Jarak Sesungguhnya (1)

Konsep 1



Konsep 1 Menghitung Jarak Sesungguhnya (1) (.py)



The image shows a Visual Studio Code editor window with a Python file named 'Konsep 1.py'. The code is a simple program to calculate a distance in kilometers. It starts with a print statement for a title, followed by a separator line. It then defines a variable 'jp' as 20 cm and a variable 's' as 5000000. It calculates 'js' as 'jp * s', which results in 100000000.0 cm. It then prints a message about converting this to km, defines 'km' as 100000, and finally calculates 'jrs' as 'js / km', resulting in 1000.0 km. The terminal output shows the execution of the script, displaying the same text as the print statements in the code.

```
Konsep 1.py X
Konsep 1.py > ...
1  print("\n")
2  print("PROGRAM MENGHITUNG JARAK SESUNGGUHNYA")
3  print("-----")
4
5  print("Jp = 20 cm")
6  jp = 20
7
8  print("s = 1 : 5000000")
9  s = float(5000000) / 1
10
11 js = jp * s
12 print("Js = " + str(js), "cm")
13 js = 100000000
14
15 print("Konversi 100.000.000 cm menjadi km")
16 km = 100000
17 jrs = js / km
18 print("Jadi Jarak Sesungguhnya adalah : " + str(jrs), "km")
19

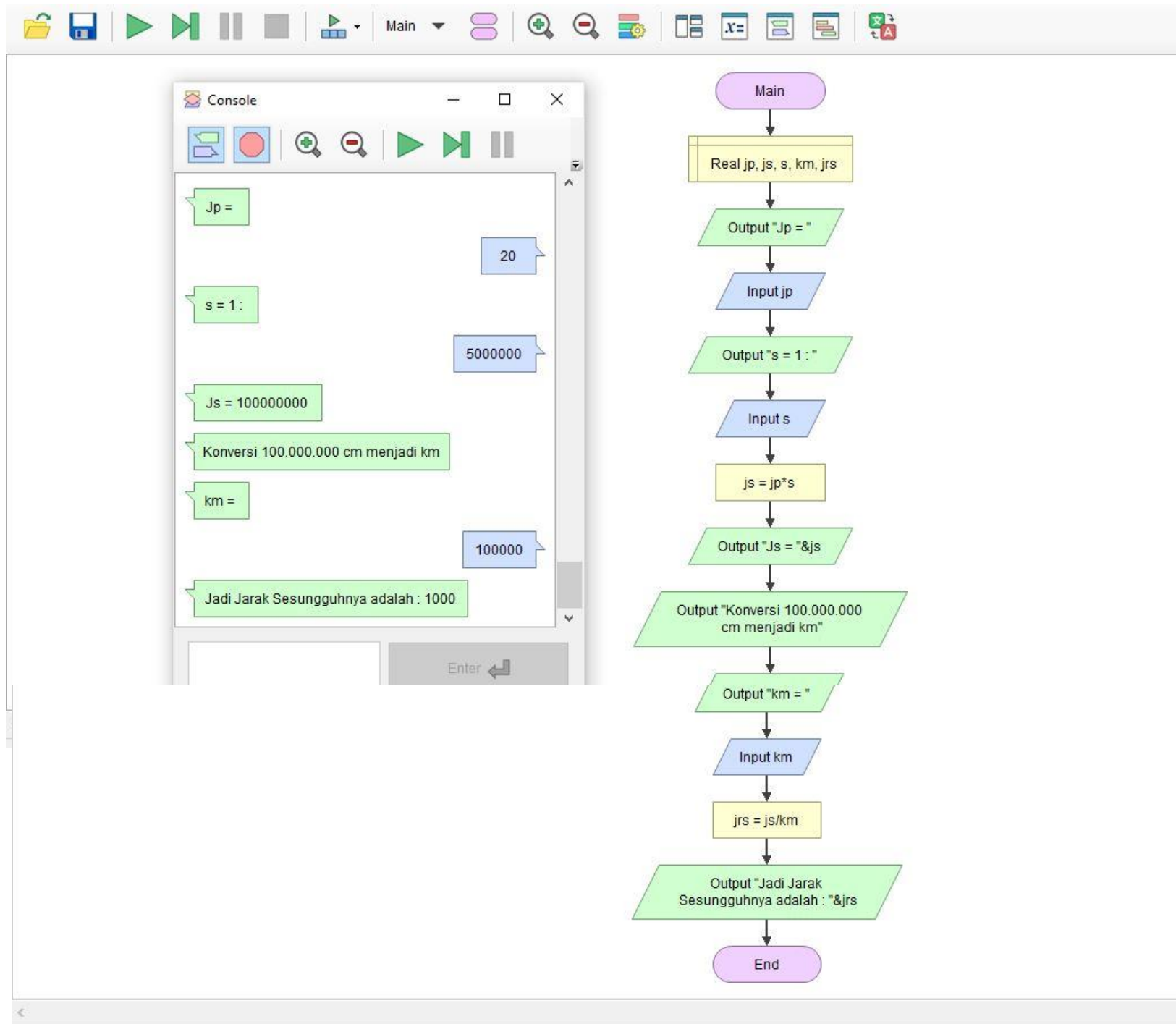
PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE
Python Debug Console + - [ ] [X] ^ X

PS D:\TI\AI\Praktikum 4 Nomor 2> & 'C:\Users\User\AppData\Local\Programs\Python\Python39\python.exe' 'c:\Users\User\.vscode\extensions\ms-python.python-2021.10.1365161279\pythonFiles\lib\python\debugpy\launcher' '49364' '--' 'd:\TI\AI\Praktikum 4 Nomor 2\Konsep 1.py'

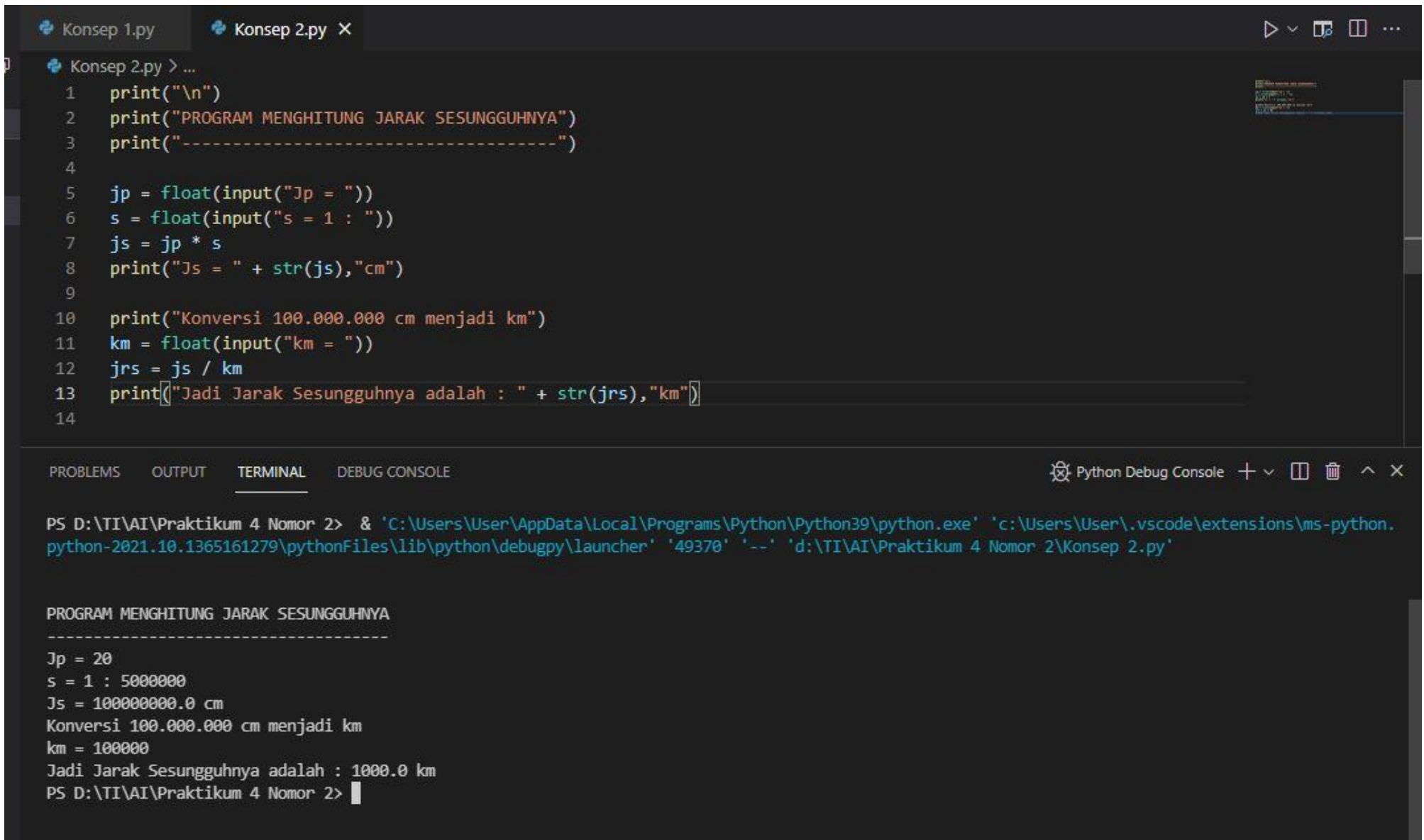
PROGRAM MENGHITUNG JARAK SESUNGGUHNYA
-----
Jp = 20 cm
s = 1 : 5000000
Js = 100000000.0 cm
Konversi 100.000.000 cm menjadi km
Jadi Jarak Sesungguhnya adalah : 1000.0 km
PS D:\TI\AI\Praktikum 4 Nomor 2> |
```


Menghitung Jarak Sesungguhnya (1)

Konsep 2



Konsep 2 Menghitung Jarak Sesungguhnya (1) (.py)



The image shows a Visual Studio Code editor window with two tabs: 'Konsep 1.py' and 'Konsep 2.py'. The 'Konsep 2.py' tab is active, displaying a Python script. The script is a program to calculate the actual distance in kilometers based on a given distance in centimeters and a scale factor. The script includes comments and uses input and output functions. Below the editor, the 'TERMINAL' panel shows the command used to run the script and its output. The output displays the program's title, a separator line, the input values, the calculated distance in centimeters, the conversion factor, and the final result in kilometers.

```
Konsep 2.py > ...
1  print("\n")
2  print("PROGRAM MENGHITUNG JARAK SESUNGGUHNYA")
3  print("-----")
4
5  jp = float(input("Jp = "))
6  s = float(input("s = 1 : "))
7  js = jp * s
8  print("Js = " + str(js), "cm")
9
10 print("Konversi 100.000.000 cm menjadi km")
11 km = float(input("km = "))
12 jrs = js / km
13 print("Jadi Jarak Sesungguhnya adalah : " + str(jrs), "km")
14
```

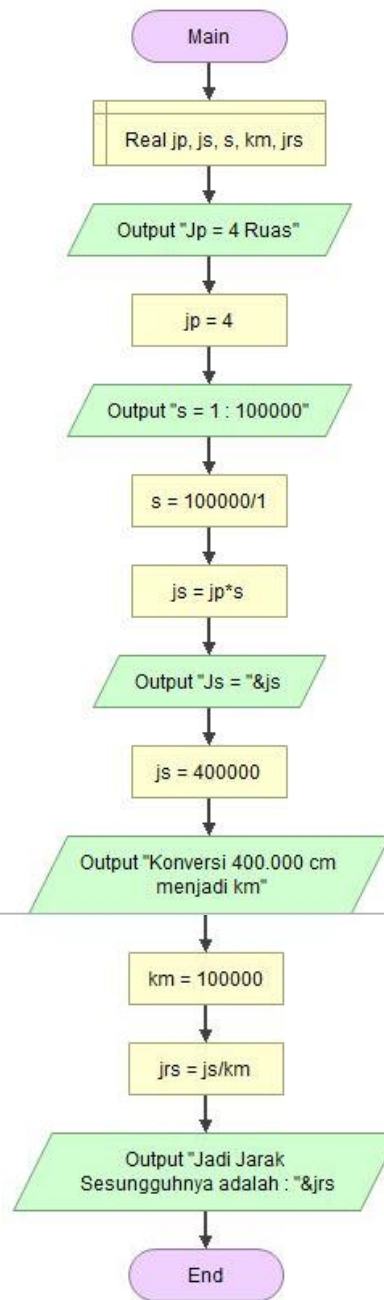
PROBLEMS OUTPUT **TERMINAL** DEBUG CONSOLE Python Debug Console

```
PS D:\TI\AI\Praktikum 4 Nomor 2> & 'C:\Users\User\AppData\Local\Programs\Python\Python39\python.exe' 'c:\Users\User\.vscode\extensions\ms-python.python-2021.10.1365161279\pythonFiles\lib\python\debugpy\launcher' '49370' '--' 'd:\TI\AI\Praktikum 4 Nomor 2\Konsep 2.py'

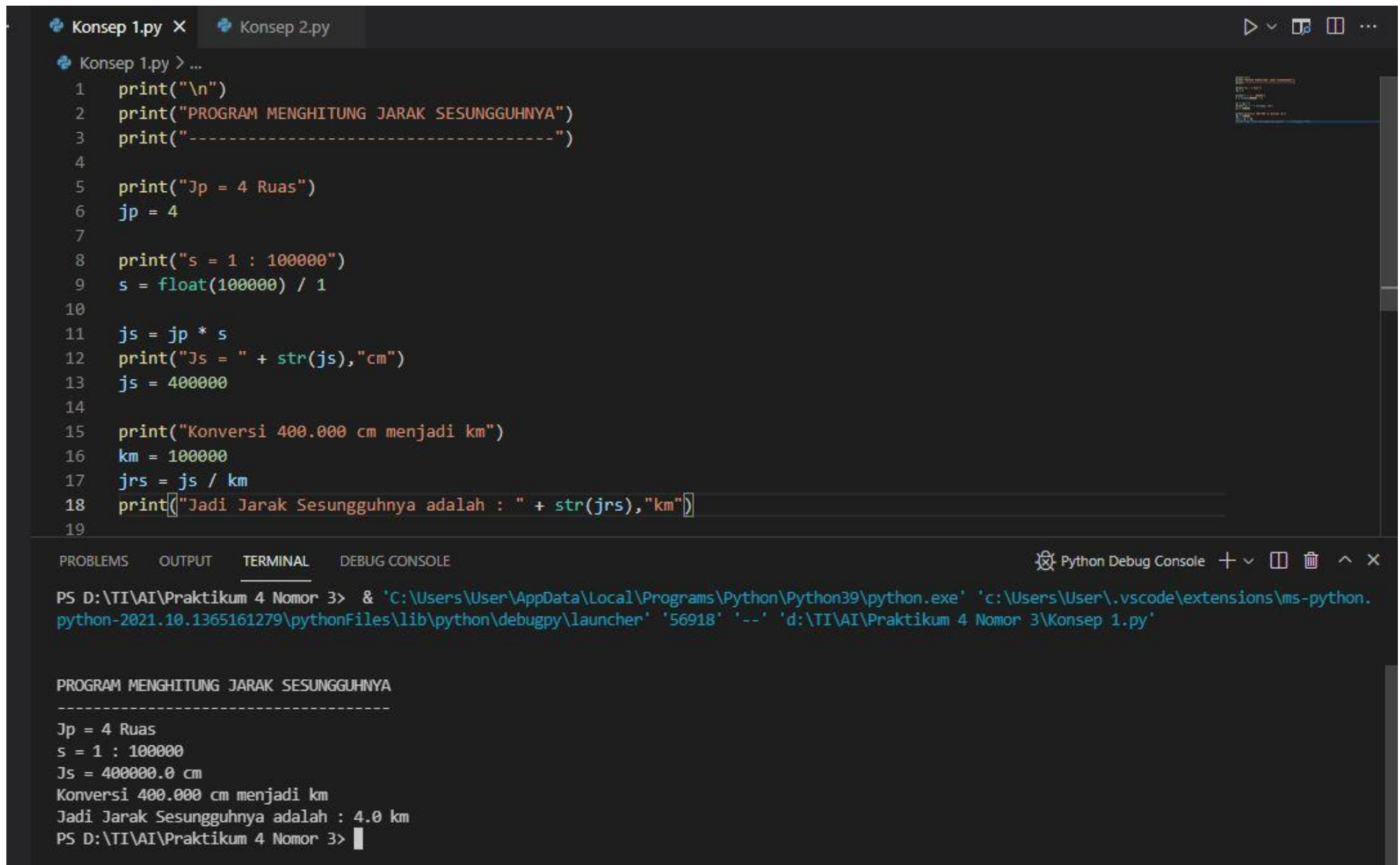
PROGRAM MENGHITUNG JARAK SESUNGGUHNYA
-----
Jp = 20
s = 1 : 5000000
Js = 100000000.0 cm
Konversi 100.000.000 cm menjadi km
km = 100000
Jadi Jarak Sesungguhnya adalah : 1000.0 km
PS D:\TI\AI\Praktikum 4 Nomor 2> |
```


Menghitung Jarak Sesungguhnya (2)

Konsep 1



Konsep 1 Menghitung Jarak Sesungguhnya (2) (.py)



The image shows a Visual Studio Code editor window with two tabs: 'Konsep 1.py' and 'Konsep 2.py'. The 'Konsep 1.py' tab is active, displaying a Python script. The script calculates the actual distance in kilometers based on the number of road segments (Ruas) and a scale factor (s). The output is printed to the terminal.

```
1 print("\n")
2 print("PROGRAM MENGHITUNG JARAK SESUNGGUHNYA")
3 print("-----")
4
5 print("Jp = 4 Ruas")
6 jp = 4
7
8 print("s = 1 : 100000")
9 s = float(100000) / 1
10
11 js = jp * s
12 print("Js = " + str(js), "cm")
13 js = 400000
14
15 print("Konversi 400.000 cm menjadi km")
16 km = 100000
17 jrs = js / km
18 print("Jadi Jarak Sesungguhnya adalah : " + str(jrs), "km")
19
```

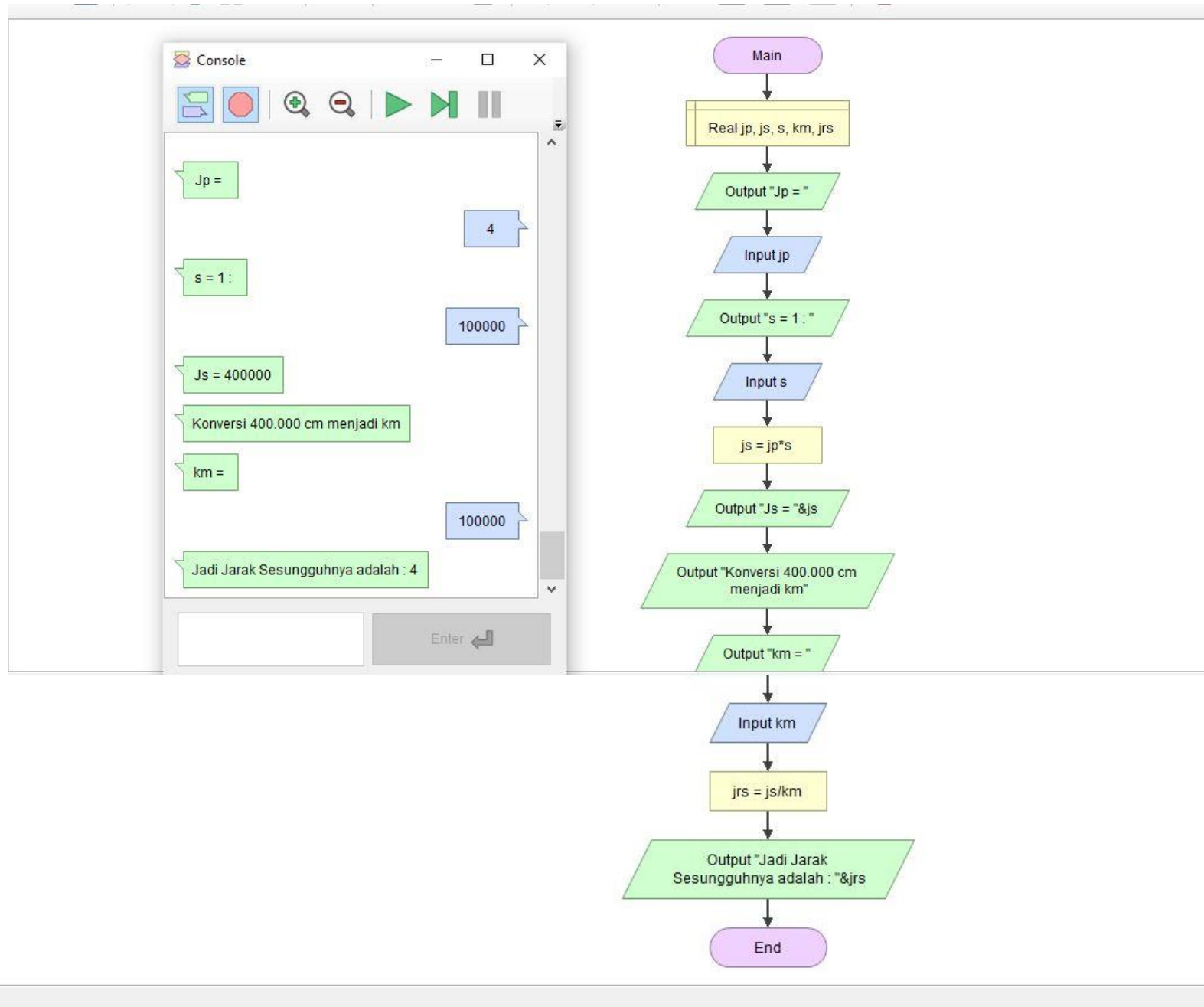
The terminal output shows the execution of the script, displaying the program title, a separator line, the input values for 'Jp' and 's', the calculated distance in centimeters ('Js'), and the final result in kilometers ('jrs').

```
PS D:\TI\AI\Praktikum 4 Nomor 3> & 'C:\Users\User\AppData\Local\Programs\Python\Python39\python.exe' 'c:\Users\User\.vscode\extensions\ms-python.python-2021.10.1365161279\pythonFiles\lib\python\debugpy\launcher' '56918' '--' 'd:\TI\AI\Praktikum 4 Nomor 3\Konsep 1.py'

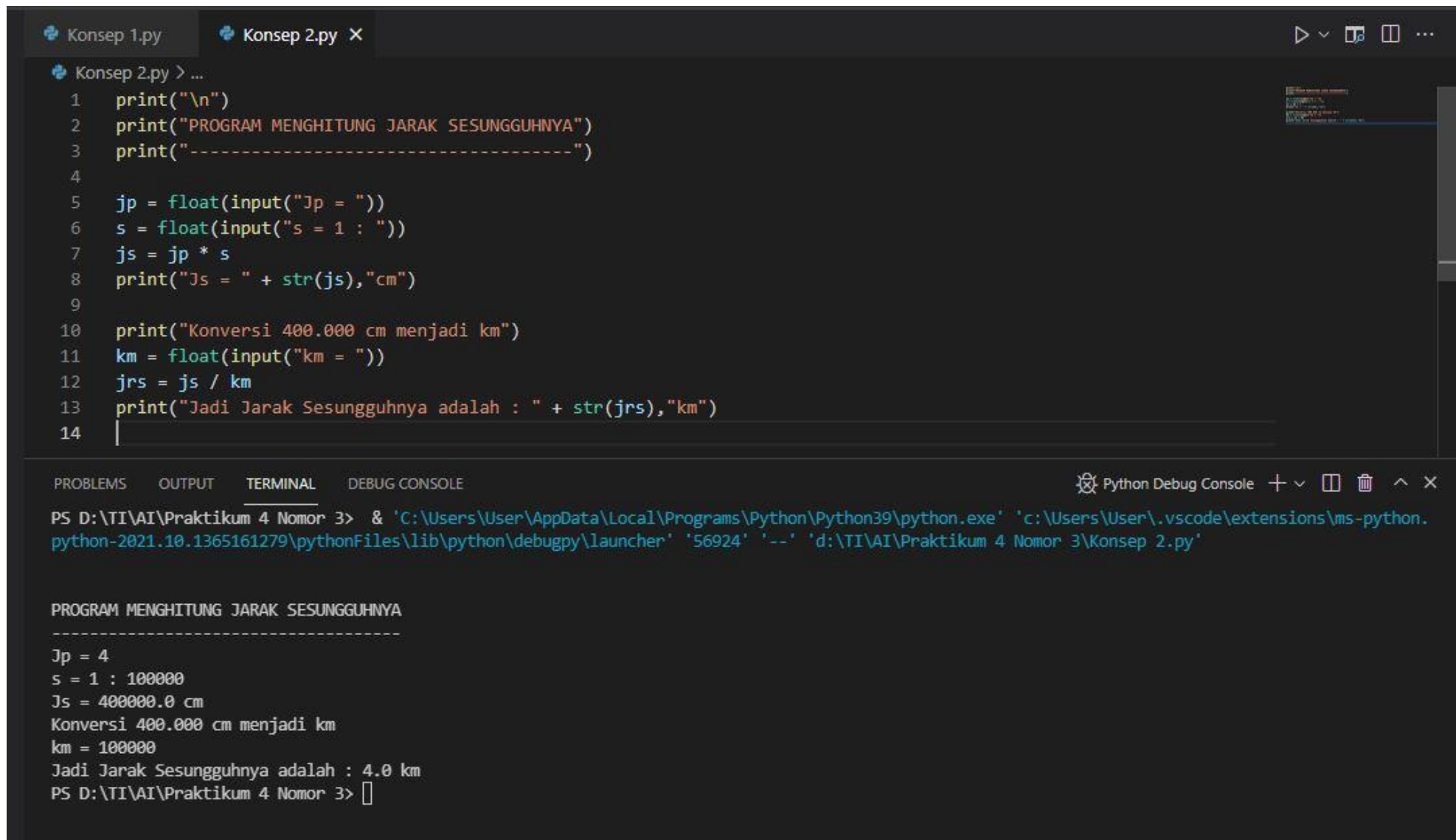
PROGRAM MENGHITUNG JARAK SESUNGGUHNYA
-----
Jp = 4 Ruas
s = 1 : 100000
Js = 400000.0 cm
Konversi 400.000 cm menjadi km
Jadi Jarak Sesungguhnya adalah : 4.0 km
PS D:\TI\AI\Praktikum 4 Nomor 3>
```

Menghitung Jarak Sesungguhnya (2)

Konsep 2



Konsep 2 Menghitung Jarak Sesungguhnya (2) (.py)



The image shows a Visual Studio Code editor window with two tabs: 'Konsep 1.py' and 'Konsep 2.py'. The 'Konsep 2.py' tab is active, displaying a Python script. The script calculates the actual distance in kilometers based on a given distance in centimeters and a scale factor. The script includes comments and uses `float` and `str` functions for calculations and string formatting. The terminal at the bottom shows the command used to run the script and the resulting output, which matches the code's logic.

```
Konsep 2.py > ...
1  print("\n")
2  print("PROGRAM MENGHITUNG JARAK SESUNGGUHNYA")
3  print("-----")
4
5  jp = float(input("Jp = "))
6  s = float(input("s = 1 : "))
7  js = jp * s
8  print("Js = " + str(js), "cm")
9
10 print("Konversi 400.000 cm menjadi km")
11 km = float(input("km = "))
12 jrs = js / km
13 print("Jadi Jarak Sesungguhnya adalah : " + str(jrs), "km")
14 |
```

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

```
PS D:\TI\AI\Praktikum 4 Nomor 3> & 'C:\Users\User\AppData\Local\Programs\Python\Python39\python.exe' 'c:\Users\User\.vscode\extensions\ms-python.python-2021.10.1365161279\pythonFiles\lib\python\debugpy\launcher' '56924' '--' 'd:\TI\AI\Praktikum 4 Nomor 3\Konsep 2.py'

PROGRAM MENGHITUNG JARAK SESUNGGUHNYA
-----
Jp = 4
s = 1 : 100000
Js = 400000.0 cm
Konversi 400.000 cm menjadi km
km = 100000
Jadi Jarak Sesungguhnya adalah : 4.0 km
PS D:\TI\AI\Praktikum 4 Nomor 3> |
```