

Tabel Harga Bensin

Tabel Harga Bensin.py X Deret Geometri.py

Tabel Harga Bensin.py > ...

```
1 print("\n")
2
3 from prettytable import PrettyTable
4
5 satuan = 0
6 harga = 0
7
8 y = input("N = ")
9 N = int(y)
10
11 while satuan < N:
12     satuan = satuan + 0.5
13     harga = satuan * 1600
14
15     tabelharga = PrettyTable(["Satuan", "Harga"])
16     tabelharga.add_row([satuan, harga])
17     print(tabelharga)
18
19 print("\n")
```

PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE

Try the new cross-platform PowerShell [http](http://aka.ms/powershell)

PS D:\TI\AI\Tugas Praktikum Python 3> & 'python on.python-2021.11.1422169775\pythonFiles\l

N = 4

Satuan	Harga
0.5	800.0
1.0	1600.0
1.5	2400.0
2.0	3200.0
2.5	4000.0
3.0	4800.0

Deret Geometri

```
Tabel Harga Bensin.py  Deret Geometri.py X

Deret Geometri.py > ...
1  print("\n")
2
3  un = int(input("Banyak Suku      : "))
4  a  = float(input("Nilai awal    : "))
5  r  = float(input("Rasio        : "))
6
7  hasil = 0
8  for n in range(un+1):
9      suku = a*(r**(n-1))
10     hasil = hasil + suku
11     print(suku)
12
13     print("\nJumlah semua suku (Sn) = ", hasil)
14     print("\n")

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

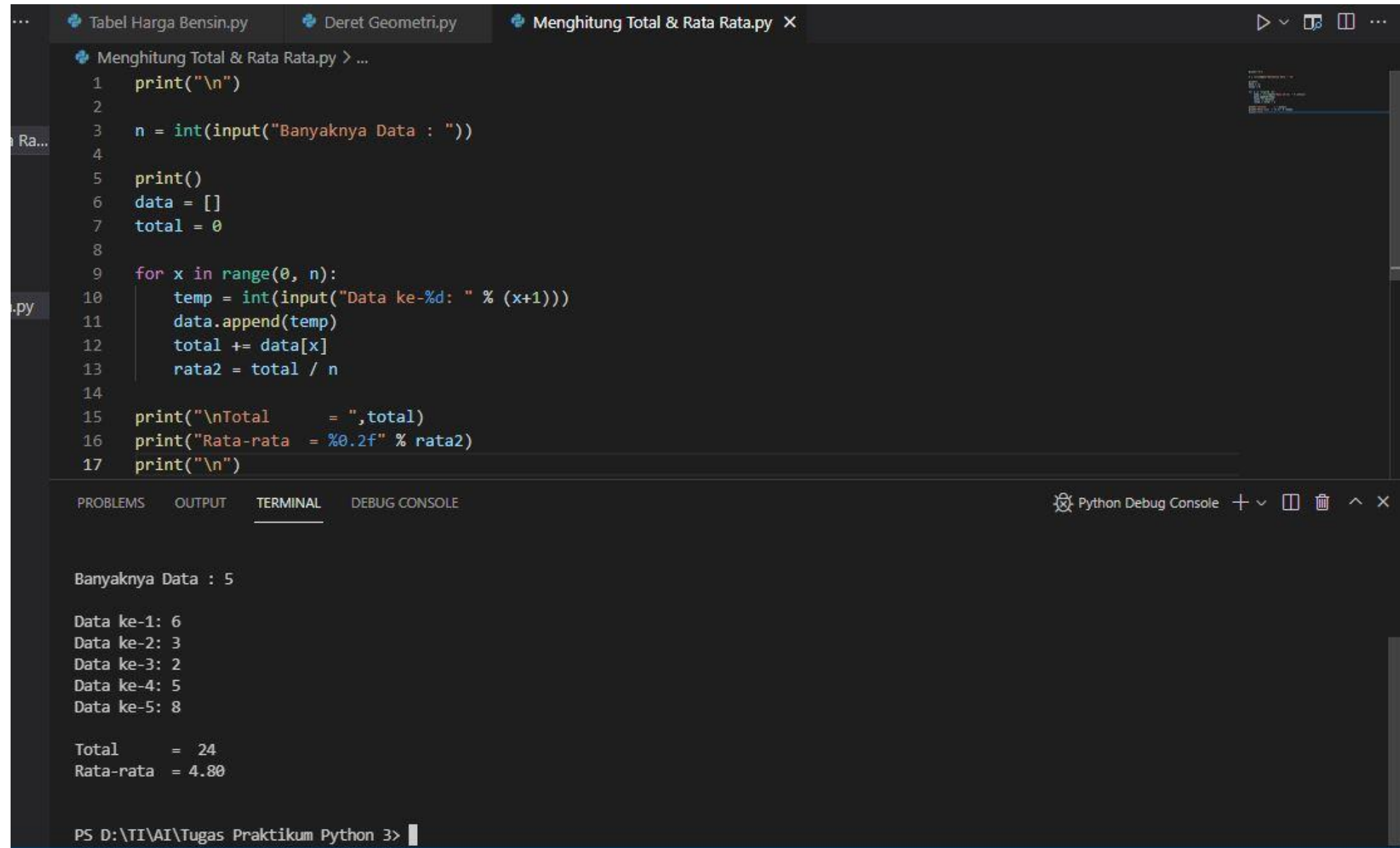
PS D:\TI\AI\Tugas Praktikum Python 3> & 'C:\Users\User\AppData\Local\Programs\Python\Python39\python.exe' 'c:\Users\User\.vscode\extensions\ms-python.python-2021.11.1422169775\pythonFiles\lib\python\debugpy\launcher' '60233' '--' 'd:\TI\AI\Tugas Praktikum Python 3\Deret Geometri.py'

Banyak Suku      : 5
Nilai awal       : 6
Rasio            : 3
2.0
6.0
18.0
54.0
162.0
486.0

Jumlah semua suku (Sn) = 728.0

PS D:\TI\AI\Tugas Praktikum Python 3> |
```

Menghitung Total & Rata - Rata



The screenshot shows a Python IDE with three tabs: 'Tabel Harga Bensin.py', 'Deret Geometri.py', and 'Menghitung Total & Rata Rata.py'. The active tab contains a Python script that prompts the user for the number of data points, then loops to collect 5 values. It calculates the total sum and the average, displaying the results at the end.

```
Menghitung Total & Rata Rata.py > ...
1  print("\n")
2
3  n = int(input("Banyaknya Data : "))
4
5  print()
6  data = []
7  total = 0
8
9  for x in range(0, n):
10     temp = int(input("Data ke-%d: " % (x+1)))
11     data.append(temp)
12     total += data[x]
13     rata2 = total / n
14
15  print("\nTotal      = ",total)
16  print("Rata-rata   = %0.2f" % rata2)
17  print("\n")
```

Below the code editor, the 'TERMINAL' pane shows the execution output:

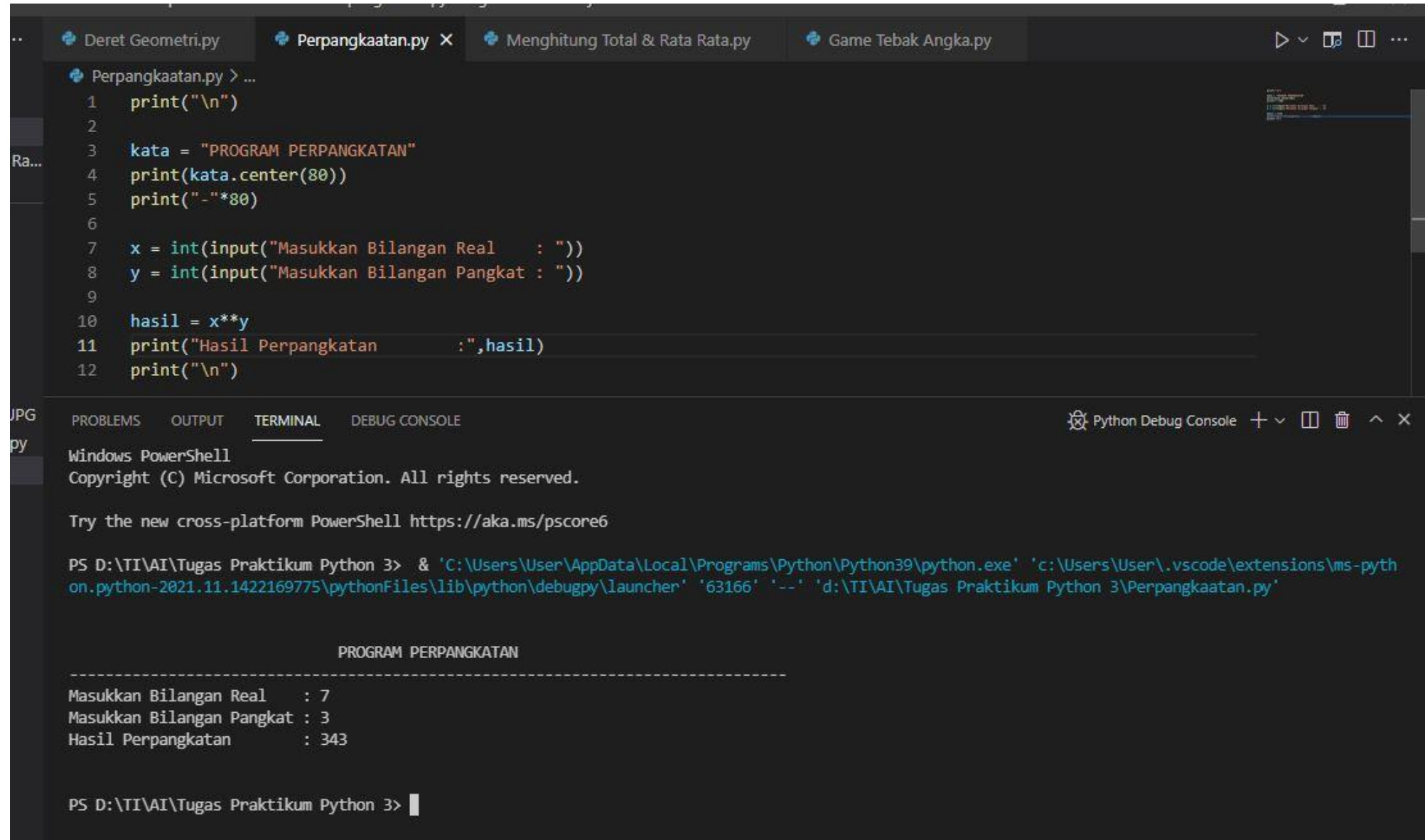
```
Banyaknya Data : 5

Data ke-1: 6
Data ke-2: 3
Data ke-3: 2
Data ke-4: 5
Data ke-5: 8

Total      = 24
Rata-rata  = 4.80

PS D:\TI\AI\Tugas Praktikum Python 3> |
```

Perpangkatan



The image shows a Visual Studio Code editor with a Python file named `Perpangkatan.py` open. The script calculates the power of a real number. Below the editor, the terminal shows the command to run the script and its output.

```
Deret Geometri.py  Perpangkatan.py X  Menghitung Total & Rata Rata.py  Game Tebak Angka.py
```

```
Perpangkatan.py > ...
1  print("\n")
2
3  kata = "PROGRAM PERPANGKATAN"
4  print(kata.center(80))
5  print("-"*80)
6
7  x = int(input("Masukkan Bilangan Real    : "))
8  y = int(input("Masukkan Bilangan Pangkat : "))
9
10 hasil = x**y
11 print("Hasil Perpangkatan      :",hasil)
12 print("\n")
```

PROBLEMS OUTPUT **TERMINAL** DEBUG CONSOLE

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

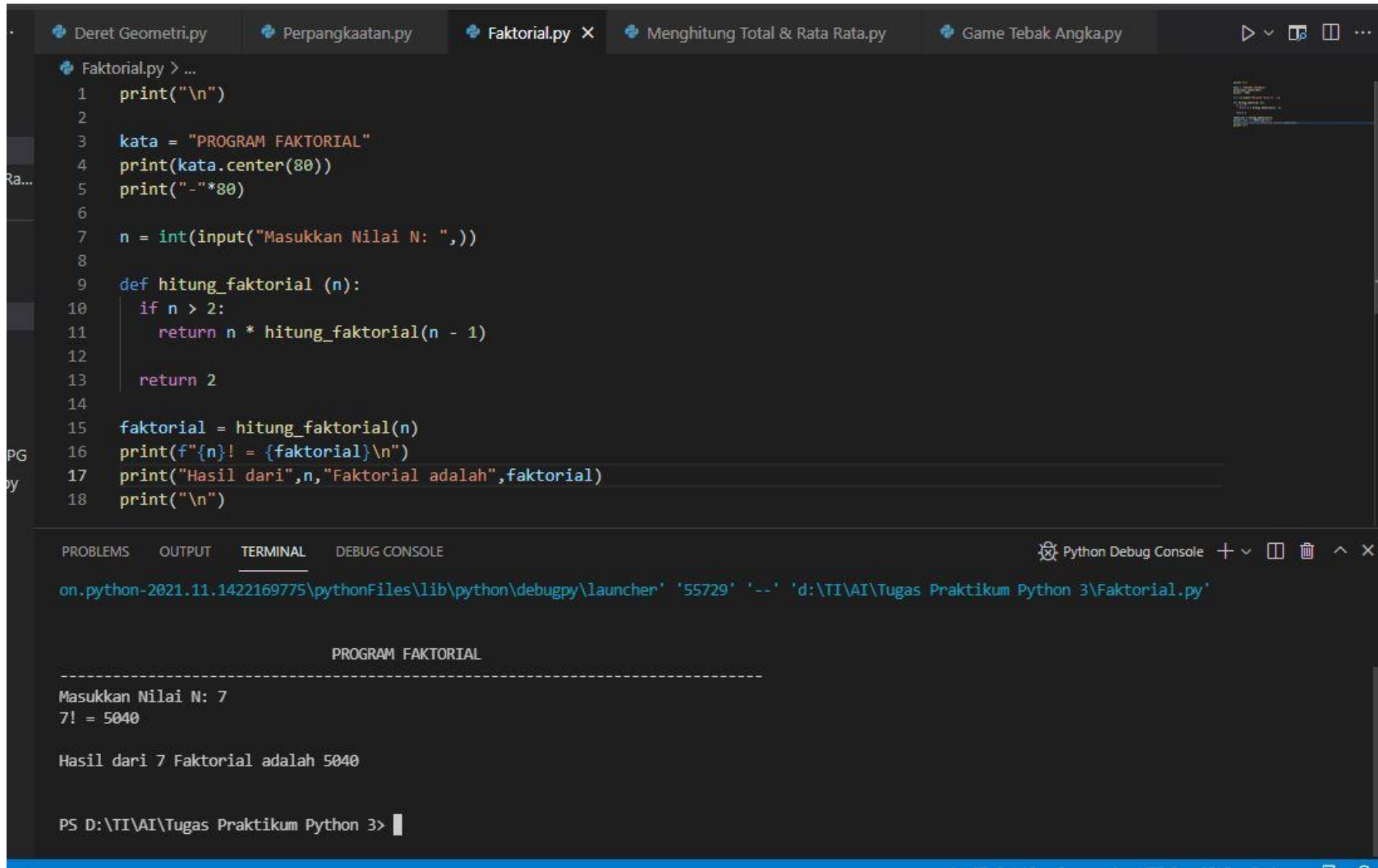
```
PS D:\TI\AI\Tugas Praktikum Python 3> & 'C:\Users\User\AppData\Local\Programs\Python\Python39\python.exe' 'c:\Users\User\.vscode\extensions\ms-python.python-2021.11.1422169775\pythonFiles\lib\python\debugpy\launcher' '63166' '--' 'd:\TI\AI\Tugas Praktikum Python 3\Perpangkatan.py'
```

```

                                PROGRAM PERPANGKATAN
-----
Masukkan Bilangan Real    : 7
Masukkan Bilangan Pangkat : 3
Hasil Perpangkatan      : 343

PS D:\TI\AI\Tugas Praktikum Python 3> 
```

Faktorial (!)



The screenshot shows a Python IDE with several tabs: 'Deret Geometri.py', 'Perpangkatan.py', 'Faktorial.py' (active), 'Menghitung Total & Rata Rata.py', and 'Game Tebak Angka.py'. The 'Faktorial.py' tab contains the following code:

```
1 print("\n")
2
3 kata = "PROGRAM FAKTORIAL"
4 print(kata.center(80))
5 print("-"*80)
6
7 n = int(input("Masukkan Nilai N: "))
8
9 def hitung_faktorial (n):
10     if n > 2:
11         return n * hitung_faktorial(n - 1)
12
13     return 2
14
15 faktorial = hitung_faktorial(n)
16 print(f"{n}! = {faktorial}\n")
17 print("Hasil dari",n,"Faktorial adalah",faktorial)
18 print("\n")
```

Below the code editor is a terminal window with the following output:

```
on.python-2021.11.1422169775\pythonFiles\lib\python\debugpy\launcher' '55729' '--' 'd:\TI\AI\Tugas Praktikum Python 3\Faktorial.py'

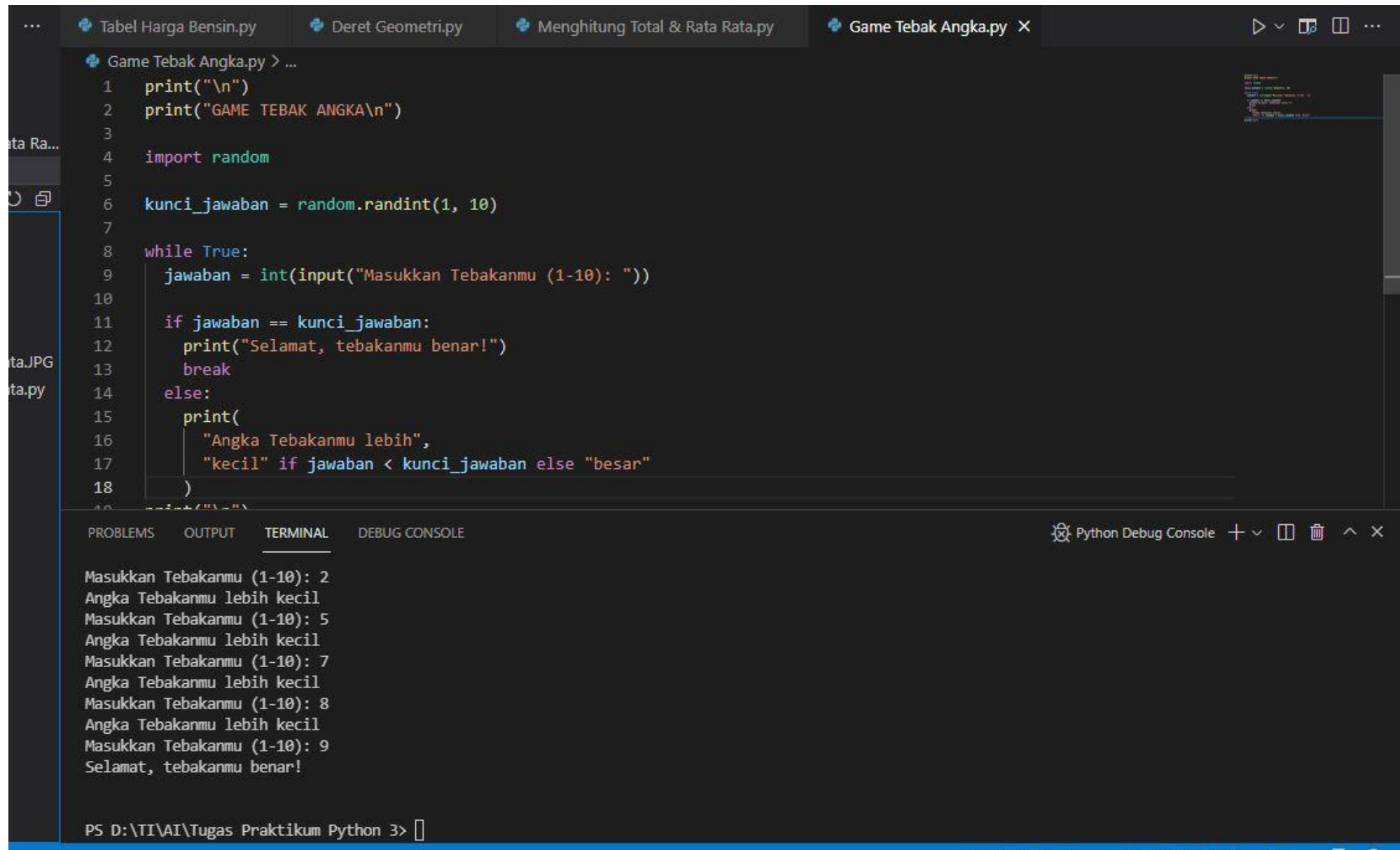
PROGRAM FAKTORIAL
-----
Masukkan Nilai N: 7
7! = 5040

Hasil dari 7 Faktorial adalah 5040

PS D:\TI\AI\Tugas Praktikum Python 3>
```

The terminal output shows the program's execution, including the centered title 'PROGRAM FAKTORIAL', a separator line of dashes, the input prompt 'Masukkan Nilai N: 7', the calculation result '7! = 5040', and the final output 'Hasil dari 7 Faktorial adalah 5040'. The prompt 'PS D:\TI\AI\Tugas Praktikum Python 3>' indicates the command prompt is ready for further input.

Game Tebak Angka



The image shows a Python IDE with a file explorer on the left and a terminal at the bottom. The file explorer shows several files: 'Tabel Harga Bensin.py', 'Deret Geometri.py', 'Menghitung Total & Rata Rata.py', and 'Game Tebak Angka.py'. The 'Game Tebak Angka.py' file is open in the editor, showing a Python script for a number guessing game. The script generates a random number between 1 and 10 and prompts the user to guess. It provides feedback on whether the guess is too small, too large, or correct. The terminal shows the execution of the script, with the user making several incorrect guesses before finally guessing correctly and receiving a congratulatory message.

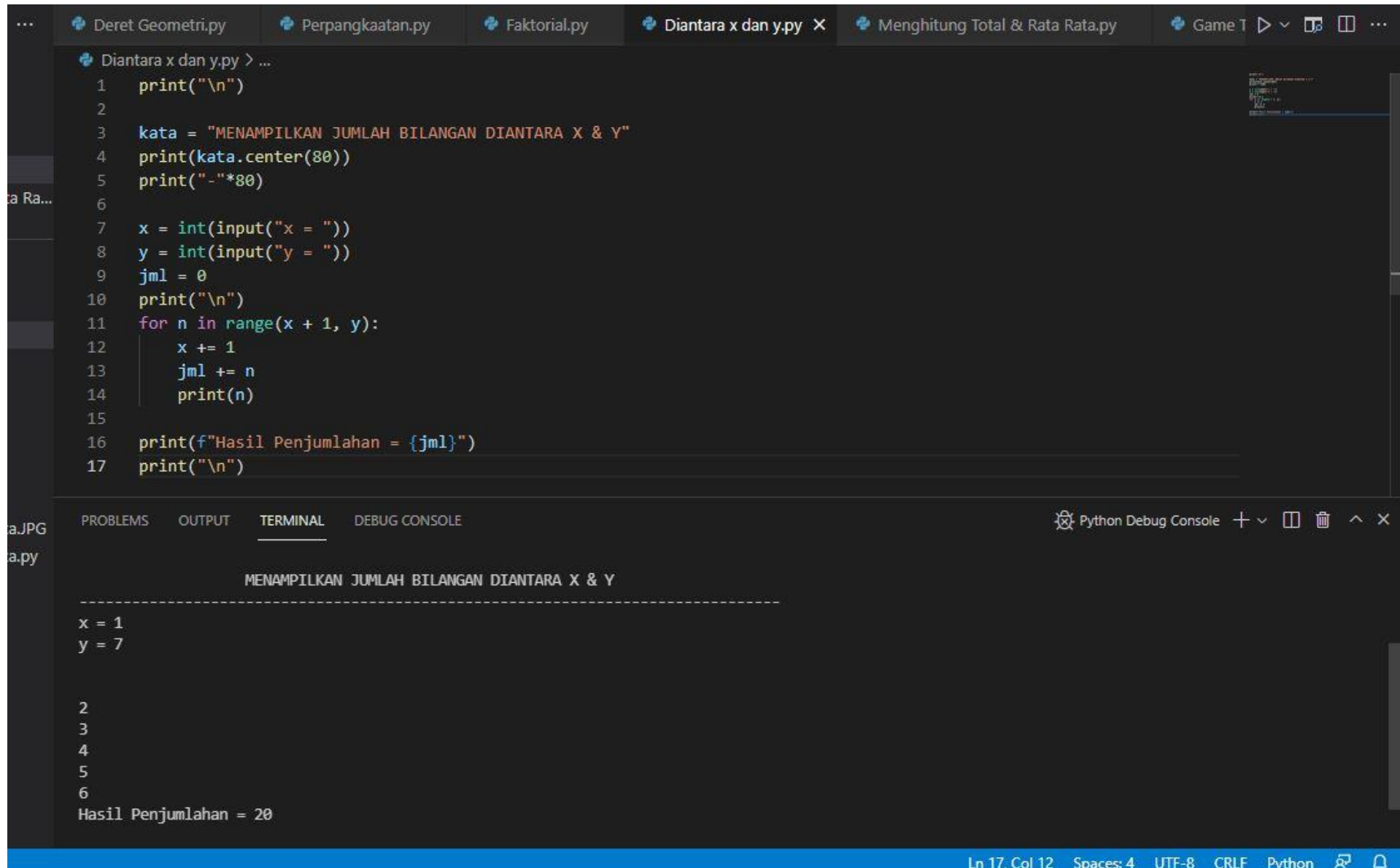
```
Game Tebak Angka.py > ...
1  print("\n")
2  print("GAME TEBAK ANGKA\n")
3
4  import random
5
6  kunci_jawaban = random.randint(1, 10)
7
8  while True:
9      jawaban = int(input("Masukkan Tebakanmu (1-10): "))
10
11     if jawaban == kunci_jawaban:
12         print("Selamat, tebakamu benar!")
13         break
14     else:
15         print(
16             "Angka Tebakanmu lebih",
17             "kecil" if jawaban < kunci_jawaban else "besar"
18         )
19
20     print("\n")
```

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

```
Masukkan Tebakanmu (1-10): 2
Angka Tebakanmu lebih kecil
Masukkan Tebakanmu (1-10): 5
Angka Tebakanmu lebih kecil
Masukkan Tebakanmu (1-10): 7
Angka Tebakanmu lebih kecil
Masukkan Tebakanmu (1-10): 8
Angka Tebakanmu lebih kecil
Masukkan Tebakanmu (1-10): 9
Selamat, tebakamu benar!
```

PS D:\TI\AI\Tugas Praktikum Python 3> []

Menjumlahkan Bilangan diantara X dan Y



```
Deret Geometri.py  Perpangkatan.py  Faktorial.py  Diantara x dan y.py X  Menghitung Total & Rata Rata.py  Game T  ...

Diantara x dan y.py > ...
1  print("\n")
2
3  kata = "MENAMPILKAN JUMLAH BILANGAN DIANTARA X & Y"
4  print(kata.center(80))
5  print("-"*80)
6
7  x = int(input("x = "))
8  y = int(input("y = "))
9  jml = 0
10 print("\n")
11 for n in range(x + 1, y):
12     x += 1
13     jml += n
14     print(n)
15
16 print(f"Hasil Penjumlahan = {jml}")
17 print("\n")

PROBLEMS  OUTPUT  TERMINAL  DEBUG CONSOLE
Python Debug Console

MENAMPILKAN JUMLAH BILANGAN DIANTARA X & Y
-----
x = 1
y = 7

2
3
4
5
6
Hasil Penjumlahan = 20

Ln 17, Col 12  Spaces: 4  UTF-8  CRLF  Python
```

Program Berbentuk

```
Deret Geometri.py  Perpangkatan.py  Faktorial.py  Program Menampilkan Bentuk.py > ...
1  print("\n8.a")
2  n = int(input("Nilai N = "))
3
4  for x in range(0,15):
5      print(x)
6
7  print("\n8.b")
8  x = " "
9  for y in range (6):
10     x += str(y)+" "
11     print(x)
12
13  print("\n8.c")
14  for x in range (1,n+1):
15     for y in range(1,n+1):
16         print(y, end=" ")
17
18     print()
19     n -= 1
20
21  print("\n8.d")
22  for x in range(1,13):
23     print(x)
24
25  print("\n8.e")
26  n = int(input("Nilai N = "))
27  for x in range (1, n+1):
28     for y in range (x+n):
29         print(x*y, end=" ")
30     print(" ")
31
```

PROBLEMS OUTPUT **TERMINAL** DEBUlkan Bentuk.py X Mengh ▶ ▢ ...

8.a
Nilai N = 5
0
1
2
3
4
5
6
7
8
9
10
11
12
13
14

8.b
0
0 1
0 1 2
0 1 2 3
0 1 2 3 4
0 1 2 3 4 5

8.c
1 2 3 4 5
1 2 3 4
1 2 3
1 2
1

8.d
1
2
3
4
5
6
7
8
9
10
11
12

8.e
Nilai N = 5
0 1 2 3 4 5
0 2 4 6 8 10 12
0 3 6 9 12 15 18 21
0 4 8 12 16 20 24 28 32
0 5 10 15 20 25 30 35 40 45
PS D:\TI\AI\Tugas Praktikum Python 3> |