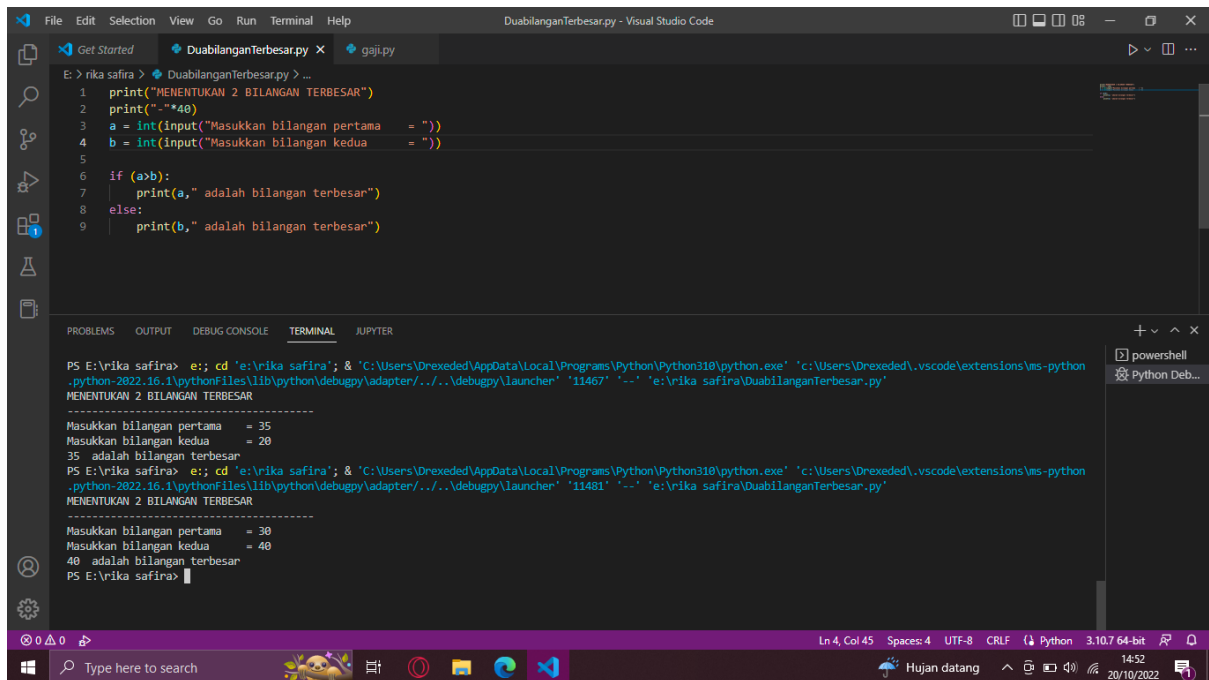


NAMA : RIKA SAFIRA

NIM : 19.01.013.125

BOOK PRAKTIKUM II

1). MENENTUKAN 2 BILANGAN TERBESAR

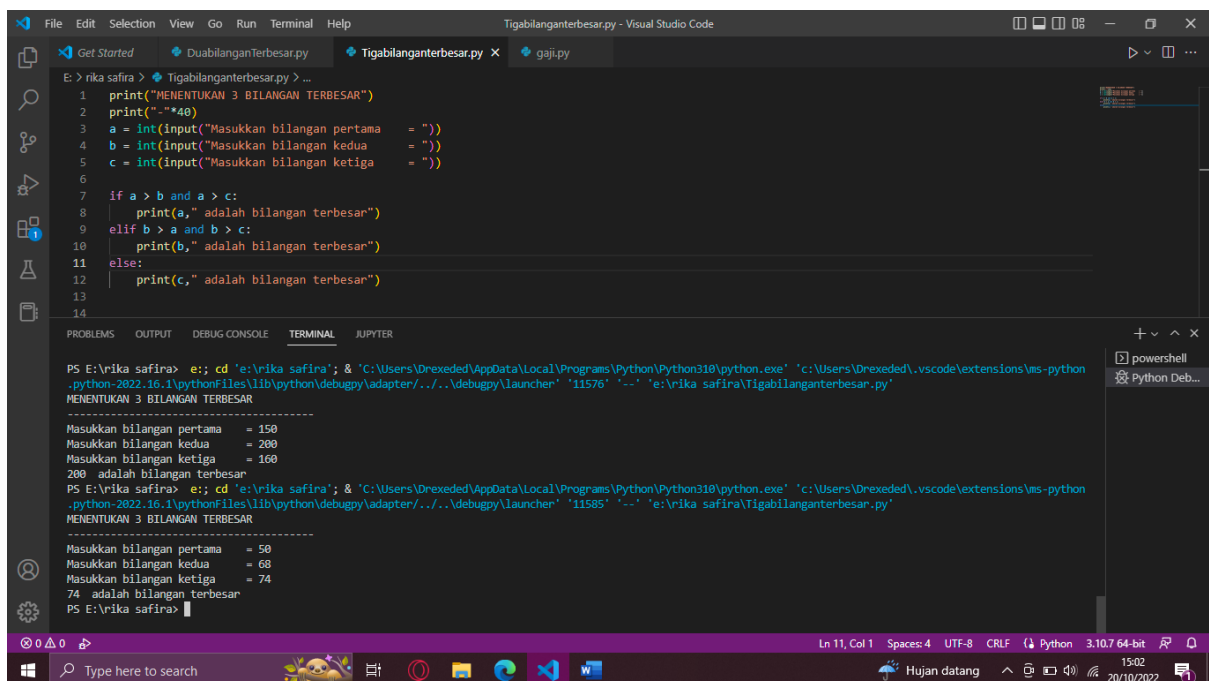


The screenshot shows the Visual Studio Code interface with a file named `DuabilanganTerbesar.py` open. The code is a Python script that prompts the user to enter two numbers and prints the larger one. The terminal shows the script being executed twice. In the first run, the user enters 35 and 20, and the output is 35. In the second run, the user enters 30 and 40, and the output is 40.

```
1 print("MENENTUKAN 2 BILANGAN TERBESAR")
2 print("-"*40)
3 a = int(input("Masukkan bilangan pertama = "))
4 b = int(input("Masukkan bilangan kedua = "))
5
6 if (a>b):
7     print(a," adalah bilangan terbesar")
8 else:
9     print(b," adalah bilangan terbesar")
```

```
PS E:\rika safira> e;; cd 'e:\rika safira'; & 'C:\Users\Drexed\AppData\Local\Programs\Python\Python310\python.exe' 'c:\Users\Drexed\.vscode\extensions\ms-python.python-2022.16.1\pythonFiles\lib\python\debugpy\adapter\..\..\debugpy\launcher' '11467' '--' 'e:\rika safira\DuabilanganTerbesar.py'
MENENTUKAN 2 BILANGAN TERBESAR
-----
Masukkan bilangan pertama = 35
Masukkan bilangan kedua = 20
35 adalah bilangan terbesar
PS E:\rika safira> e;; cd 'e:\rika safira'; & 'C:\Users\Drexed\AppData\Local\Programs\Python\Python310\python.exe' 'c:\Users\Drexed\.vscode\extensions\ms-python.python-2022.16.1\pythonFiles\lib\python\debugpy\adapter\..\..\debugpy\launcher' '11481' '--' 'e:\rika safira\DuabilanganTerbesar.py'
MENENTUKAN 2 BILANGAN TERBESAR
-----
Masukkan bilangan pertama = 30
Masukkan bilangan kedua = 40
40 adalah bilangan terbesar
PS E:\rika safira>
```

3). MENENTUKAN 3 BILANGAN TERBESAR

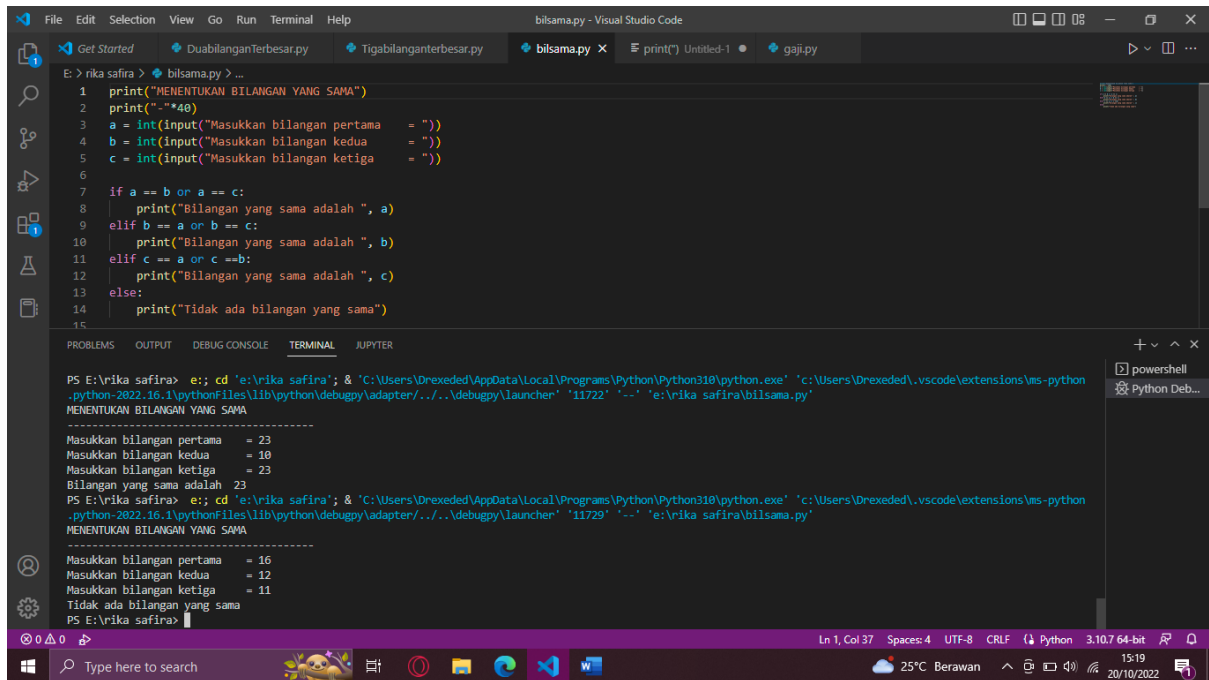


The screenshot shows the Visual Studio Code interface with a file named `TigabilanganTerbesar.py` open. The code is a Python script that prompts the user to enter three numbers and prints the largest one. The terminal shows the script being executed twice. In the first run, the user enters 150, 200, and 160, and the output is 200. In the second run, the user enters 50, 68, and 74, and the output is 74.

```
1 print("MENENTUKAN 3 BILANGAN TERBESAR")
2 print("-"*40)
3 a = int(input("Masukkan bilangan pertama = "))
4 b = int(input("Masukkan bilangan kedua = "))
5 c = int(input("Masukkan bilangan ketiga = "))
6
7 if a > b and a > c:
8     print(a," adalah bilangan terbesar")
9 elif b > a and b > c:
10    print(b," adalah bilangan terbesar")
11 else:
12    print(c," adalah bilangan terbesar")
13
14
```

```
PS E:\rika safira> e;; cd 'e:\rika safira'; & 'C:\Users\Drexed\AppData\Local\Programs\Python\Python310\python.exe' 'c:\Users\Drexed\.vscode\extensions\ms-python.python-2022.16.1\pythonFiles\lib\python\debugpy\adapter\..\..\debugpy\launcher' '11576' '--' 'e:\rika safira\TigabilanganTerbesar.py'
MENENTUKAN 3 BILANGAN TERBESAR
-----
Masukkan bilangan pertama = 150
Masukkan bilangan kedua = 200
Masukkan bilangan ketiga = 160
200 adalah bilangan terbesar
PS E:\rika safira> e;; cd 'e:\rika safira'; & 'C:\Users\Drexed\AppData\Local\Programs\Python\Python310\python.exe' 'c:\Users\Drexed\.vscode\extensions\ms-python.python-2022.16.1\pythonFiles\lib\python\debugpy\adapter\..\..\debugpy\launcher' '11585' '--' 'e:\rika safira\TigabilanganTerbesar.py'
MENENTUKAN 3 BILANGAN TERBESAR
-----
Masukkan bilangan pertama = 50
Masukkan bilangan kedua = 68
Masukkan bilangan ketiga = 74
74 adalah bilangan terbesar
PS E:\rika safira>
```

3). MENENTUKAN BILANGAN YANG SAMA



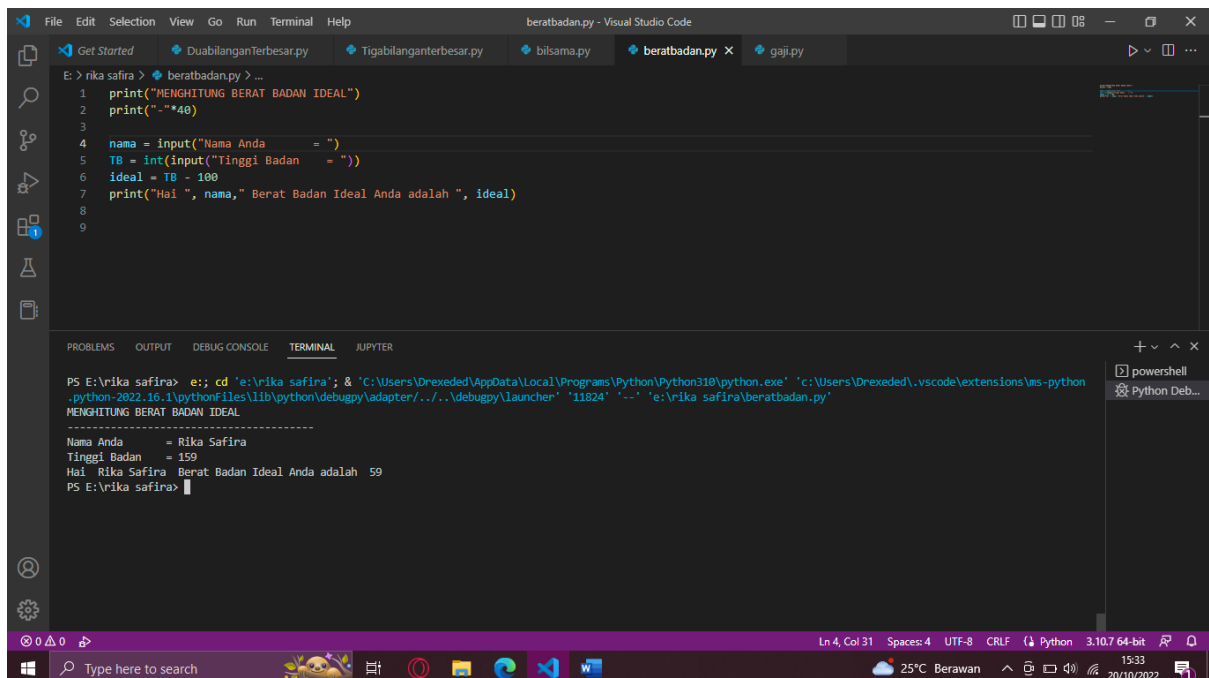
```
File Edit Selection View Go Run Terminal Help
bilsama.py - Visual Studio Code

E: > nika safira > bilsama.py > ...
1 print("MENENTUKAN BILANGAN YANG SAMA")
2 print("-"*40)
3 a = int(input("Masukkan bilangan pertama = "))
4 b = int(input("Masukkan bilangan kedua = "))
5 c = int(input("Masukkan bilangan ketiga = "))
6
7 if a == b or a == c:
8     print("Bilangan yang sama adalah ", a)
9 elif b == a or b == c:
10    print("Bilangan yang sama adalah ", b)
11 elif c == a or c == b:
12    print("Bilangan yang sama adalah ", c)
13 else:
14    print("Tidak ada bilangan yang sama")
15

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL JUPYTER

PS E:\nika safira> e.; cd 'e:\nika safira'; & 'C:\Users\Drexed\AppData\Local\Programs\Python\Python310\python.exe' 'c:\Users\Drexed\.vscode\extensions\ms-python
.python-2022.16.1\pythonFiles\lib\python\debugpy\adapter\..\..\debugpy\launcher' '11722' '--' 'e:\nika safira\bilsama.py'
MENENTUKAN BILANGAN YANG SAMA
-----
Masukkan bilangan pertama = 23
Masukkan bilangan kedua = 10
Masukkan bilangan ketiga = 23
Bilangan yang sama adalah 23
PS E:\nika safira> e.; cd 'e:\nika safira'; & 'C:\Users\Drexed\AppData\Local\Programs\Python\Python310\python.exe' 'c:\Users\Drexed\.vscode\extensions\ms-python
.python-2022.16.1\pythonFiles\lib\python\debugpy\adapter\..\..\debugpy\launcher' '11729' '--' 'e:\nika safira\bilsama.py'
MENENTUKAN BILANGAN YANG SAMA
-----
Masukkan bilangan pertama = 16
Masukkan bilangan kedua = 12
Masukkan bilangan ketiga = 11
Tidak ada bilangan yang sama
PS E:\nika safira>
```

4). MENGHITUNG BERAT BADAN IDEAL



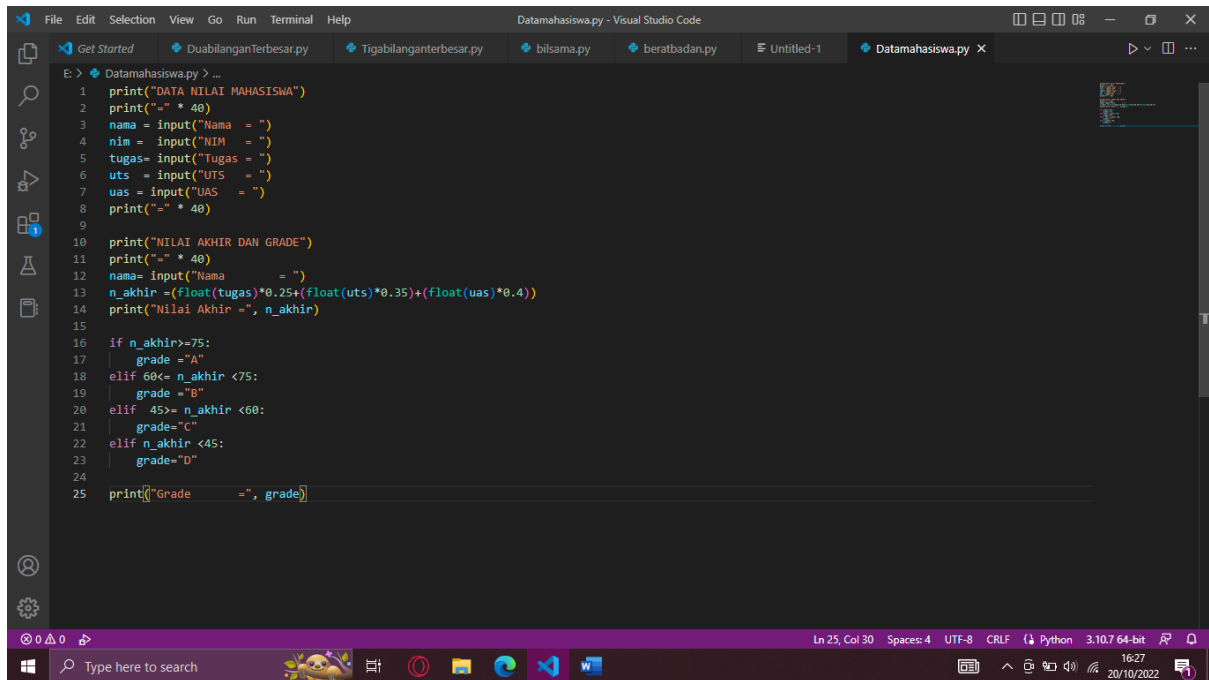
```
File Edit Selection View Go Run Terminal Help
beratbadan.py - Visual Studio Code

E: > nika safira > beratbadan.py > ...
1 print("MENGHITUNG BERAT BADAN IDEAL")
2 print("-"*40)
3
4 nama = input("Nama Anda = ")
5 TB = int(input("Tinggi Badan = "))
6 ideal = TB - 100
7 print("Hai ", nama, " Berat Badan Ideal Anda adalah ", ideal)
8
9

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL JUPYTER

PS E:\nika safira> e.; cd 'e:\nika safira'; & 'C:\Users\Drexed\AppData\Local\Programs\Python\Python310\python.exe' 'c:\Users\Drexed\.vscode\extensions\ms-python
.python-2022.16.1\pythonFiles\lib\python\debugpy\adapter\..\..\debugpy\launcher' '11824' '--' 'e:\nika safira\beratbadan.py'
MENGHITUNG BERAT BADAN IDEAL
-----
Nama Anda = Rika Safira
Tinggi Badan = 159
Hai Rika Safira Berat Badan Ideal Anda adalah 59
PS E:\nika safira>
```

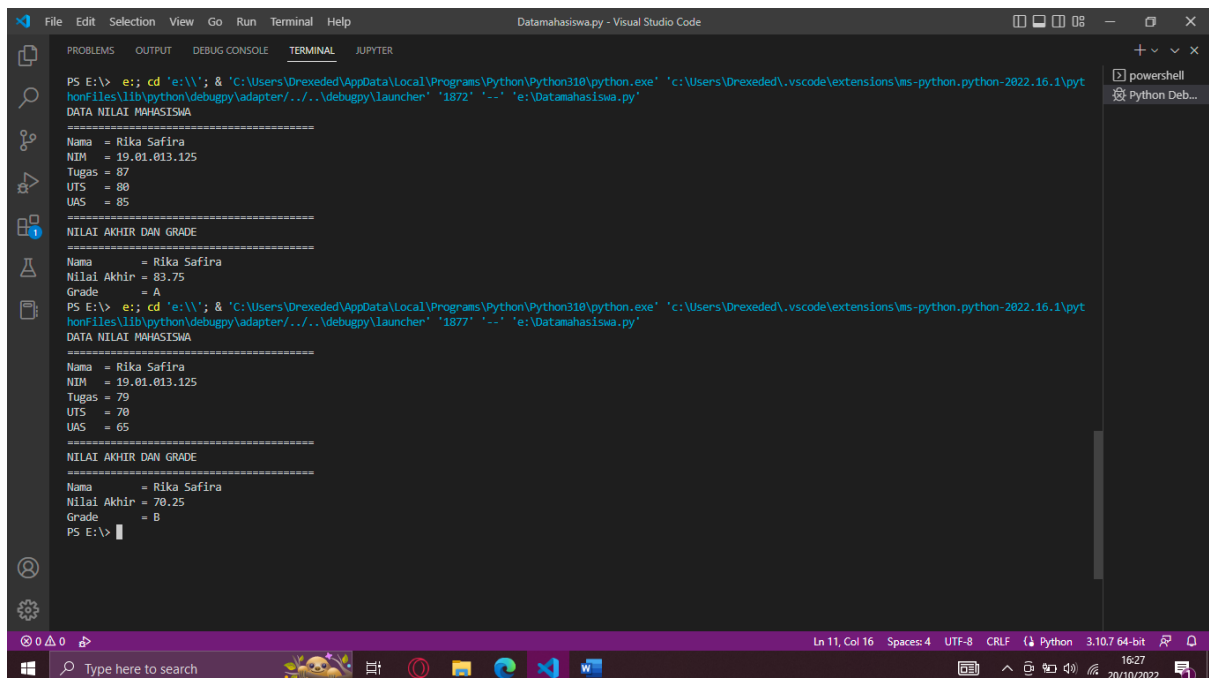
5). DATA NILAI MAHASISWA



The screenshot shows the Visual Studio Code editor with the file `Datamahasiswa.py` open. The script is a Python program that takes student data as input and calculates their final grade. The code is as follows:

```
1 print("DATA NILAI MAHASISWA")
2 print("-" * 40)
3 nama = input("Nama = ")
4 nim = input("NIM = ")
5 tugas = input("Tugas = ")
6 uts = input("UTS = ")
7 uas = input("UAS = ")
8 print("-" * 40)
9
10 print("NILAI AKHIR DAN GRADE")
11 print("-" * 40)
12 nama = input("Nama = ")
13 n_akhir = (float(tugas)*0.25+(float(uts)*0.35)+(float(uas)*0.4))
14 print("Nilai Akhir =", n_akhir)
15
16 if n_akhir>=75:
17     grade = "A"
18 elif 60<= n_akhir <75:
19     grade = "B"
20 elif 45>= n_akhir <60:
21     grade = "C"
22 elif n_akhir <45:
23     grade = "D"
24
25 print(f"Grade      =", grade)
```

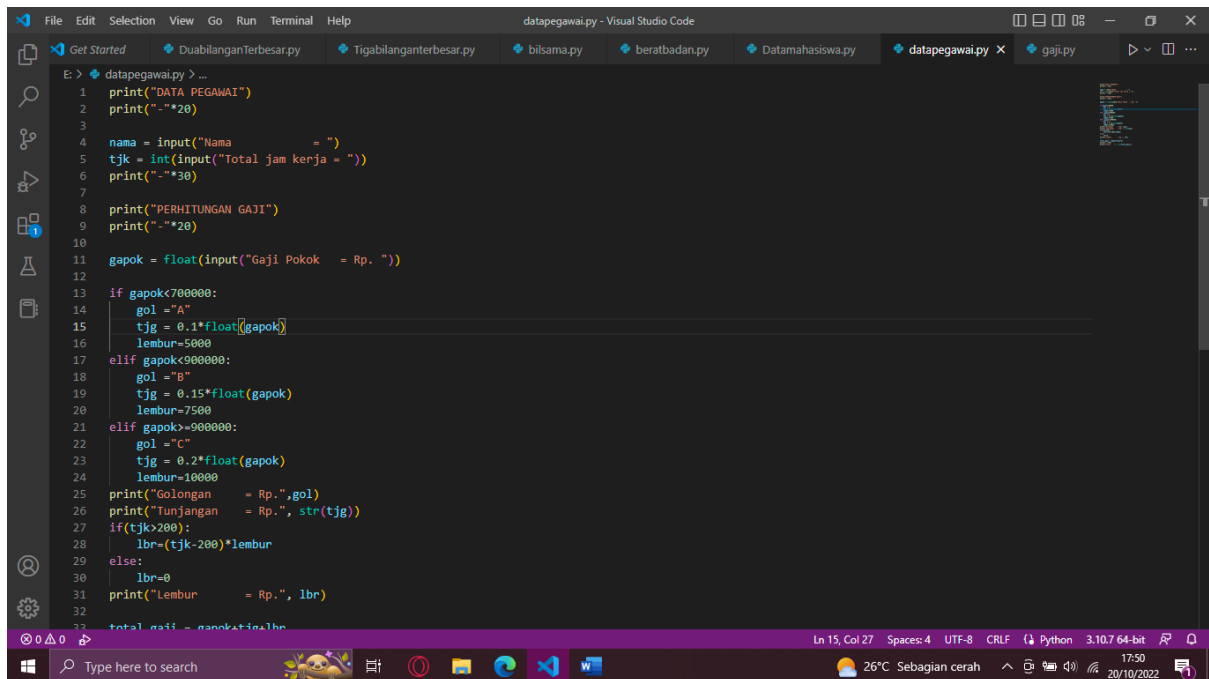
➤ HASIL



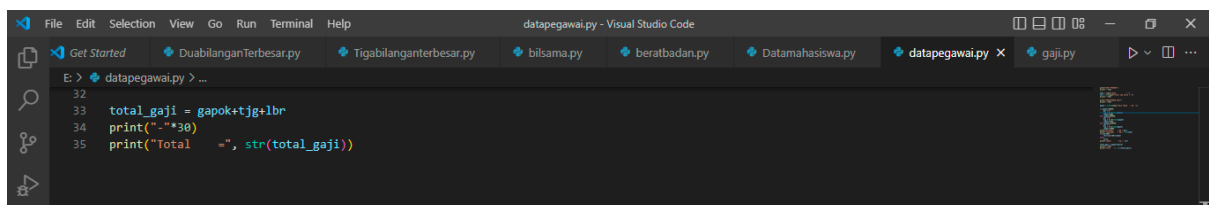
The screenshot shows the terminal output of the `Datamahasiswa.py` script. The script is executed twice, each time with different input values. The output is as follows:

```
PS E:\> e; cd 'e:\'; & 'C:\Users\Drexed\AppData\Local\Programs\Python\Python310\python.exe' 'c:\Users\Drexed\.vscode\extensions\ms-python.python-2022.16.1\pythonFiles\lib\python\debugpy\adapter\..\..\debugpy\launcher' '1872' '--' 'e:\Datamahasiswa.py'
DATA NILAI MAHASISWA
=====
Nama = Rika Safira
NIM = 19.01.013.125
Tugas = 87
UTS = 80
UAS = 85
=====
NILAI AKHIR DAN GRADE
=====
Nama = Rika Safira
Nilai Akhir = 83.75
Grade = A
PS E:\> e; cd 'e:\'; & 'C:\Users\Drexed\AppData\Local\Programs\Python\Python310\python.exe' 'c:\Users\Drexed\.vscode\extensions\ms-python.python-2022.16.1\pythonFiles\lib\python\debugpy\adapter\..\..\debugpy\launcher' '1877' '--' 'e:\Datamahasiswa.py'
DATA NILAI MAHASISWA
=====
Nama = Rika Safira
NIM = 19.01.013.125
Tugas = 79
UTS = 70
UAS = 65
=====
NILAI AKHIR DAN GRADE
=====
Nama = Rika Safira
Nilai Akhir = 70.25
Grade = B
PS E:\>
```

6). DATA PEGAWAI

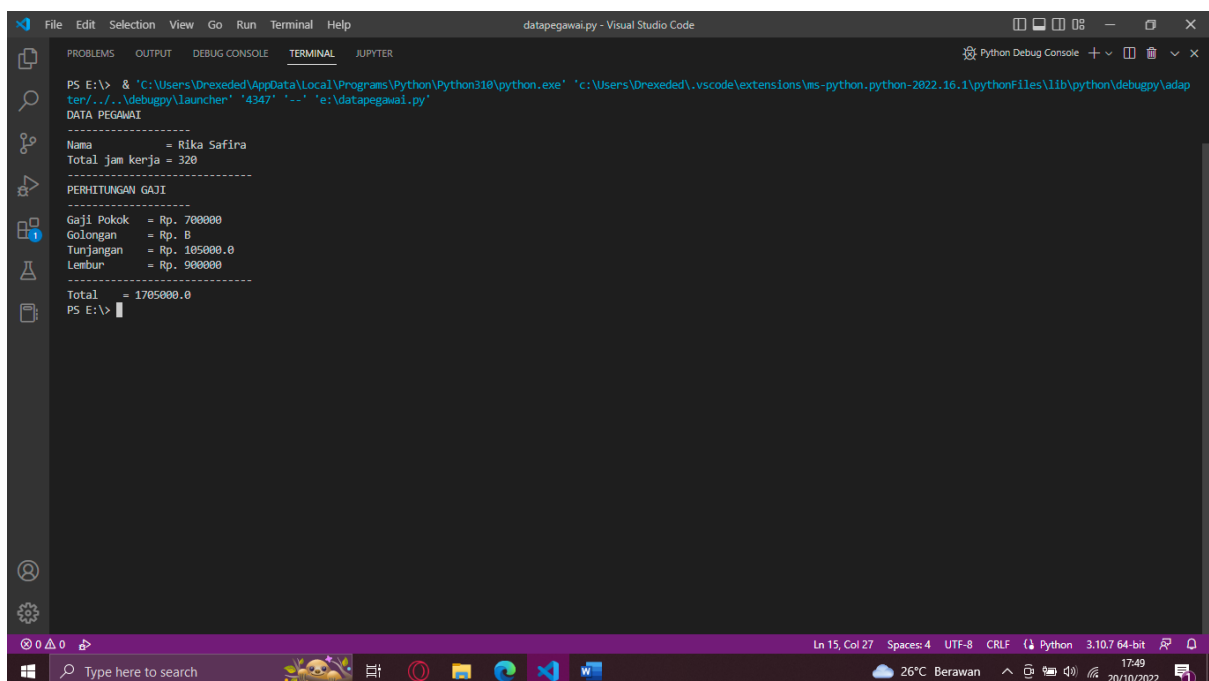


```
E:\> datapegawai.py > ...
1 print("DATA PEGAWAI")
2 print("-"*20)
3
4 nama = input("Nama          = ")
5 tjk = int(input("Total jam kerja = "))
6 print("-"*30)
7
8 print("PERHITUNGAN GAJI")
9 print("-"*20)
10
11 gapok = float(input("Gaji Pokok   = Rp. "))
12
13 if gapok<700000:
14     gol = "A"
15     tjjg = 0.1*float(gapok)
16     lembur=5000
17 elif gapok<900000:
18     gol = "B"
19     tjjg = 0.15*float(gapok)
20     lembur=7500
21 elif gapok>=900000:
22     gol = "C"
23     tjjg = 0.2*float(gapok)
24     lembur=10000
25 print("Golongan      = Rp.",gol)
26 print("Tunjangan     = Rp.", str(tjjg))
27 if(tjk>200):
28     lbr=(tjk-200)*lembur
29 else:
30     lbr=0
31 print("Lembur        = Rp.", lbr)
32
33 total_gaji = gapok+tjjg+lbr
```



```
32
33 total_gaji = gapok+tjjg+lbr
34 print("-"*30)
35 print("Total          = ", str(total_gaji))
```

➤ HASIL



```
PS E:\> & "C:\Users\Dnrexed\AppData\Local\Programs\Python\Python310\python.exe" "c:\Users\Dnrexed\.vscode\extensions\ms-python.python-2022.16.1\pythonFiles\lib\python\debugpy\adap
ter\..\..\debugpy\launcher" "4347" "--" "e:\datapegawai.py"
DATA PEGAWAI
-----
Nama          = Rika Safira
Total jam kerja = 320
-----
PERHITUNGAN GAJI
-----
Gaji Pokok     = Rp. 700000
Golongan       = Rp. B
Tunjangan      = Rp. 105000.0
Lembur         = Rp. 900000
-----
Total          = 1705000.0
PS E:\>
```