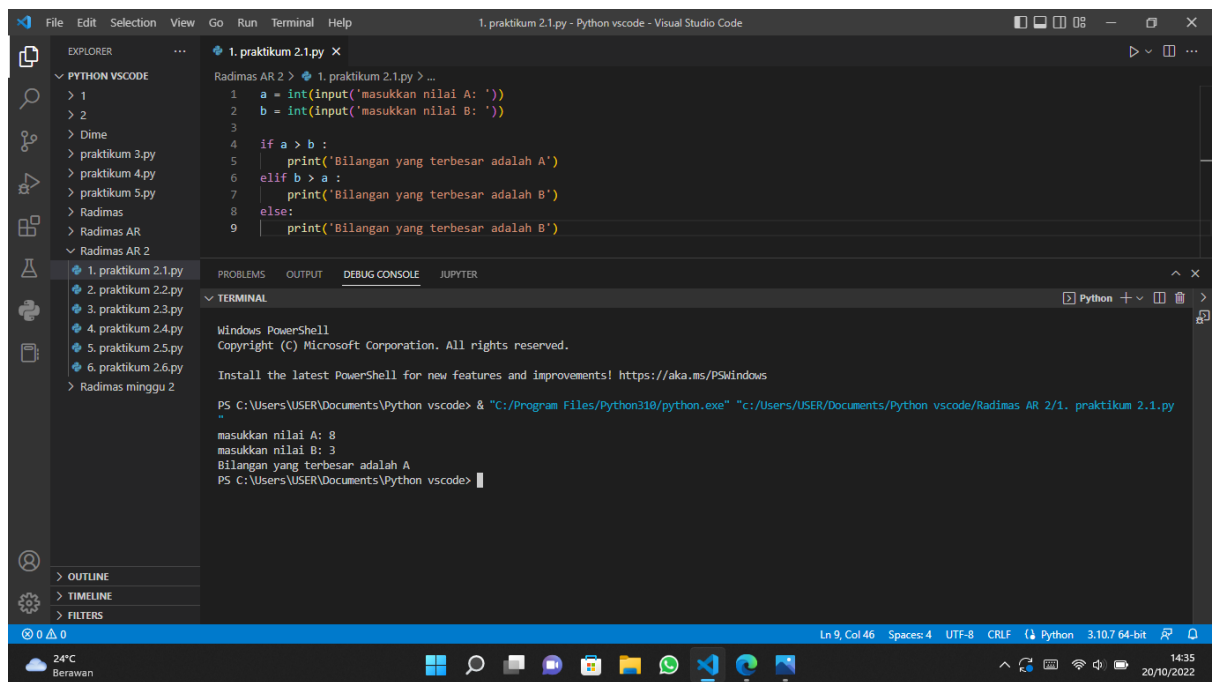


Nama : Radimas Audisyah Rahmana
Nim : 211001011
Kelas : D

➤ Praktikum 2

1. Praktikum 2.1



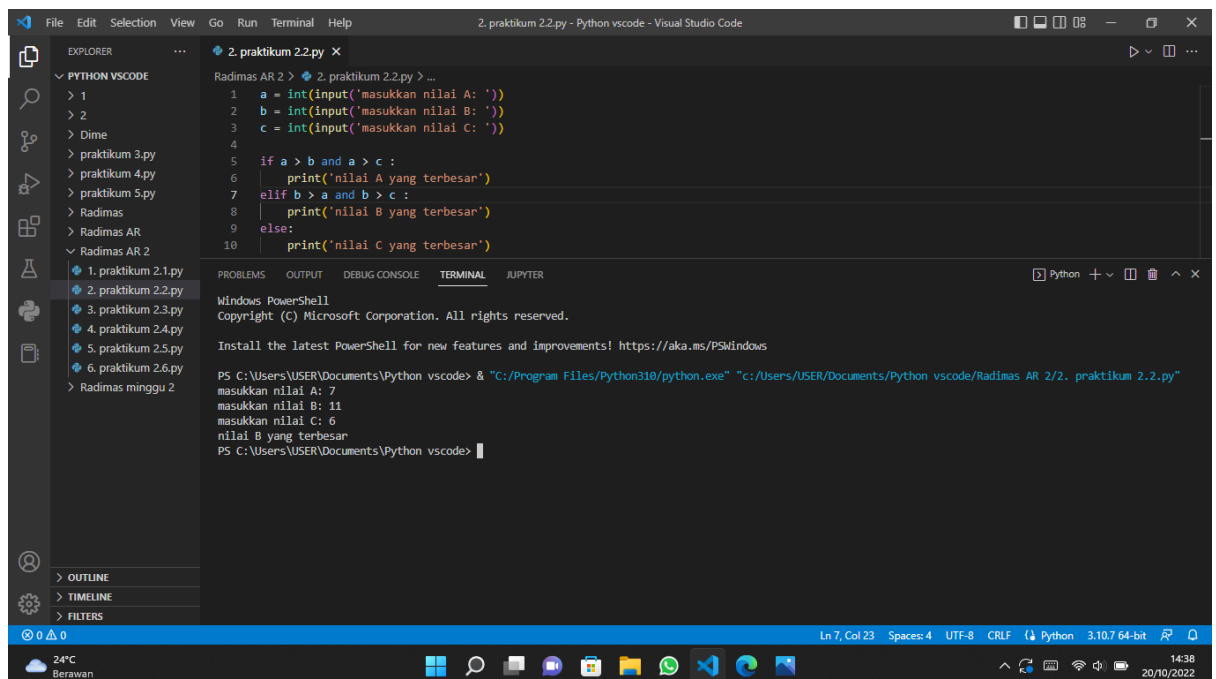
The screenshot shows the Visual Studio Code interface with a Python file named '1.praktikum 2.1.py' open. The code in the editor is as follows:

```
1 a = int(input('masukkan nilai A: '))
2 b = int(input('masukkan nilai B: '))
3
4 if a > b :
5     print('Bilangan yang terbesar adalah A')
6 elif b > a :
7     print('Bilangan yang terbesar adalah B')
8 else:
9     print('Bilangan yang terbesar adalah B')
```

The terminal window at the bottom shows the command prompt output:

```
PS C:\Users\USER\Documents\Python vscode> & "C:/Program Files/Python310/python.exe" "c:/Users/USER/Documents/Python vscode/Radimas AR 2/1. praktikum 2.1.py"
masukkan nilai A: 8
masukkan nilai B: 3
Bilangan yang terbesar adalah A
PS C:\Users\USER\Documents\Python vscode>
```

2. Praktikum 2.2



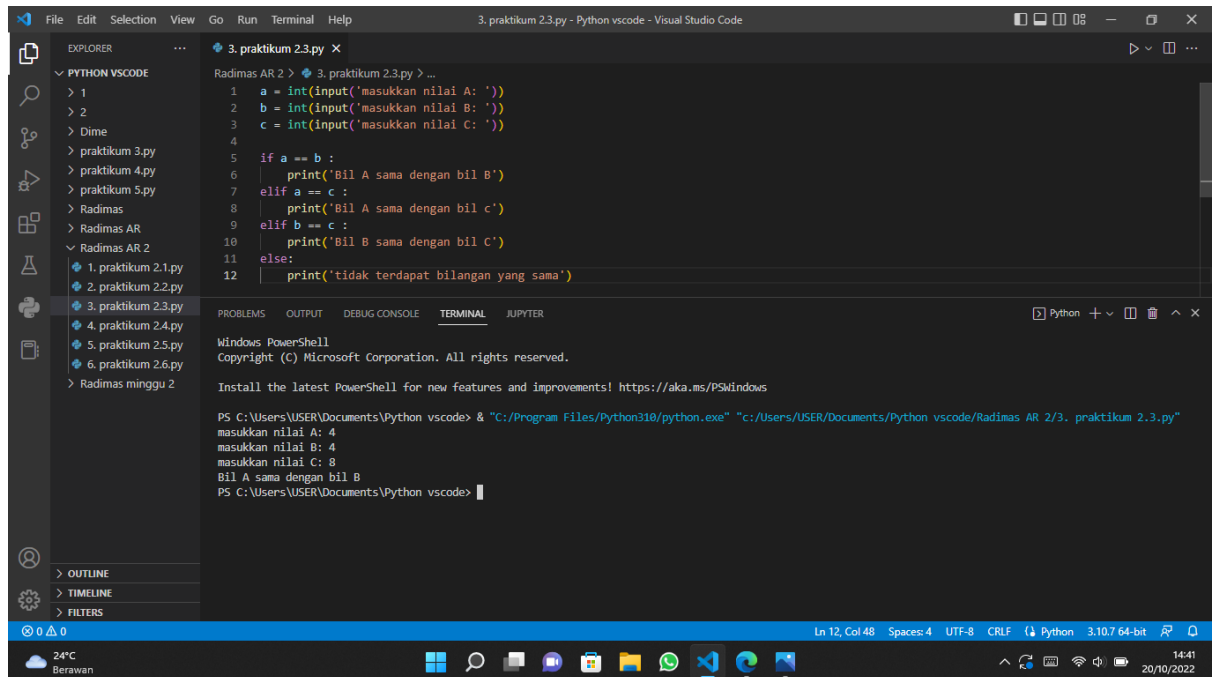
The screenshot shows the Visual Studio Code interface with a Python file named '2.praktikum 2.2.py' open. The code in the editor is as follows:

```
1 a = int(input('masukkan nilai A: '))
2 b = int(input('masukkan nilai B: '))
3 c = int(input('masukkan nilai C: '))
4
5 if a > b and a > c :
6     print('nilai A yang terbesar')
7 elif b > a and b > c :
8     print('nilai B yang terbesar')
9 else:
10    print('nilai C yang terbesar')
```

The terminal window at the bottom shows the command prompt output:

```
PS C:\Users\USER\Documents\Python vscode> & "C:/Program Files/Python310/python.exe" "c:/Users/USER/Documents/Python vscode/Radimas AR 2/2. praktikum 2.2.py"
masukkan nilai A: 7
masukkan nilai B: 11
masukkan nilai C: 6
nilai B yang terbesar
PS C:\Users\USER\Documents\Python vscode>
```

3. Praktikum 2.3



```
File Edit Selection View Go Run Terminal Help 3. praktikum 2.3.py - Python vscode - Visual Studio Code

EXPLORER
PYTHON VSCODE
> 1
> 2
> Dime
> praktikum 3.py
> praktikum 4.py
> praktikum 5.py
> Radimas
> Radimas AR
> Radimas AR 2
  1. praktikum 2.1.py
  2. praktikum 2.2.py
  3. praktikum 2.3.py
  4. praktikum 2.4.py
  5. praktikum 2.5.py
  6. praktikum 2.6.py
  Radimas minggu 2
> OUTLINE
> TIMELINE
> FILTERS

3. praktikum 2.3.py X
Radimas AR 2 > 3. praktikum 2.3.py > ...
1 a = int(input('masukkan nilai A: '))
2 b = int(input('masukkan nilai B: '))
3 c = int(input('masukkan nilai C: '))
4
5 if a == b :
6     print('Bil A sama dengan bil B')
7 elif a == c :
8     print('Bil A sama dengan bil c')
9 elif b == c :
10    print('Bil B sama dengan bil c')
11 else:
12    print('tidak terdapat bilangan yang sama')

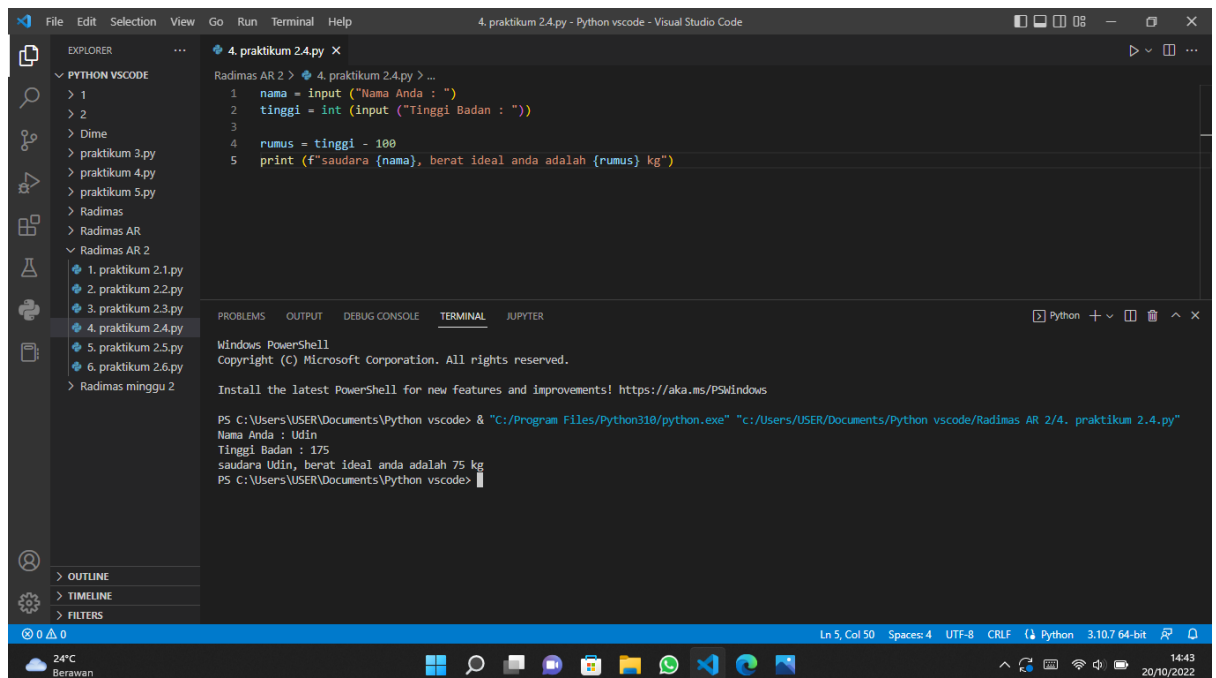
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL JUPYTER
Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.

Install the latest PowerShell for new features and improvements! https://aka.ms/PSWindows

PS C:\Users\USER\Documents\Python vscode> & "C:/Program Files/Python310/python.exe" "c:/Users/USER/Documents/Python vscode/Radimas AR 2/3. praktikum 2.3.py"
masukkan nilai A: 4
masukkan nilai B: 4
masukkan nilai C: 8
Bil A sama dengan bil B
PS C:\Users\USER\Documents\Python vscode>

Ln 12, Col 48 Spaces: 4 UTF-8 CRLF Python 3.10.7 64-bit
24°C Berawan 14:41 20/10/2022
```

4. Praktikum 2.4



```
File Edit Selection View Go Run Terminal Help 4. praktikum 2.4.py - Python vscode - Visual Studio Code

EXPLORER
PYTHON VSCODE
> 1
> 2
> Dime
> praktikum 3.py
> praktikum 4.py
> praktikum 5.py
> Radimas
> Radimas AR
> Radimas AR 2
  1. praktikum 2.1.py
  2. praktikum 2.2.py
  3. praktikum 2.3.py
  4. praktikum 2.4.py
  5. praktikum 2.5.py
  6. praktikum 2.6.py
  Radimas minggu 2
> OUTLINE
> TIMELINE
> FILTERS

4. praktikum 2.4.py X
Radimas AR 2 > 4. praktikum 2.4.py > ...
1 nama = input ("Nama Anda : ")
2 tinggi = int (input ("Tinggi Badan : "))
3
4 rumus = tinggi - 100
5 print (f"saudara {nama}, berat ideal anda adalah {rumus} kg")

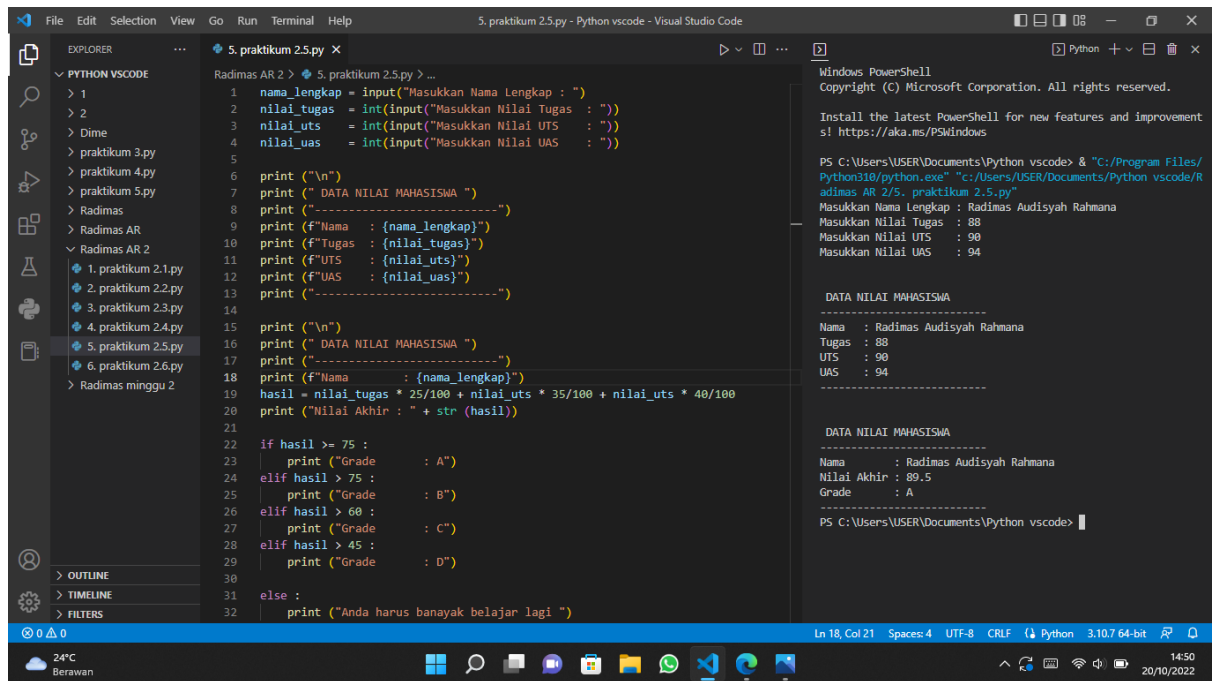
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL JUPYTER
Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.

Install the latest PowerShell for new features and improvements! https://aka.ms/PSWindows

PS C:\Users\USER\Documents\Python vscode> & "C:/Program Files/Python310/python.exe" "c:/Users/USER/Documents/Python vscode/Radimas AR 2/4. praktikum 2.4.py"
Nama Anda : Udin
Tinggi Badan : 175
saudara Udin, berat ideal anda adalah 75 kg
PS C:\Users\USER\Documents\Python vscode>

Ln 5, Col 50 Spaces: 4 UTF-8 CRLF Python 3.10.7 64-bit
24°C Berawan 14:43 20/10/2022
```

5. Praktikum 2.5



The screenshot shows the Visual Studio Code interface with a Python file named `5. praktikum 2.5.py` open. The code prompts the user for a student's name, task score, UTS score, and UAS score. It then calculates a weighted average and assigns a grade based on the result.

```
1 nama_lengkap = input("Masukkan Nama Lengkap : ")
2 nilai_tugas = int(input("Masukkan Nilai Tugas : "))
3 nilai_uts = int(input("Masukkan Nilai UTS : "))
4 nilai_uas = int(input("Masukkan Nilai UAS : "))
5
6 print("\n")
7 print(" DATA NILAI MAHASISWA ")
8 print("-----")
9 print(f"Nama : {nama_lengkap}")
10 print(f"Tugas : {nilai_tugas}")
11 print(f"UTS : {nilai_uts}")
12 print(f"UAS : {nilai_uas}")
13 print("-----")
14
15 print("\n")
16 print(" DATA NILAI MAHASISWA ")
17 print("-----")
18 print(f"Nama : {nama_lengkap}")
19 hasil = nilai_tugas * 25/100 + nilai_uts * 35/100 + nilai_uas * 40/100
20 print("Nilai Akhir : " + str(hasil))
21
22 if hasil >= 75 :
23     print("Grade : A")
24 elif hasil > 75 :
25     print("Grade : B")
26 elif hasil > 60 :
27     print("Grade : C")
28 elif hasil > 45 :
29     print("Grade : D")
30
31 else :
32     print("Anda harus banayak belajar lagi ")
```

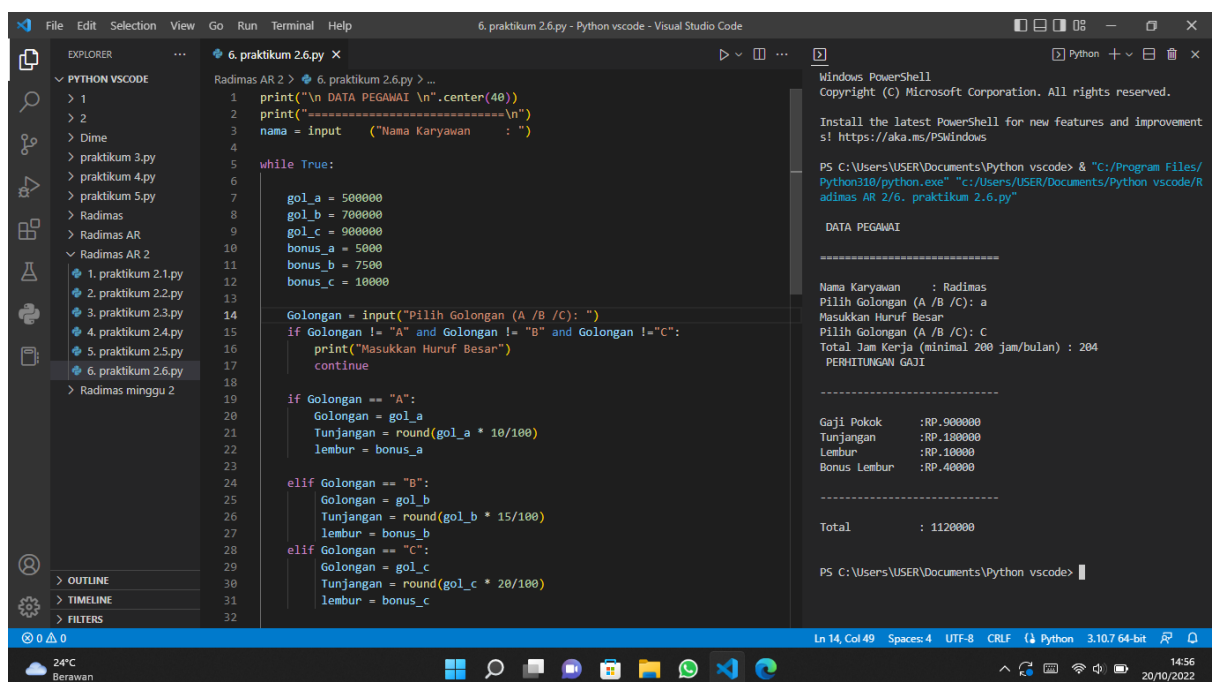
The PowerShell terminal shows the execution of the script with the following output:

```
PS C:\Users\USER\Documents\Python vscode> "C:/Program Files/Python310/python.exe" "c:/Users/USER/Documents/Python vscode/Radimas AR 2/5. praktikum 2.5.py"
Masukkan Nama Lengkap : Radimas Audisyah Rahmana
Masukkan Nilai Tugas : 88
Masukkan Nilai UTS : 90
Masukkan Nilai UAS : 94

DATA NILAI MAHASISWA
-----
Nama : Radimas Audisyah Rahmana
Tugas : 88
UTS : 90
UAS : 94
-----

DATA NILAI MAHASISWA
-----
Nama : Radimas Audisyah Rahmana
Nilai Akhir : 89.5
Grade : A
-----
PS C:\Users\USER\Documents\Python vscode>
```

6. Praktikum 2.6



The screenshot shows the Visual Studio Code interface with a Python file named `6. praktikum 2.6.py` open. The code prompts the user for an employee's name and category (A, B, or C). It then calculates a weighted average and assigns a grade based on the result.

```
1 print("\n DATA PEGAWAI \n".center(40))
2 print("-----\n")
3 nama = input("Nama Karyawan : ")
4
5 while True:
6
7     gol_a = 500000
8     gol_b = 700000
9     gol_c = 900000
10    bonus_a = 5000
11    bonus_b = 7500
12    bonus_c = 10000
13
14    Golongan = input("Pilih Golongan (A /B /C): ")
15    if Golongan != "A" and Golongan != "B" and Golongan != "C":
16        print("Masukkan Huruf Besar")
17        continue
18
19    if Golongan == "A":
20        Golongan = gol_a
21        Tunjangan = round(gol_a * 10/100)
22        lembur = bonus_a
23
24    elif Golongan == "B":
25        Golongan = gol_b
26        Tunjangan = round(gol_b * 15/100)
27        lembur = bonus_b
28
29    elif Golongan == "C":
30        Golongan = gol_c
31        Tunjangan = round(gol_c * 20/100)
32        lembur = bonus_c
```

The PowerShell terminal shows the execution of the script with the following output:

```
PS C:\Users\USER\Documents\Python vscode> "C:/Program Files/Python310/python.exe" "c:/Users/USER/Documents/Python vscode/Radimas AR 2/6. praktikum 2.6.py"

DATA PEGAWAI
-----
Nama Karyawan : Radimas
Pilih Golongan (A /B /C): a
Masukkan Huruf Besar
Pilih Golongan (A /B /C): C
Total Jam Kerja (minimal 200 jam/bulan) : 204
PERHITUNGAN GAJI
-----
Gaji Pokok :RP.900000
Tunjangan :RP.135000
Lembur :RP.10000
Bonus Lembur :RP.40000
-----
Total : 1120000
PS C:\Users\USER\Documents\Python vscode>
```