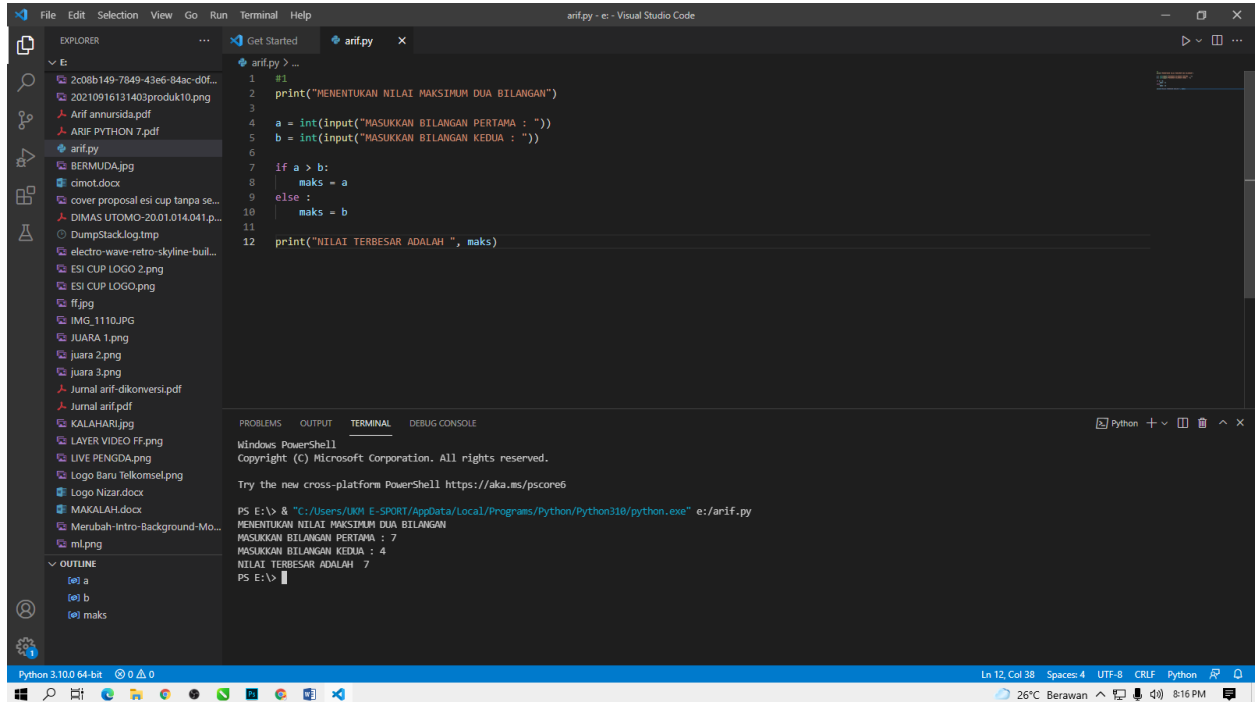


NAMA : ARIF ANNURSIDA

KELAS : AI-B

NIM : 20.01.013.045

1. Program menampilkan bilangan terbesar



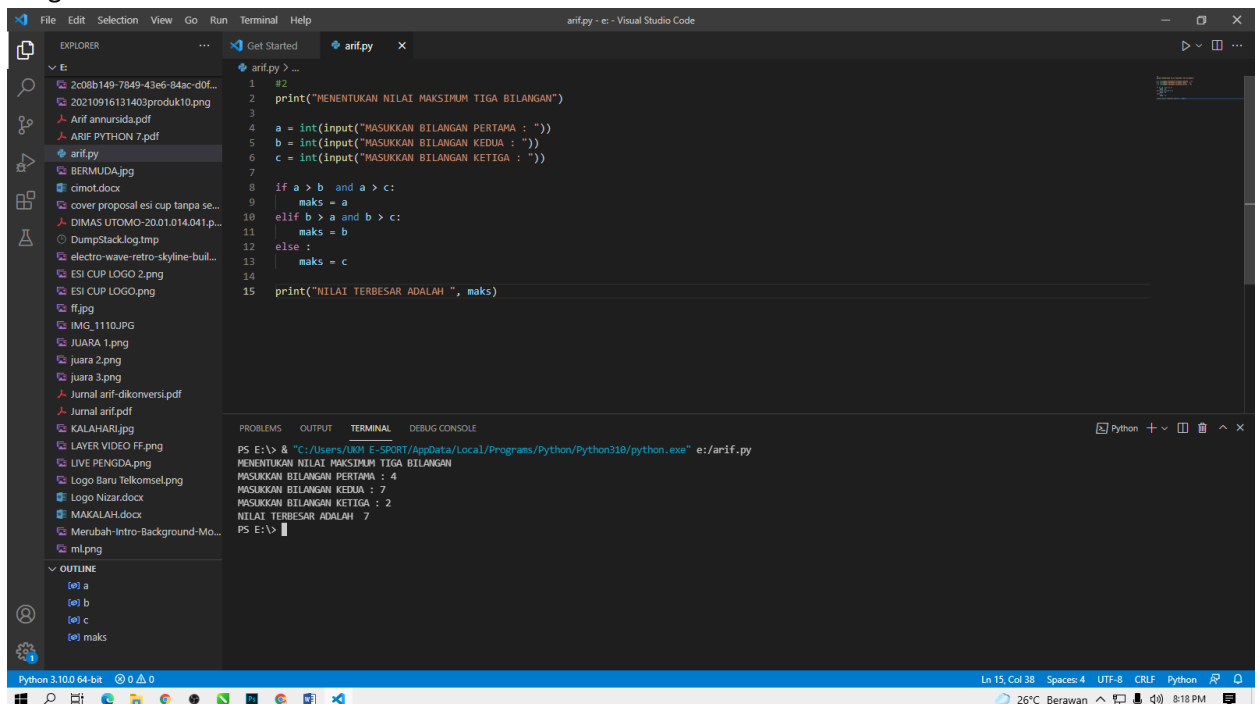
The screenshot shows the Visual Studio Code interface with a Python file named `arif.py` open. The code is as follows:

```
1 #1
2 print("MENENTUKAN NILAI MAKSIMUM DUA BILANGAN")
3
4 a = int(input("MASUKKAN BILANGAN PERTAMA : "))
5 b = int(input("MASUKKAN BILANGAN KEDUA : "))
6
7 if a > b:
8     maks = a
9 else:
10    maks = b
11
12 print("NILAI TERBESAR ADALAH ", maks)
```

The terminal output shows the program execution:

```
PS E:\> & "C:/Users/UKM E-SPORT/AppData/Local/Programs/Python/Python318/python.exe" e:/arif.py
MENENTUKAN NILAI MAKSIMUM DUA BILANGAN
MASUKKAN BILANGAN PERTAMA : 7
MASUKKAN BILANGAN KEDUA : 4
NILAI TERBESAR ADALAH 7
PS E:\>
```

2. Program nilai max



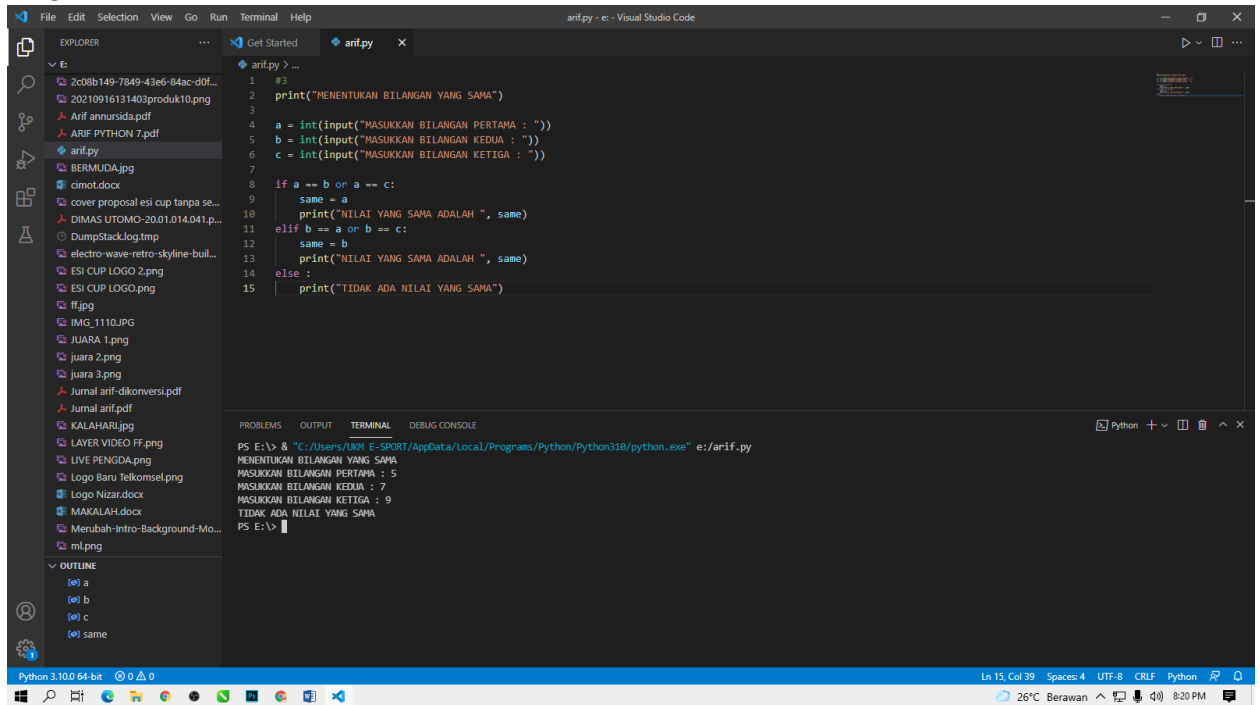
The screenshot shows the Visual Studio Code interface with a Python file named `arif.py` open. The code is as follows:

```
1 #2
2 print("MENENTUKAN NILAI MAKSIMUM TIGA BILANGAN")
3
4 a = int(input("MASUKKAN BILANGAN PERTAMA : "))
5 b = int(input("MASUKKAN BILANGAN KEDUA : "))
6 c = int(input("MASUKKAN BILANGAN KETIGA : "))
7
8 if a > b and a > c:
9     maks = a
10 elif b > a and b > c:
11     maks = b
12 else:
13     maks = c
14
15 print("NILAI TERBESAR ADALAH ", maks)
```

The terminal output shows the program execution:

```
PS E:\> & "C:/Users/UKM E-SPORT/AppData/Local/Programs/Python/Python318/python.exe" e:/arif.py
MENENTUKAN NILAI MAKSIMUM TIGA BILANGAN
MASUKKAN BILANGAN PERTAMA : 4
MASUKKAN BILANGAN KEDUA : 7
MASUKKAN BILANGAN KETIGA : 2
NILAI TERBESAR ADALAH 7
PS E:\>
```

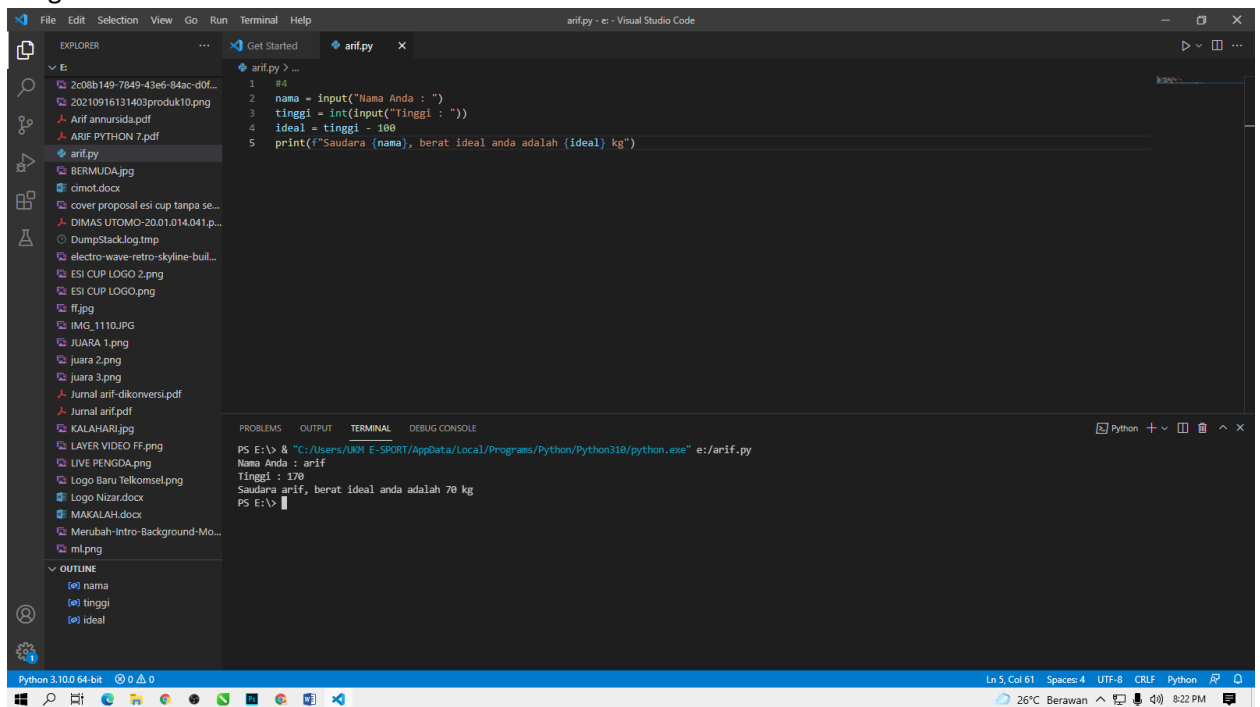
3. Program nilai tidak sama



```
1 #3
2 print("MENENTUKAN BILANGAN YANG SAMA")
3
4 a = int(input("MASUKKAN BILANGAN PERTAMA : "))
5 b = int(input("MASUKKAN BILANGAN KEDUA : "))
6 c = int(input("MASUKKAN BILANGAN KETIGA : "))
7
8 if a == b or a == c:
9     same = a
10    print("NILAI YANG SAMA ADALAH ", same)
11 elif b == a or b == c:
12    same = b
13    print("NILAI YANG SAMA ADALAH ", same)
14 else :
15    print("TIDAK ADA NILAI YANG SAMA")
```

PS E:\> & "C:/Users/UKM E-SPORT/AppData/Local/Programs/Python/Python310/python.exe" e:/arif.py
MENENTUKAN BILANGAN YANG SAMA
MASUKKAN BILANGAN PERTAMA : 5
MASUKKAN BILANGAN KEDUA : 7
MASUKKAN BILANGAN KETIGA : 9
TIDAK ADA NILAI YANG SAMA
PS E:\>

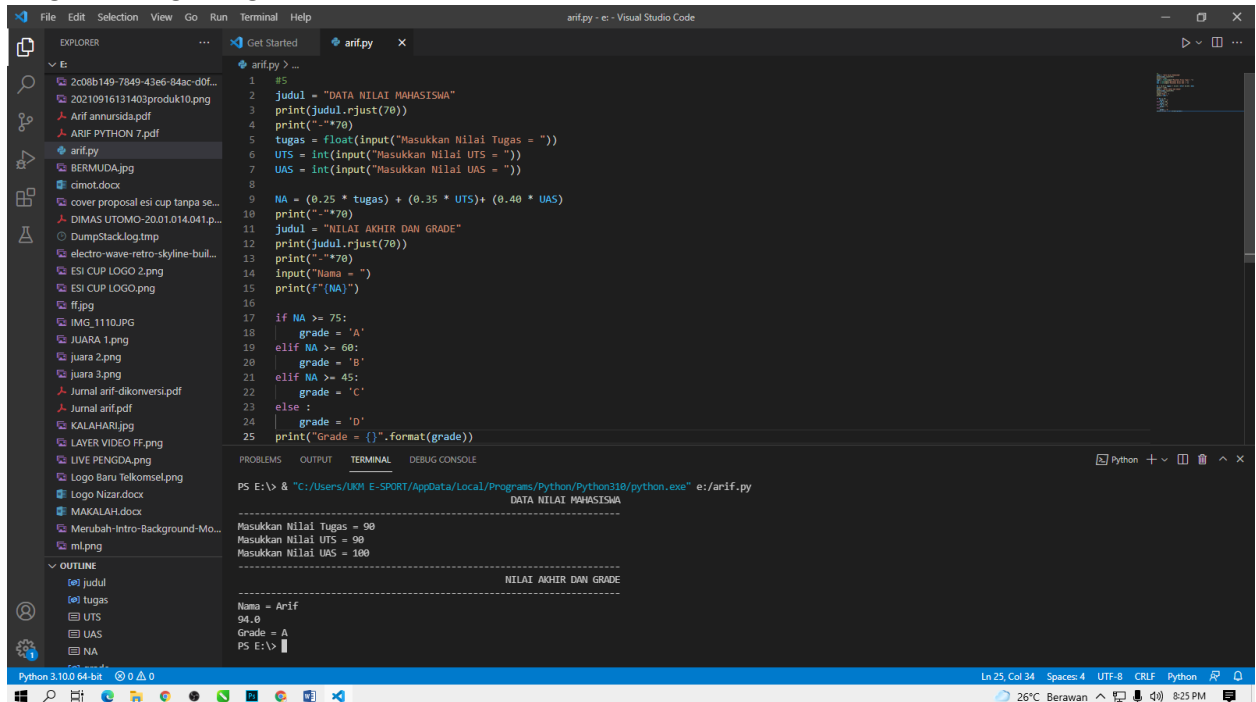
4. Program berat badan ideal



```
1 #4
2 nama = input("Nama Anda : ")
3 tinggi = int(input("Tinggi : "))
4 ideal = tinggi - 100
5 print(f"Saudara {nama}, berat ideal anda adalah {ideal} kg")
```

PS E:\> & "C:/Users/UKM E-SPORT/AppData/Local/Programs/Python/Python310/python.exe" e:/arif.py
Nama Anda : arif
Tinggi : 170
Saudara arif, berat ideal anda adalah 70 kg
PS E:\>

5. Program menghitung nilai akhir



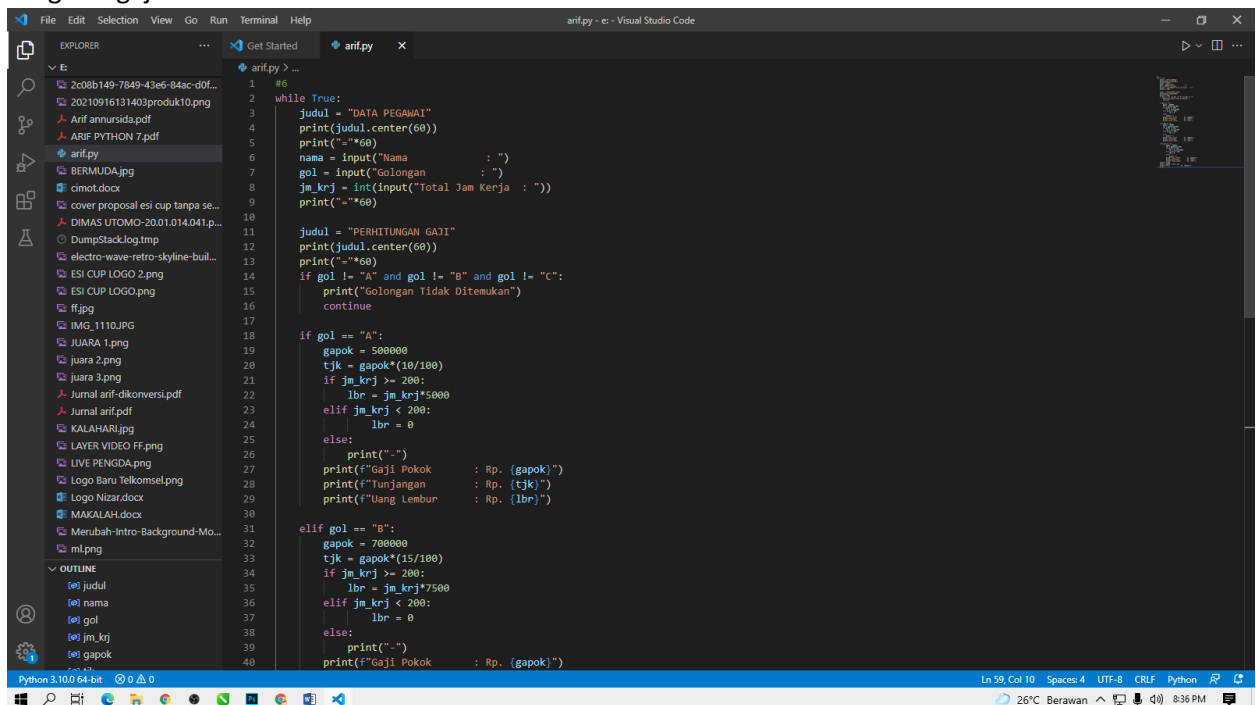
The screenshot shows a Visual Studio Code editor with a Python file named `arif.py`. The program calculates a final grade based on three inputs: Tugas (Assignment), UTS (Midterm), and UAS (Final Exam). The weights are 25% for Tugas, 35% for UTS, and 40% for UAS. The final grade is then mapped to a letter grade (A, B, C, D) based on the calculated value.

```
1 #5
2 judul = "DATA NILAI MAHASISMA"
3 print(judul.rjust(70))
4 print("-"*70)
5 tugas = float(input("Masukkan Nilai Tugas = "))
6 UTS = int(input("Masukkan Nilai UTS = "))
7 UAS = int(input("Masukkan Nilai UAS = "))
8
9 NA = (0.25 * tugas) + (0.35 * UTS) + (0.40 * UAS)
10 print("-"*70)
11 judul = "NILAI AKHIR DAN GRADE"
12 print(judul.rjust(70))
13 print("-"*70)
14 input("Nama = ")
15 print(f"({NA})")
16
17 if NA >= 75:
18     grade = 'A'
19 elif NA >= 60:
20     grade = 'B'
21 elif NA >= 45:
22     grade = 'C'
23 else:
24     grade = 'D'
25 print("Grade = {}".format(grade))
```

The terminal output shows the execution of the program with sample inputs: Tugas = 90, UTS = 90, and UAS = 100. The calculated final grade is 94.0, which corresponds to a letter grade of A.

```
PS E:\> & "C:/Users/UKM-E-SPORT/AppData/Local/Programs/Python/Python318/python.exe" e:/arif.py
DATA NILAI MAHASISMA
-----
Masukkan Nilai Tugas = 90
Masukkan Nilai UTS = 90
Masukkan Nilai UAS = 100
-----
NILAI AKHIR DAN GRADE
-----
Nama = Arif
94.0
Grade = A
PS E:\>
```

6. Program gaji kariawan



The screenshot shows a Visual Studio Code editor with a Python file named `arif.py`. The program calculates employee wages based on their position (golongan) and working hours (jam_kerja). It includes a loop to allow multiple calculations and handles different wage rates for different positions and working hours.

```
1 #6
2 while True:
3     judul = "DATA PEGAWAI"
4     print(judul.center(60))
5     print("-"*60)
6     nama = input("Nama : ")
7     gol = input("Golongan : ")
8     jm_krj = int(input("Total Jam Kerja : "))
9     print("-"*60)
10
11     judul = "PERHITUNGAN GAJI"
12     print(judul.center(60))
13     print("-"*60)
14     if gol != "A" and gol != "B" and gol != "C":
15         print("Golongan Tidak Ditemukan")
16         continue
17
18     if gol == "A":
19         gapok = 500000
20         tjk = gapok*(10/100)
21         if jm_krj >= 200:
22             lbr = jm_krj*5000
23         elif jm_krj < 200:
24             lbr = 0
25         else:
26             print("-")
27         print(f"Gaji Pokok : Rp. {gapok}")
28         print(f"Tunjangan : Rp. {tjk}")
29         print(f"Uang Lembur : Rp. {lbr}")
30
31     elif gol == "B":
32         gapok = 700000
33         tjk = gapok*(15/100)
34         if jm_krj >= 200:
35             lbr = jm_krj*7500
36         elif jm_krj < 200:
37             lbr = 0
38         else:
39             print("-")
40         print(f"Gaji Pokok : Rp. {gapok}")
```

