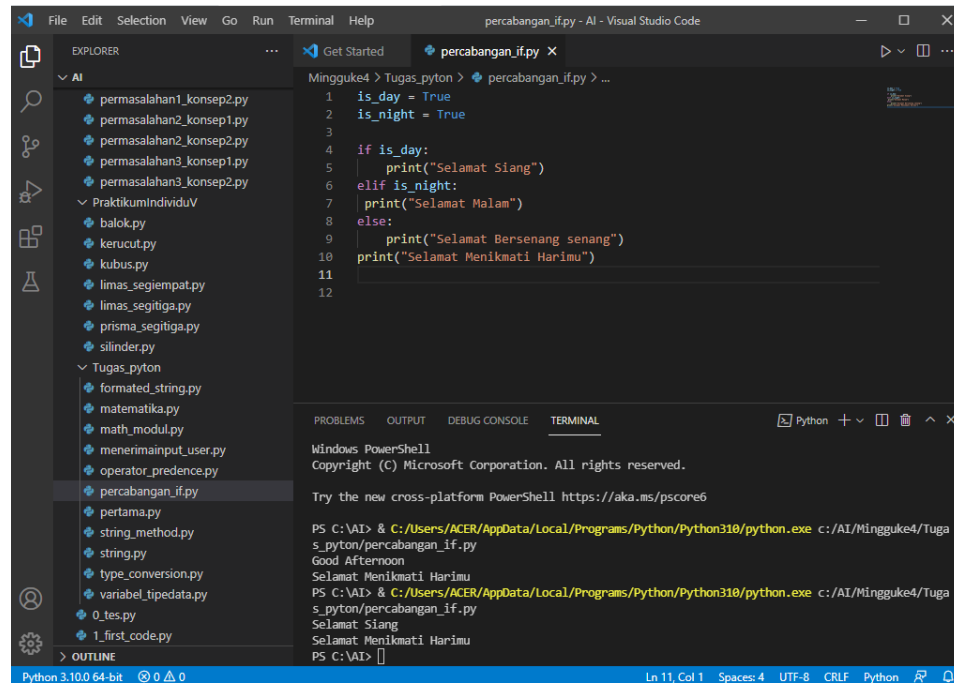


## TUGAS PYTHON III

### 1. Percabangan If



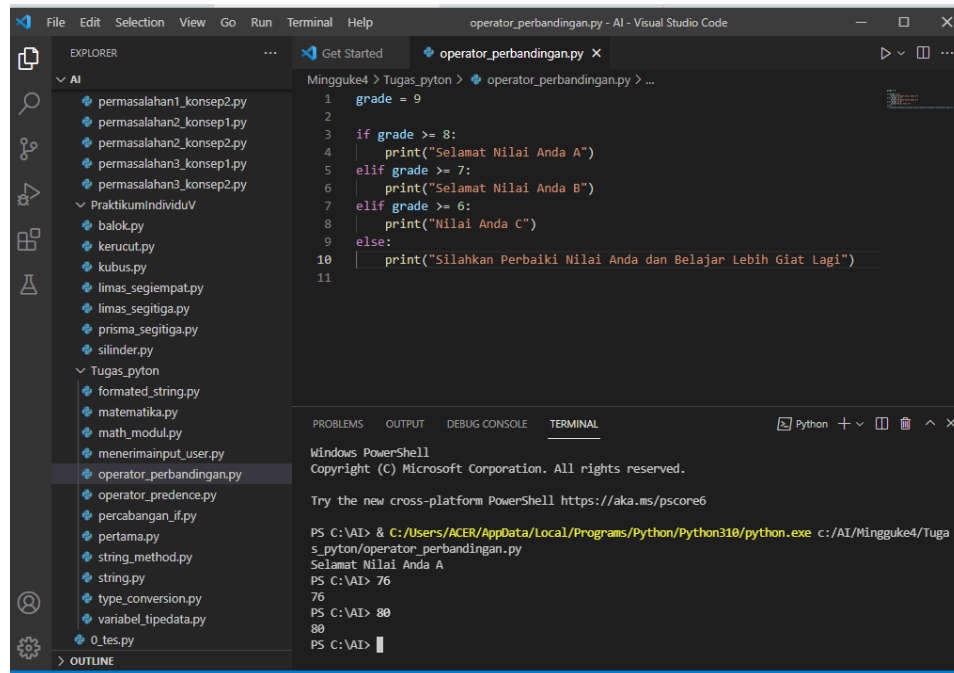
The screenshot shows the Visual Studio Code interface with a file explorer on the left containing various Python files. The main editor displays the file `percabangan_if.py` with the following code:

```
1 is_day = True
2 is_night = True
3
4 if is_day:
5     print("Selamat Siang")
6 elif is_night:
7     print("Selamat Malam")
8 else:
9     print("Selamat Bersenang senang")
10 print("Selamat Menikmati Harimu")
11
12
```

The terminal at the bottom shows the execution of the script using the command `python.exe c:/AI/Mingguke4/Tugas_pyton/percabangan_if.py`. The output is:

```
Good Afternoon
Selamat Menikmati Harimu
PS C:\AI> python.exe c:/AI/Mingguke4/Tugas_pyton/percabangan_if.py
Selamat Siang
Selamat Menikmati Harimu
PS C:\AI>
```

### 2. Operator Perbandingan



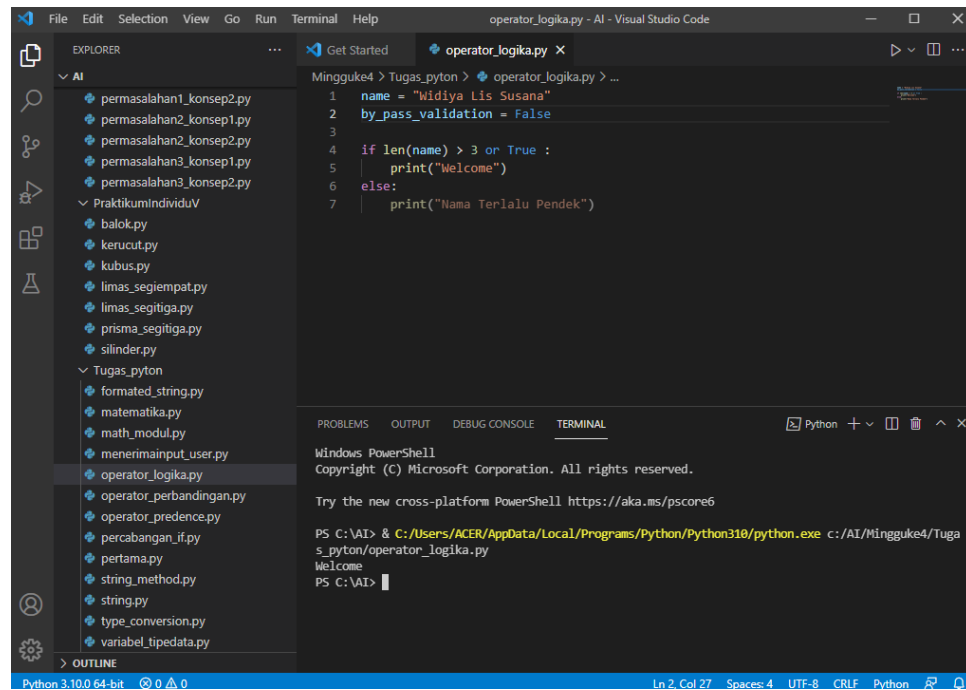
The screenshot shows the Visual Studio Code interface with a file explorer on the left. The main editor displays the file `operator_perbandingan.py` with the following code:

```
1 grade = 9
2
3 if grade >= 8:
4     print("Selamat Nilai Anda A")
5 elif grade >= 7:
6     print("Selamat Nilai Anda B")
7 elif grade >= 6:
8     print("Nilai Anda C")
9 else:
10    print("Silahkan Perbaiki Nilai Anda dan Belajar Lebih Giat Lagi!")
11
```

The terminal at the bottom shows the execution of the script using the command `python.exe c:/AI/Mingguke4/Tugas_pyton/operator_perbandingan.py`. The output is:

```
Selamat Nilai Anda A
PS C:\AI> python.exe c:/AI/Mingguke4/Tugas_pyton/operator_perbandingan.py
76
76
PS C:\AI> python.exe c:/AI/Mingguke4/Tugas_pyton/operator_perbandingan.py
80
80
PS C:\AI>
```

### 3. Operator Logika



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

EXPLORER
  AI
    permasalahan1_konsep2.py
    permasalahan2_konsep1.py
    permasalahan2_konsep2.py
    permasalahan3_konsep1.py
    permasalahan3_konsep2.py
  PraktikumIndividuV
    balok.py
    kerucut.py
    kubus.py
    limas_segiempat.py
    limas_segitiga.py
    prisma_segitiga.py
    silinder.py
  Tugas_pyton
    formatted_string.py
    matematika.py
    math_modul.py
    menerimainput_user.py
    operator_logika.py
    operator_perbandingan.py
    operator_predence.py
    percabangan_if.py
    pertama.py
    string_method.py
    string.py
    type_conversion.py
    variabel_tipedata.py
  > OUTLINE

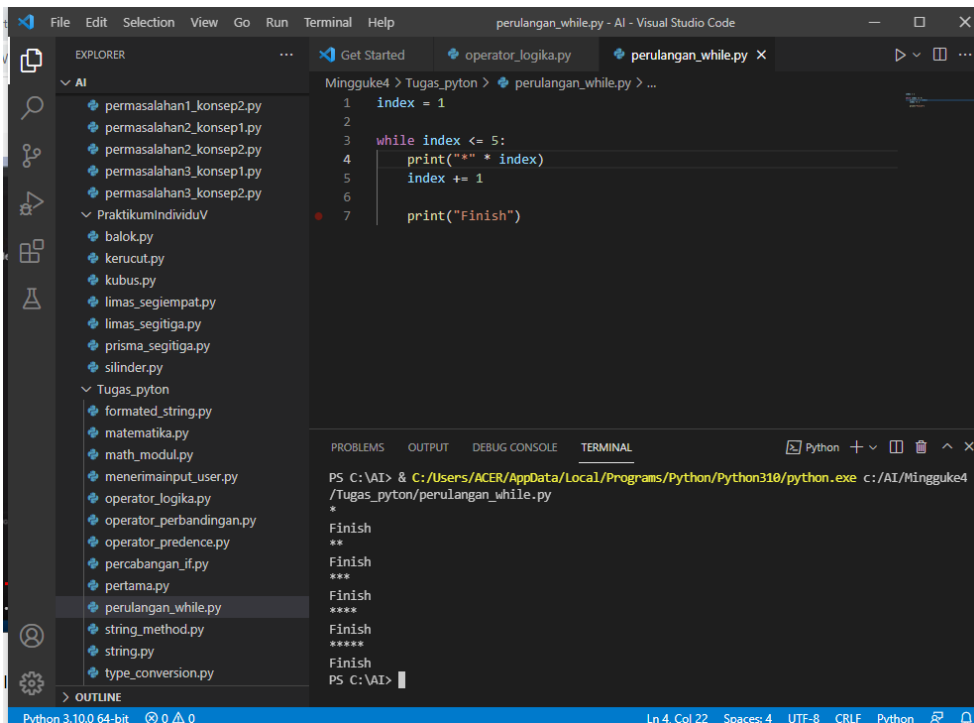
operator_logika.py
1 name = "Widiya Lis Susana"
2 by_pass_validation = False
3
4 if len(name) > 3 or True :
5     print("Welcome")
6 else:
7     print("Nama Terlalu Pendek")

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

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

PS C:\AI> & C:/Users/ACER/AppData/Local/Programs/Python/Python310/python.exe c:/AI/Mingguke4/Tugas_pyton/operator_logika.py
Welcome
PS C:\AI>
```

### 4. Perulangan While



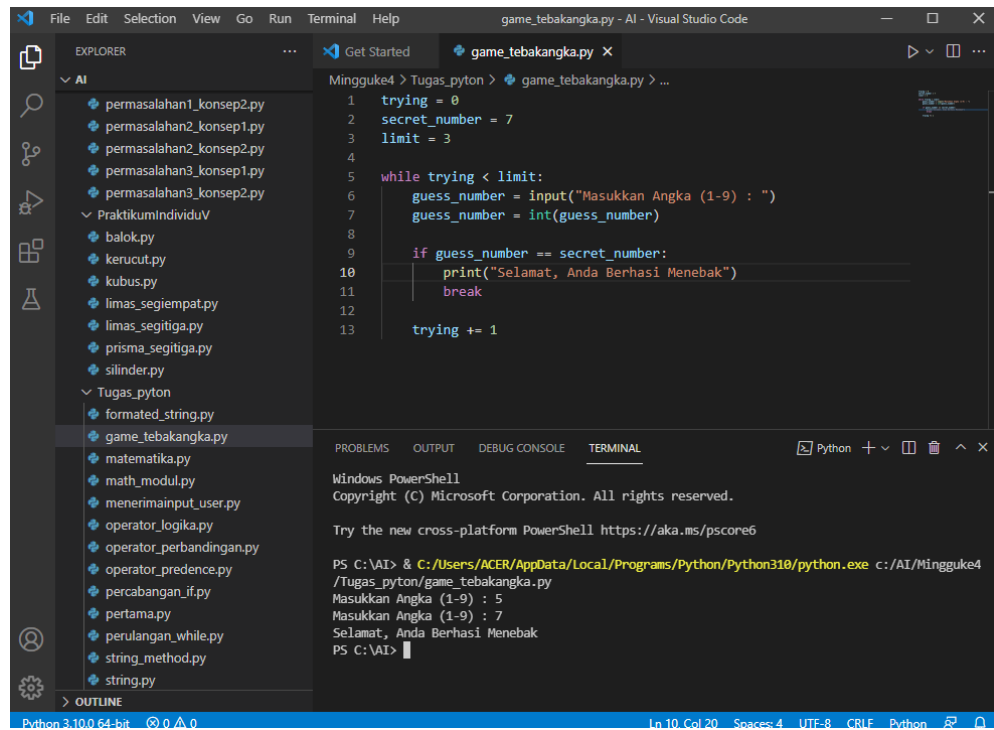
```
File Edit Selection View Go Run Terminal Help
perulangan_while.py - AI - Visual Studio Code

EXPLORER
  AI
    permasalahan1_konsep2.py
    permasalahan2_konsep1.py
    permasalahan2_konsep2.py
    permasalahan3_konsep1.py
    permasalahan3_konsep2.py
  PraktikumIndividuV
    balok.py
    kerucut.py
    kubus.py
    limas_segiempat.py
    limas_segitiga.py
    prisma_segitiga.py
    silinder.py
  Tugas_pyton
    formatted_string.py
    matematika.py
    math_modul.py
    menerimainput_user.py
    operator_logika.py
    operator_perbandingan.py
    operator_predence.py
    percabangan_if.py
    pertama.py
    perulangan_while.py
    string_method.py
    string.py
    type_conversion.py
  > OUTLINE

perulangan_while.py
1 index = 1
2
3 while index <= 5:
4     print("*" * index)
5     index += 1
6
7 print("Finish")

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL
PS C:\AI> & C:/Users/ACER/AppData/Local/Programs/Python/Python310/python.exe c:/AI/Mingguke4/Tugas_pyton/perulangan_while.py
*
**
***
****
*****
Finish
PS C:\AI>
```

## 5. Game Tebak Angka



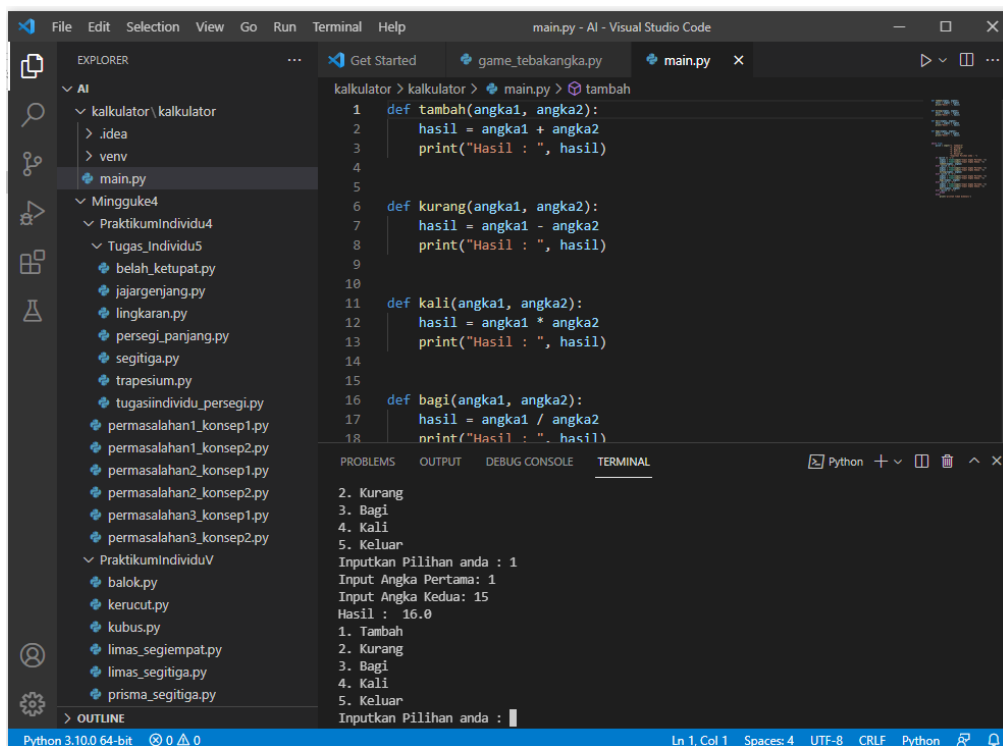
The screenshot shows the Visual Studio Code interface with the file explorer on the left, the editor in the center, and the terminal at the bottom. The file explorer shows a project structure with a folder named 'Tugas\_pyton' containing several Python files, including 'game\_tebakangka.py'. The editor displays the code for 'game\_tebakangka.py', which is a simple number-guessing game. The terminal shows the command to run the script and its output, which includes a prompt for a number and a success message.

```
1 trying = 0
2 secret_number = 7
3 limit = 3
4
5 while trying < limit:
6     guess_number = input("Masukkan Angka (1-9) : ")
7     guess_number = int(guess_number)
8
9     if guess_number == secret_number:
10        print("Selamat, Anda Berhasil Menebak")
11        break
12
13    trying += 1
```

Terminal Output:

```
PS C:\AI> & C:/Users/ACER/AppData/Local/Programs/Python/Python310/python.exe c:/AI/Mingguke4/Tugas_pyton/game_tebakangka.py
Masukkan Angka (1-9) : 5
Masukkan Angka (1-9) : 7
Selamat, Anda Berhasil Menebak
PS C:\AI>
```

## 6. Aplikasi Kalkulator



The screenshot shows the Visual Studio Code interface with the file explorer on the left, the editor in the center, and the terminal at the bottom. The file explorer shows a project structure with a folder named 'Tugas\_Individu5' containing several Python files, including 'main.py'. The editor displays the code for 'main.py', which is a simple calculator application. The terminal shows the command to run the script and its output, which includes a menu of operations and a prompt for the first number.

```
1 def tambah(angka1, angka2):
2     hasil = angka1 + angka2
3     print("Hasil : ", hasil)
4
5
6 def kurang(angka1, angka2):
7     hasil = angka1 - angka2
8     print("Hasil : ", hasil)
9
10
11 def kali(angka1, angka2):
12     hasil = angka1 * angka2
13     print("Hasil : ", hasil)
14
15
16 def bagi(angka1, angka2):
17     hasil = angka1 / angka2
18     print("Hasil : ", hasil)
```

Terminal Output:

```
2. Kurang
3. Bagi
4. Kali
5. Keluar
Inputkan Pilihan anda : 1
Input Angka Pertama: 1
Input Angka Kedua: 15
Hasil : 16.0
1. Tambah
2. Kurang
3. Bagi
4. Kali
5. Keluar
Inputkan Pilihan anda :
```