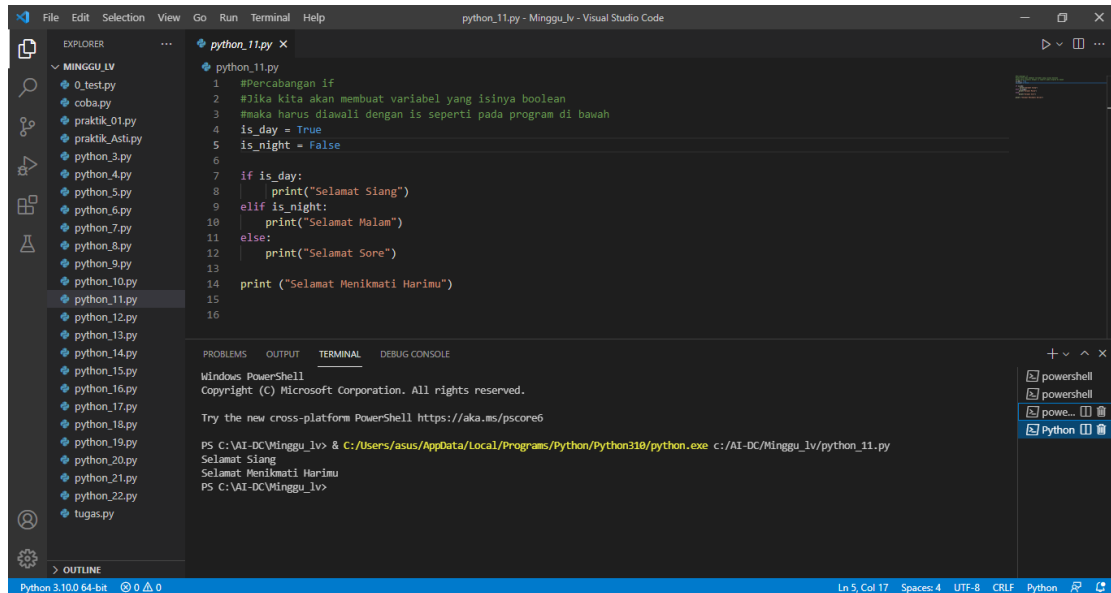


Praktikum Pemrograman Python

Percabangan If



The screenshot shows the Visual Studio Code interface with a file explorer on the left containing a folder named 'MINGGU_1V' with various Python files. The main editor displays 'python_11.py' with the following code:

```
1 #Percabangan If
2 #Jika kita akan membuat variabel yang isinya boolean
3 #maka harus diawali dengan is seperti pada program di bawah
4 is_day = True
5 is_night = False
6
7 if is_day:
8     print("Selamat Siang")
9 elif is_night:
10    print("Selamat Malam")
11 else:
12    print("Selamat Sore")
13
14 print ("Selamat Menikmati Harimu")
15
16
```

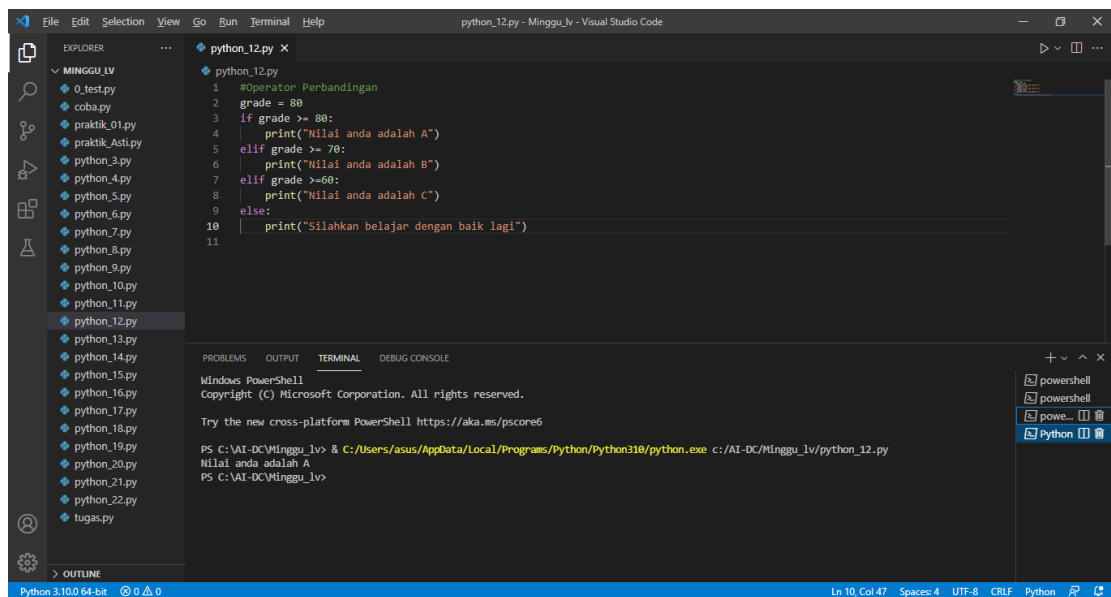
The bottom panel shows the 'TERMINAL' tab with the following output:

```
Windows PowerShell
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PS C:\AI-DC\Minggu_1v> & C:/Users/asus/AppData/Local/Programs/Python/Python318/python.exe c:/AI-DC/Minggu_1v/python_11.py
Selamat Siang
Selamat Menikmati Harimu
PS C:\AI-DC\Minggu_1v>
```

Operator Perbandingan



The screenshot shows the Visual Studio Code interface with a file explorer on the left containing a folder named 'MINGGU_1V' with various Python files. The main editor displays 'python_12.py' with the following code:

```
1 #Operator Perbandingan
2 grade = 80
3 if grade >= 80:
4     print("Nilai anda adalah A")
5 elif grade >= 70:
6     print("Nilai anda adalah B")
7 elif grade >= 60:
8     print("Nilai anda adalah C")
9 else:
10    print("Silahkan belajar dengan baik lagi!")
11
```

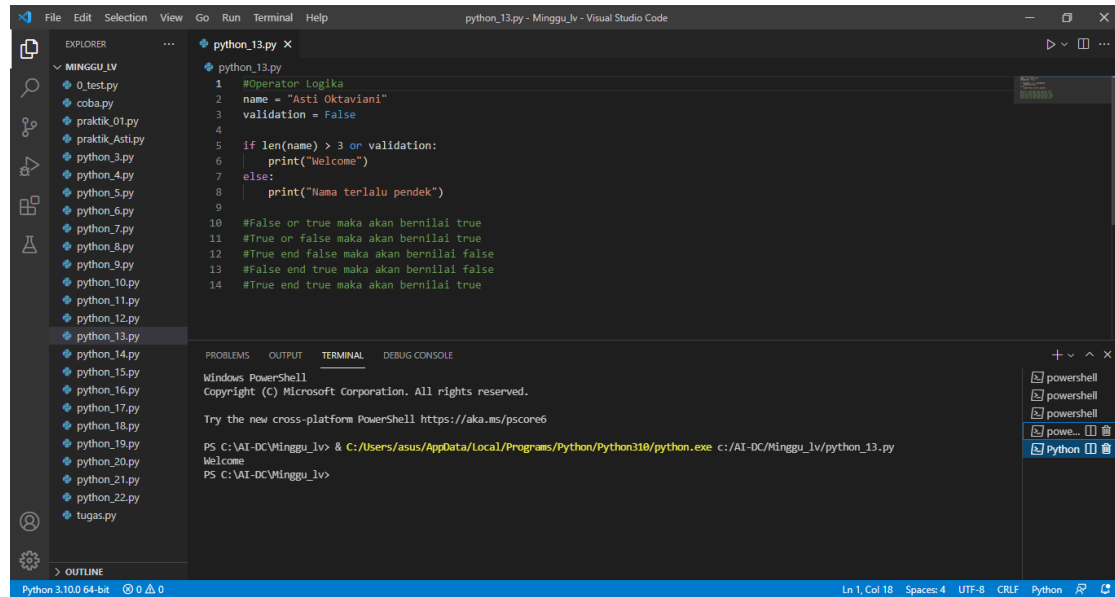
The bottom panel shows the 'TERMINAL' tab with the following output:

```
Windows PowerShell
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PS C:\AI-DC\Minggu_1v> & C:/Users/asus/AppData/Local/Programs/Python/Python318/python.exe c:/AI-DC/Minggu_1v/python_12.py
Nilai anda adalah A
PS C:\AI-DC\Minggu_1v>
```

Operator Logika



The screenshot shows the Visual Studio Code interface with a file explorer on the left containing a folder named 'MINGGU_IV' with various Python files. The main editor displays 'python_13.py' with the following code:

```
1 #Operator Logika
2 name = "Asti Oktaviani"
3 validation = False
4
5 if len(name) > 3 or validation:
6     print("Welcome")
7 else:
8     print("Nama terlalu pendek")
9
10 #False or true maka akan bernilai true
11 #True or false maka akan bernilai true
12 #True end false maka akan bernilai false
13 #False end true maka akan bernilai false
14 #True end true maka akan bernilai true
```

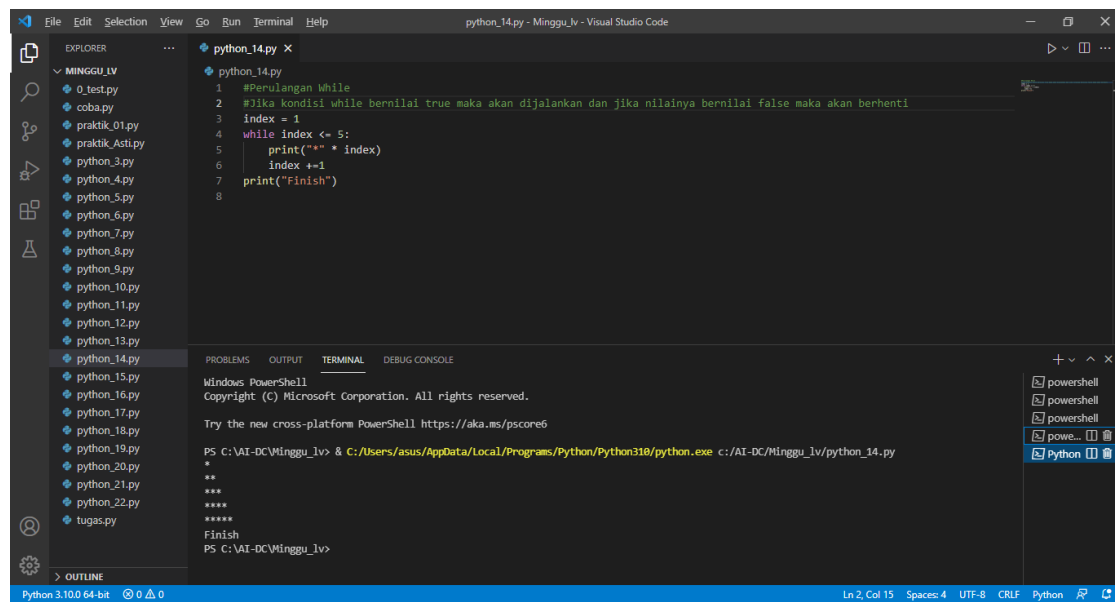
The bottom panel shows the 'TERMINAL' tab with the following output:

```
Windows PowerShell
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PS C:\AI-DC\Hinggu_lv> & C:/Users/asus/AppData/Local/Programs/Python/Python310/python.exe c:/AI-DC/Hinggu_lv/python_13.py
Welcome
PS C:\AI-DC\Hinggu_lv>
```

Perulangan While



The screenshot shows the Visual Studio Code interface with a file explorer on the left containing a folder named 'MINGGU_IV' with various Python files. The main editor displays 'python_14.py' with the following code:

```
1 #Perulangan While
2 #Jika kondisi while bernilai true maka akan dijalankan dan jika nilainya bernilai false maka akan berhenti
3 index = 1
4 while index <= 5:
5     print("*** * index)
6     index +=1
7 print("Finish")
8
```

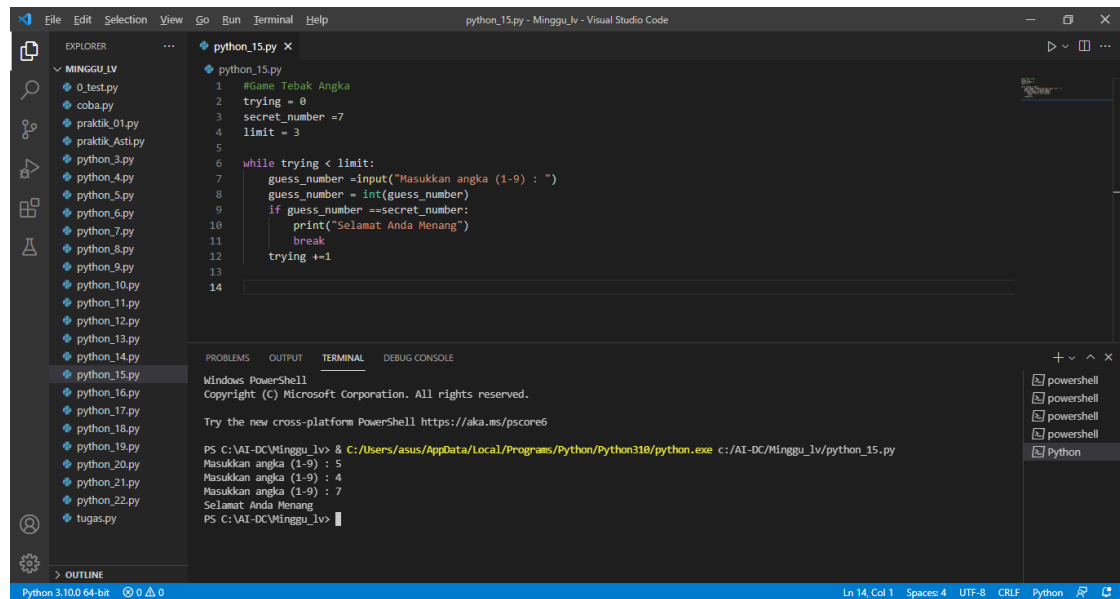
The bottom panel shows the 'TERMINAL' tab with the following output:

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

PS C:\AI-DC\Hinggu_lv> & C:/Users/asus/AppData/Local/Programs/Python/Python310/python.exe c:/AI-DC/Hinggu_lv/python_14.py
*
**
***
****
*****
Finish
PS C:\AI-DC\Hinggu_lv>
```

Game Tebak Angka



The screenshot shows the Visual Studio Code interface with a Python file named `python_15.py` open. The code is a number guessing game. The Explorer sidebar on the left shows a folder named `MINGGU_IV` containing several Python files, with `python_15.py` selected. The code in the editor is as follows:

```
1 #Game Tebak Angka
2 trying = 0
3 secret_number = 7
4 limit = 3
5
6 while trying < limit:
7     guess_number = input("Masukkan angka (1-9) : ")
8     guess_number = int(guess_number)
9     if guess_number == secret_number:
10         print("Selamat Anda Menang")
11         break
12     trying += 1
13
14
```

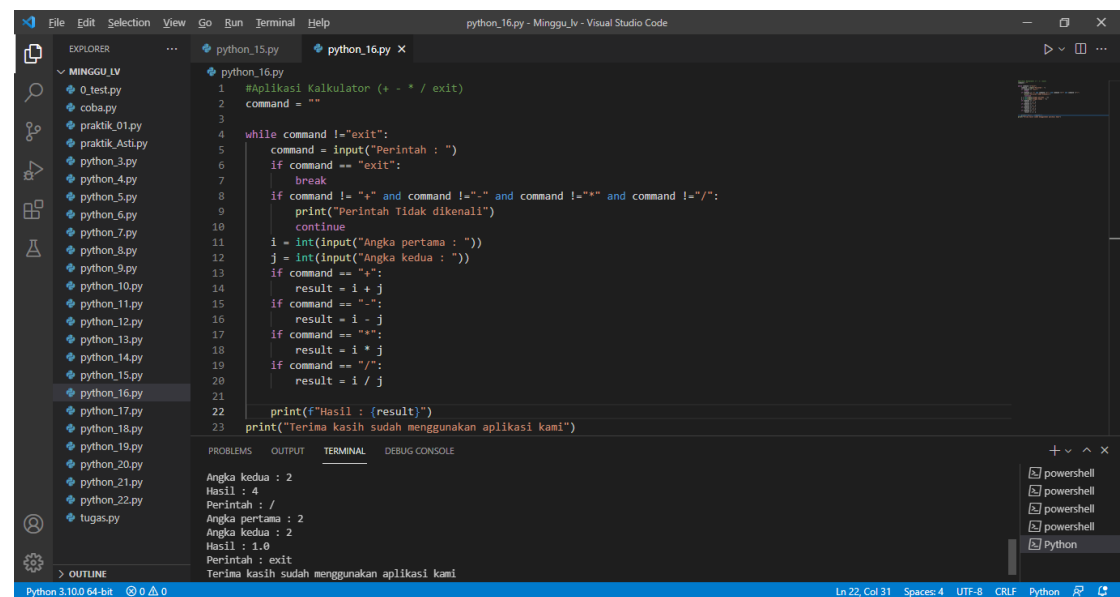
The TERMINAL panel at the bottom shows the execution of the script. It displays the Windows PowerShell prompt, the file path, and the user's input. The output shows the user entering 5, then 4, then 7, and finally receiving the message "Selamat Anda Menang".

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

PS C:\AI-DC\Minggu_iv> & C:/Users/asus/AppData/Local/Programs/Python/Python310/python.exe c:/AI-DC/Minggu_iv/python_15.py
Masukkan angka (1-9) : 5
Masukkan angka (1-9) : 4
Masukkan angka (1-9) : 7
Selamat Anda Menang
PS C:\AI-DC\Minggu_iv>
```

Aplikasi Kalkulator



The screenshot shows the Visual Studio Code interface with a Python file named `python_16.py` open. The code is a simple calculator application. The Explorer sidebar on the left shows the same folder structure as the previous screenshot, with `python_16.py` selected. The code in the editor is as follows:

```
1 #Aplikasi Kalkulator (+ - * / exit)
2 command = ""
3
4 while command != "exit":
5     command = input("Perintah : ")
6     if command == "exit":
7         break
8     if command != "+" and command != "-" and command != "*" and command != "/":
9         print("Perintah Tidak dikenali")
10        continue
11    i = int(input("Angka pertama : "))
12    j = int(input("Angka kedua : "))
13    if command == "+":
14        result = i + j
15    if command == "-":
16        result = i - j
17    if command == "*":
18        result = i * j
19    if command == "/":
20        result = i / j
21
22    print(f"Hasil : {result}")
23    print("Terima kasih sudah menggunakan aplikasi kami")
```

The TERMINAL panel at the bottom shows the execution of the script. It displays the user's input for the command and the numbers, and the resulting output. The user enters 2 for the second number, 4 for the first number, and then the division operator (/). The output shows the result 1.0. The user then enters "exit" to end the program.

```
Angka kedua : 2
Hasil : 4
Perintah : /
Angka pertama : 2
Hasil : 1.0
Perintah : exit
Terima kasih sudah menggunakan aplikasi kami
```