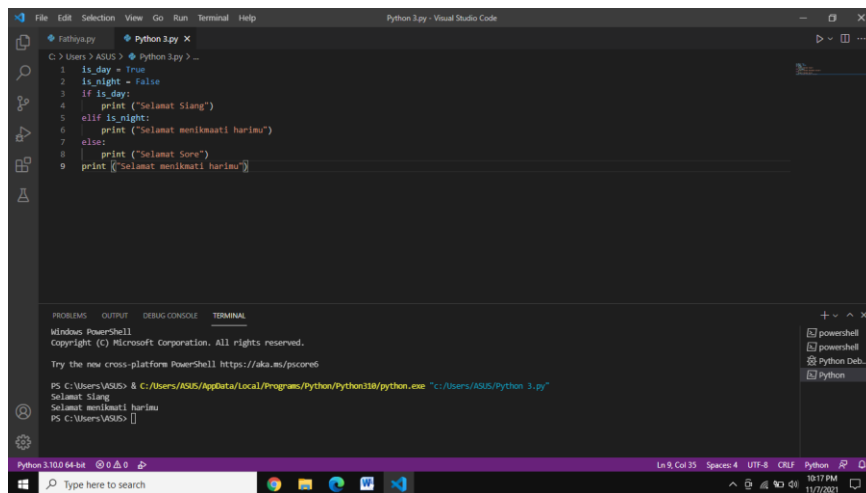


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NIM : 20.01.013.051
Kelas : Informatika-B
Mata Kuliah : Kecerdasan Buatan

Tugas Python 3

- Percabangan If



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

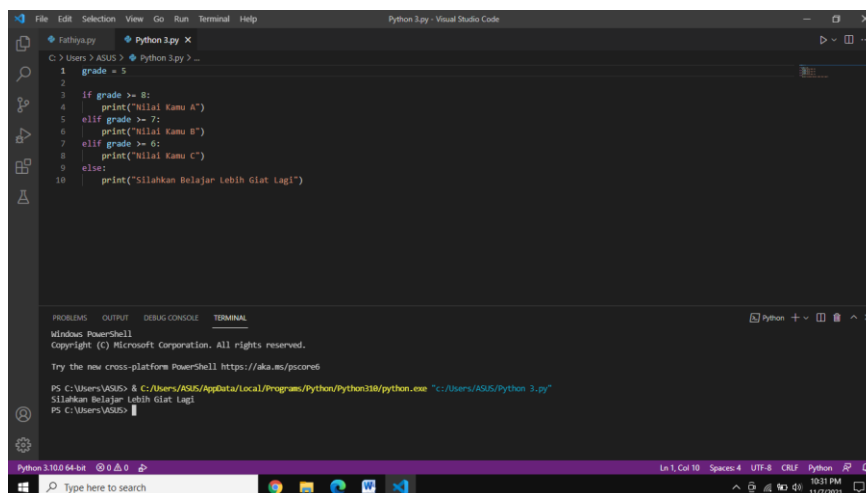
Python 3.py X
1 is_day = True
2 is_night = False
3 if is_day:
4     print("Selamat Siang")
5 elif is_night:
6     print("Selamat malam hari")
7 else:
8     print("Selamat Sore")
9 print("Selamat menikmati hari")

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL
Windows PowerShell
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Try the new cross-platform PowerShell https://aka.ms/powershell

PS C:\Users\ASUS> & C:\Users\ASUS\AppData\Local\Programs\Python\Python311\python.exe "c:\Users\ASUS\Python 3.py"
Selamat Siang
Selamat menikmati hari
PS C:\Users\ASUS>
```

- Operator Perbandingan



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

Python 3.py X
1 grade = 5
2
3 if grade >= 8:
4     print("Nilai kamu A")
5 elif grade >= 7:
6     print("Nilai kamu B")
7 elif grade >= 6:
8     print("Nilai kamu C")
9 else:
10    print("Silahkan Belajar lebih Giat Lagi")

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL
Windows PowerShell
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Try the new cross-platform PowerShell https://aka.ms/powershell

PS C:\Users\ASUS> & C:\Users\ASUS\AppData\Local\Programs\Python\Python311\python.exe "c:\Users\ASUS\Python 3.py"
Silahkan Belajar lebih Giat Lagi
PS C:\Users\ASUS>
```

- Operator Logika

The screenshot shows the Visual Studio Code editor with a Python file named `Python 3.py`. The code defines a variable `name = "Fathiya Rohaili"` and uses an `if` statement to check the length of the name. If the length is greater than 4, it prints "Welcome"; otherwise, it prints "Nama Terlalu Pendek". The terminal window shows the command `python.exe "c:/Users/ASUS/Python 3.py"` being executed, resulting in the output "Welcome".

```
1 name = "Fathiya Rohaili"
2
3 if len(name) > 4:
4     print("Welcome")
5 else:
6     print("Nama Terlalu Pendek")
```

Terminal Output:

```
PS C:\Users\ASUS> python.exe "c:/Users/ASUS/Python 3.py"
Welcome
PS C:\Users\ASUS>
```

The screenshot shows the Visual Studio Code editor with a Python file named `Python 3.py`. The code defines a variable `name = "Fat"` and uses an `if` statement to check the length of the name. If the length is greater than 4 or the condition is `True`, it prints "Welcome"; otherwise, it prints "Nama Terlalu Pendek". The terminal window shows the command `python.exe "c:/Users/ASUS/Python 3.py"` being executed, resulting in the output "Welcome".

```
1 name = "Fat"
2
3 if len(name) > 4 or True:
4     print("Welcome")
5 else:
6     print("Nama Terlalu Pendek")
```

Terminal Output:

```
PS C:\Users\ASUS> python.exe "c:/Users/ASUS/Python 3.py"
Welcome
PS C:\Users\ASUS>
```

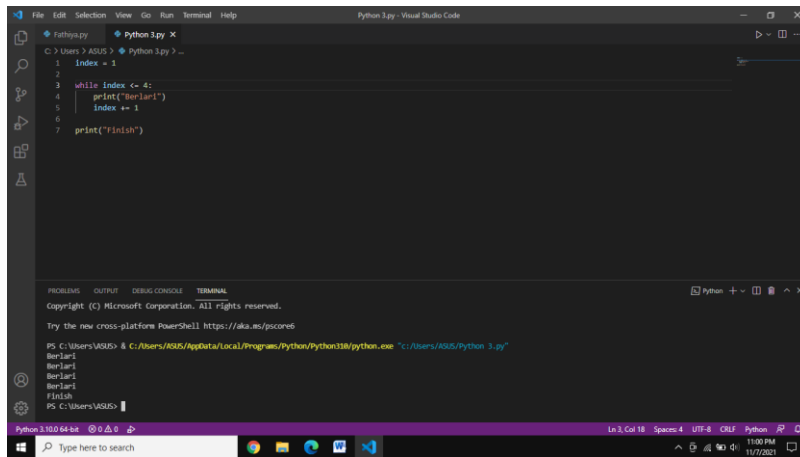
The screenshot shows the Visual Studio Code editor with a Python file named `Python 3.py`. The code defines a variable `name = "Fat"` and uses an `if` statement to check the length of the name. If the length is greater than 4, it prints "Welcome"; otherwise, it prints "Nama Terlalu Pendek". The terminal window shows the command `python.exe "c:/Users/ASUS/Python 3.py"` being executed, resulting in the output "Nama Terlalu Pendek".

```
1 name = "Fat"
2
3 if len(name) > 4:
4     print("Welcome")
5 else:
6     print("Nama Terlalu Pendek")
```

Terminal Output:

```
PS C:\Users\ASUS> python.exe "c:/Users/ASUS/Python 3.py"
Nama Terlalu Pendek
PS C:\Users\ASUS>
```

- Perulangan While



```
1 index = 1
2
3 while index <= 4:
4     print("Berlari")
5     index += 1
6
7 print("Finish")
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL

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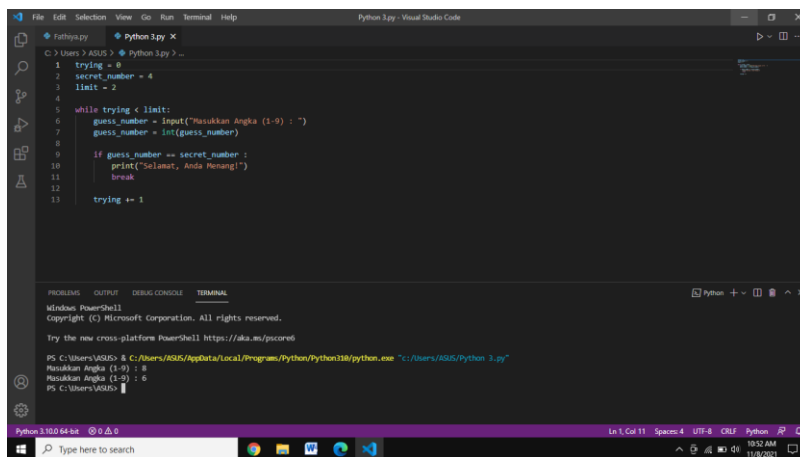
Try the new cross-platform PowerShell <https://aka.ms/powershell>

PS C:\Users\ASUS> & C:/Users/ASUS/AppData/Local/Programs/Python/Python38/python.exe "c:/Users/ASUS/Python 3.py"

Berlari
Berlari
Berlari
Berlari
Finish

PS C:\Users\ASUS>

- Game Tebak Angka



```
1 trying = 0
2 secret_number = 4
3 limit = 2
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 Menangi!")
11         break
12
13     trying += 1
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL

Windows PowerShell

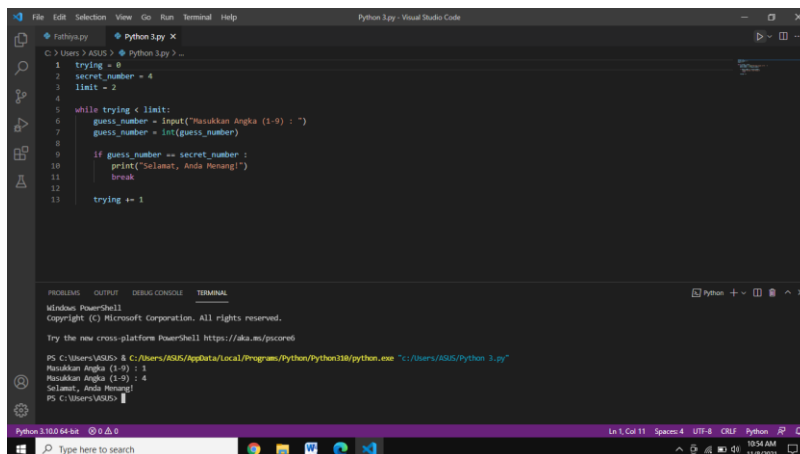
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Try the new cross-platform PowerShell <https://aka.ms/powershell>

PS C:\Users\ASUS> & C:/Users/ASUS/AppData/Local/Programs/Python/Python38/python.exe "c:/Users/ASUS/Python 3.py"

Masukkan Angka (1-9) : 8
Masukkan Angka (1-9) : 6

PS C:\Users\ASUS>



```
1 trying = 0
2 secret_number = 4
3 limit = 2
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 Menangi!")
11         break
12
13     trying += 1
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL

Windows PowerShell

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Try the new cross-platform PowerShell <https://aka.ms/powershell>

PS C:\Users\ASUS> & C:/Users/ASUS/AppData/Local/Programs/Python/Python38/python.exe "c:/Users/ASUS/Python 3.py"

Masukkan Angka (1-9) : 1
Masukkan Angka (1-9) : 4
Selamat, Anda Menangi!

PS C:\Users\ASUS>

- Aplikasi Kalkulator

```
Python 3.py - Visual Studio Code
Python 3.py X
C:\Users\ASUS> Python 3.py
1 # + * / exit)
2 command = ""
3
4 while command != "exit":
5     command = input(" perintah : ")
6
7     if command == "exit":
8         break
9
10    if command != "+" and command != "-" and command != "*" and command != "/" :
11        print("perintah tidak valid")
12        continue
13
14    a = int(input("Angka Pertama : "))
15    b = int(input("Angka Kedua : "))
16
17    if command == "+":
18        result = a + b
19    if command == "-":
20        result = a - b
21    if command == "*":
22        result = a * b
23    if command == "/":
24        result = a / b
25
26    print(f"Hasil : {result}")
27
28 print("Terimakasih sudah menggunakan aplikasi kami")
```

```
Python 3.py - Visual Studio Code
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL
Python + - - - - -
Hasil : 2
perintah : +
Angka Pertama : 2
Angka Kedua : 2
Hasil : 4
perintah : /
Angka Pertama : 2
Angka Kedua : 2
Hasil : 1.0
perintah : exit
Terimakasih sudah menggunakan aplikasi kami
PS C:\Users\ASUS>
```