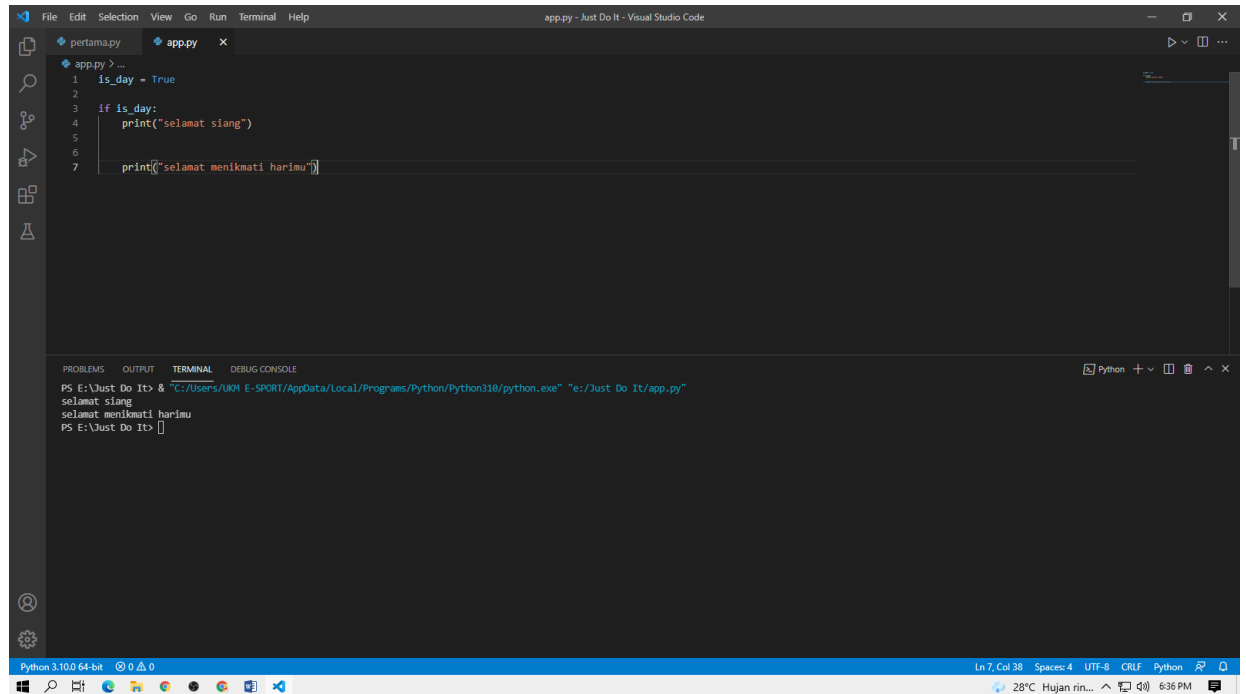


Tugas Python 3 – Fauzan Ruslan

1. Percabangan If



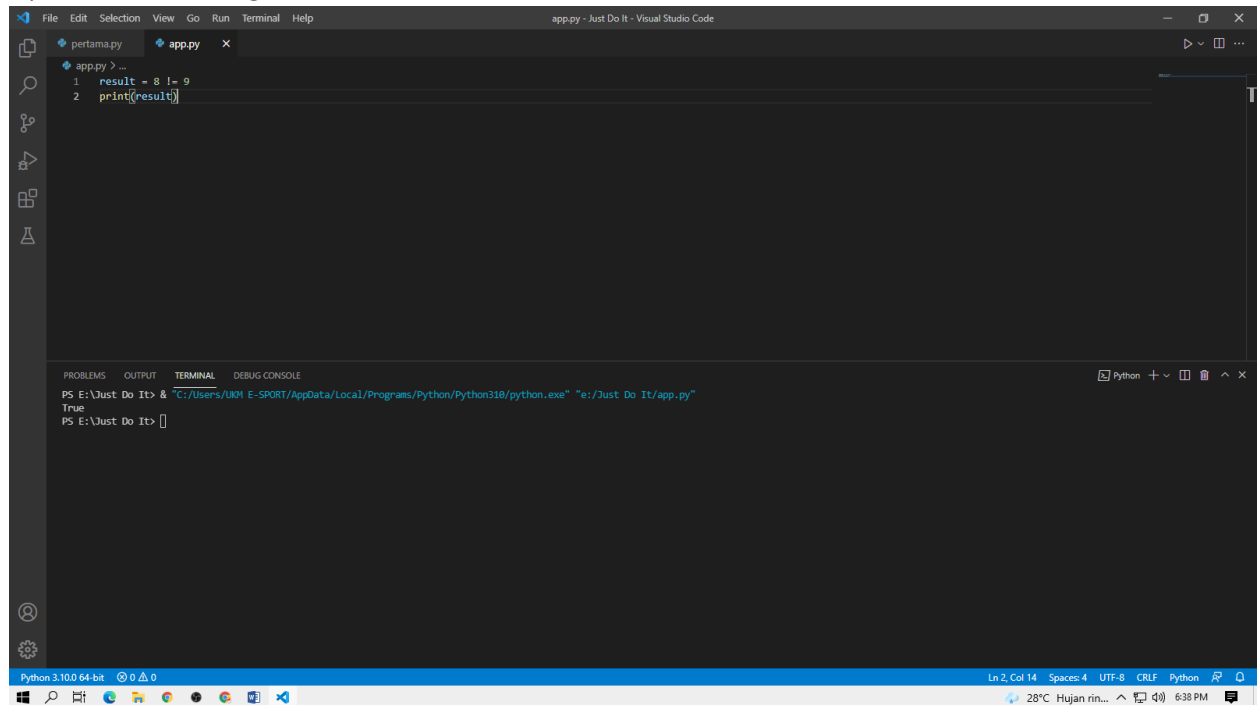
The screenshot shows the Visual Studio Code editor with a file named `app.py` open. The code in the editor is as follows:

```
1 is_day = True
2
3
4 if is_day:
5     print("selamat siang")
6
7     print("selamat menikmati harimu")
```

The terminal at the bottom shows the command `python.exe "e:/Just Do It/app.py"` being executed, resulting in the output:

```
selamat siang
selamat menikmati harimu
PS E:\Just Do It>
```

2. Operator Perbandingan



The screenshot shows the Visual Studio Code editor with a file named `app.py` open. The code in the editor is as follows:

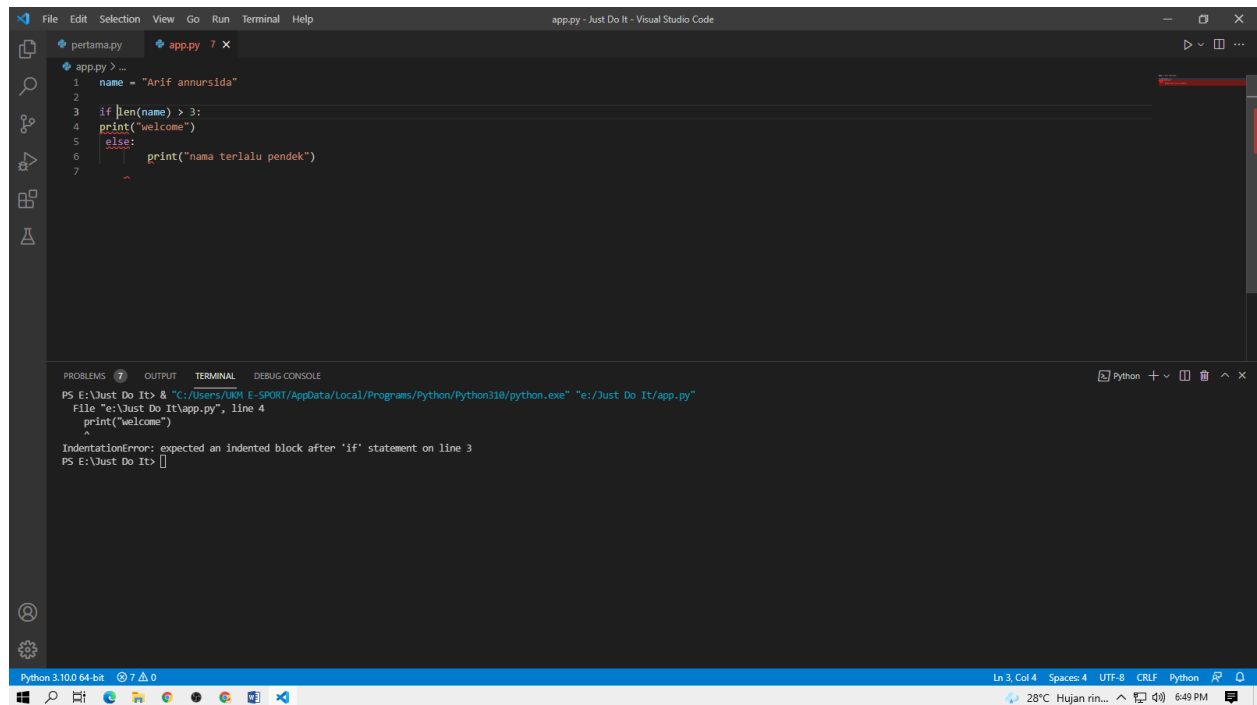
```
1 result = 8 != 9
2 print(result)
```

The terminal at the bottom shows the command `python.exe "e:/Just Do It/app.py"` being executed, resulting in the output:

```
True
PS E:\Just Do It>
```

3. Operator Logika

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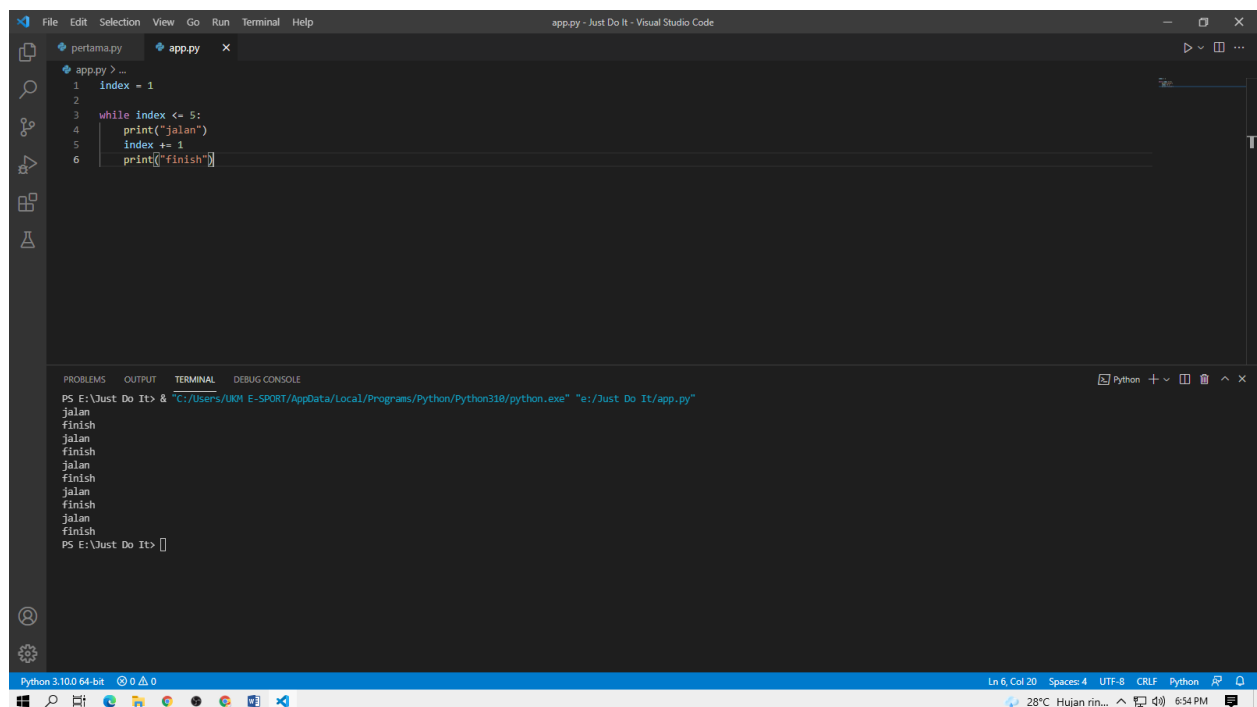
The screenshot shows the Visual Studio Code editor with a file named `app.py` open. The code in the editor is as follows:

```
1 name = "Arif annursida"
2
3 if len(name) > 3:
4     print("welcome")
5 else:
6     print("nama terlalu pendek")
7
```

The terminal at the bottom shows the command `PS E:\Just Do It> & "C:/Users/UKM E-SPORT/AppData/Local/Programs/Python/Python310/python.exe" "e:/Just Do It/app.py"` and the resulting error message:

```
File "e:/Just Do It/app.py", line 4
    print("welcome")
    ^
IndentationError: expected an indented block after 'if' statement on line 3
PS E:\Just Do It>
```

4. Perulangan While



The screenshot shows the Visual Studio Code editor with a file named `app.py` open. The code in the editor is as follows:

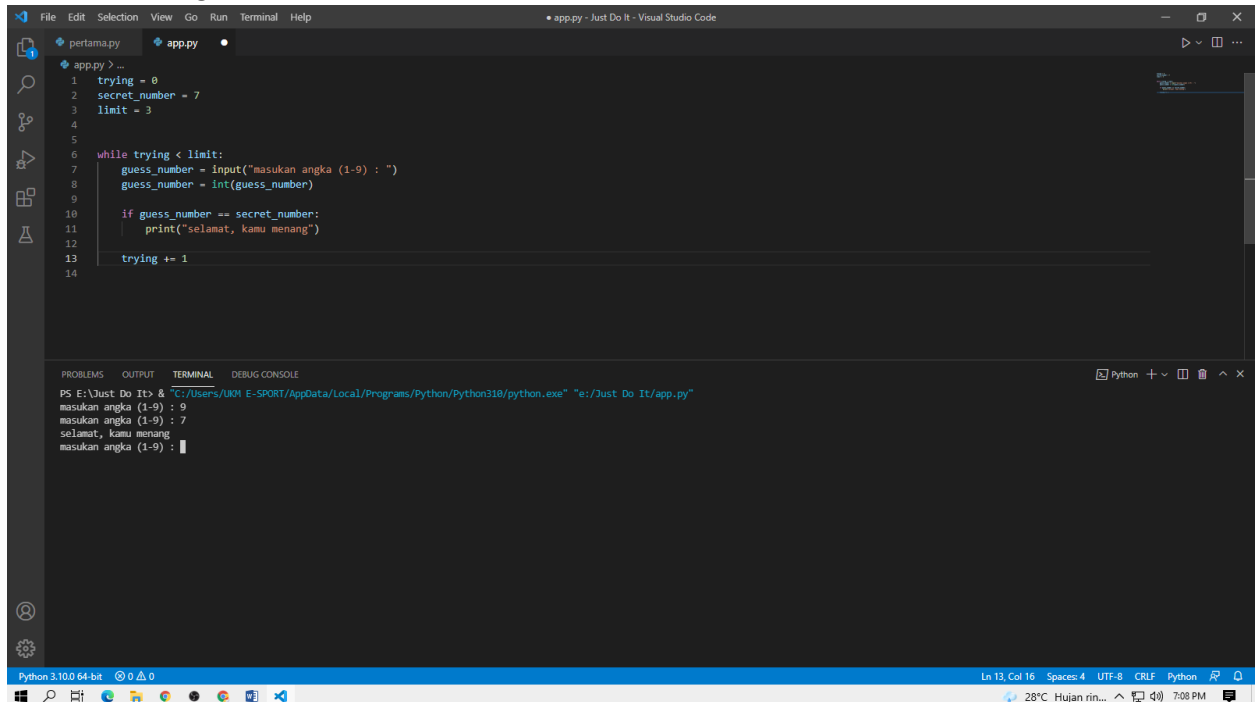
```
1 index = 1
2
3 while index <= 5:
4     print("jalan")
5     index += 1
6     print("finish")
```

The terminal at the bottom shows the command `PS E:\Just Do It> & "C:/Users/UKM E-SPORT/AppData/Local/Programs/Python/Python310/python.exe" "e:/Just Do It/app.py"` and the resulting output:

```
jalan
finish
jalan
finish
jalan
finish
jalan
finish
jalan
finish
PS E:\Just Do It>
```

Tugas Python 3 – Fauzan Ruslan

5. Game Tebak Angka



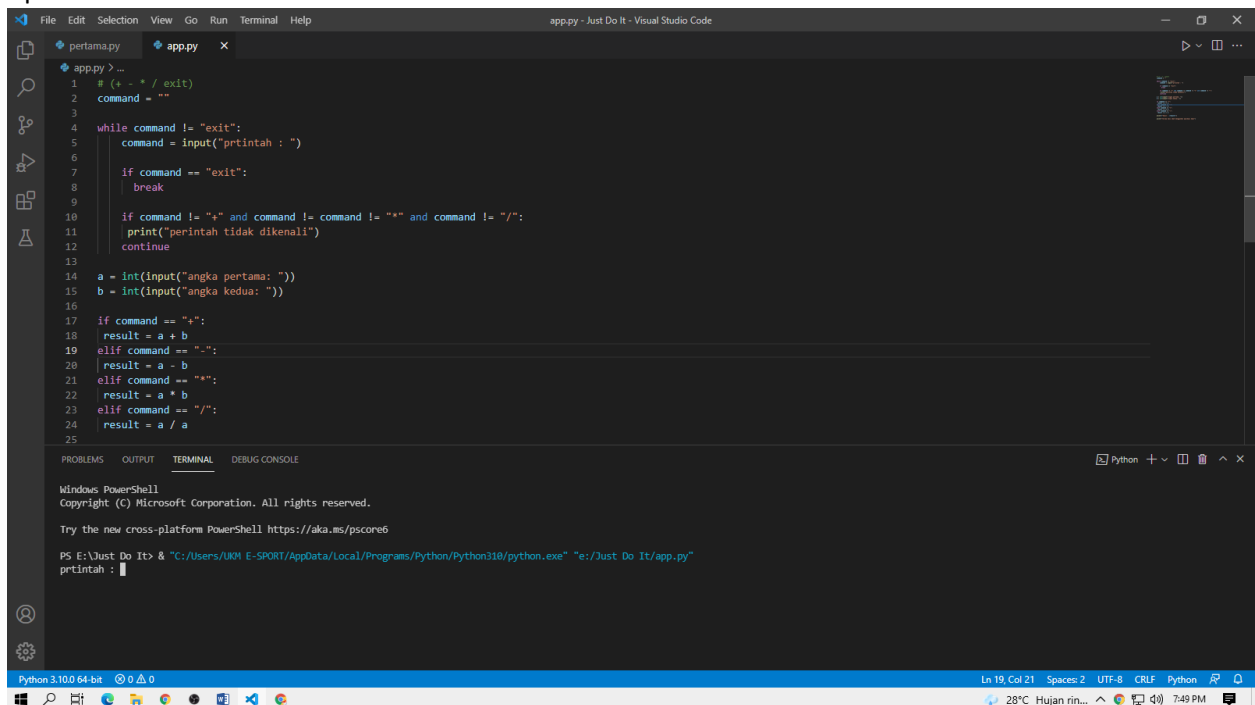
The screenshot shows a Visual Studio Code editor with a file named `app.py` open. The code is a Python script for a number guessing game. It sets a `secret_number` to 7 and a `limit` to 3. It then enters a `while` loop that prompts the user to guess a number between 1 and 9. If the guess is correct, it prints "selamat, kamu menang" and increments the `trying` counter. The terminal output shows the user entering 9, then 7, and receiving the success message.

```
app.py > ...
1  trying = 0
2  secret_number = 7
3  limit = 3
4
5
6  while trying < limit:
7      guess_number = input("masukan angka (1-9) : ")
8      guess_number = int(guess_number)
9
10     if guess_number == secret_number:
11         print("selamat, kamu menang")
12
13     trying += 1
14
```

Terminal Output:

```
PS E:\Just Do It> "C:\Users\UKM E-SPORT\AppData\Local\Programs\Python\Python310\python.exe" "e:/Just Do It/app.py"
masukan angka (1-9) : 9
masukan angka (1-9) : 7
selamat, kamu menang
masukan angka (1-9) :
```

6. Aplikasi Kalkulator



The screenshot shows a Visual Studio Code editor with a file named `app.py` open. The code is a Python script for a calculator application. It prompts the user to enter a command (addition, subtraction, multiplication, or division) and two numbers. It then performs the calculation and displays the result. The terminal output shows the user entering the addition command and two numbers, and receiving the result.

```
app.py > ...
1  # (+ - * / exit)
2  command = ""
3
4  while command != "exit":
5      command = input("printah : ")
6
7      if command == "exit":
8          break
9
10     if command != "+" and command != "-" and command != "*" and command != "/":
11         print("perintah tidak dikenali")
12         continue
13
14     a = int(input("angka pertama: "))
15     b = int(input("angka kedua: "))
16
17     if command == "+":
18         result = a + b
19     elif command == "-":
20         result = a - b
21     elif command == "*":
22         result = a * b
23     elif command == "/":
24         result = a / b
25
```

Terminal Output:

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

PS E:\Just Do It> "C:\Users\UKM E-SPORT\AppData\Local\Programs\Python\Python310\python.exe" "e:/Just Do It/app.py"
printah :

```