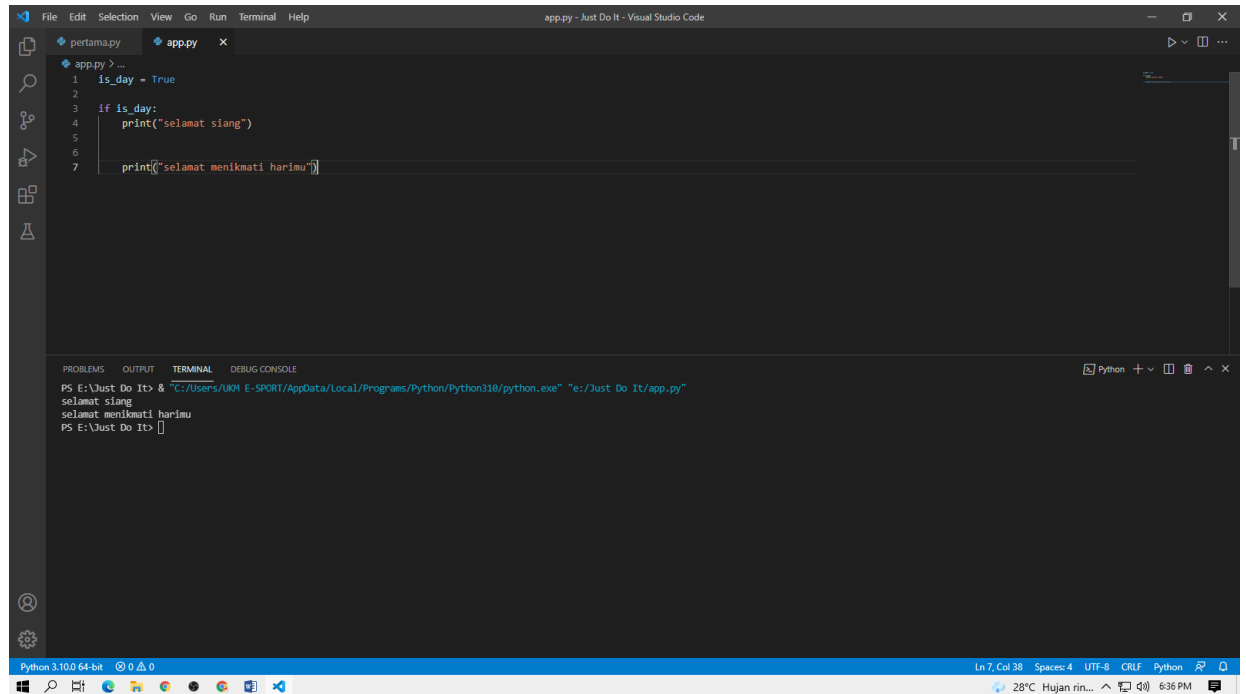


Tugas 3 – Fauzan Ruslan Python

1. Percabangan If



The screenshot displays the Visual Studio Code interface. The editor window shows a file named `app.py` with the following Python code:

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

The bottom panel shows the **TERMINAL** tab, which contains the output of running the script:

```
PS E:\Just Do It> & "C:/Users/UKM E-SPORT/AppData/Local/Programs/Python/Python310/python.exe" "e:/Just Do It/app.py"
selamat siang
selamat menikmati harimu
PS E:\Just Do It>
```

The status bar at the bottom indicates the Python version is 3.10.0 64-bit, and the current file is `Ln 7, Col 38` with 4 spaces and UTF-8 encoding.

2. Operator Perbandingan

The screenshot shows the Visual Studio Code interface. The editor window displays a file named `app.py` with the following content:

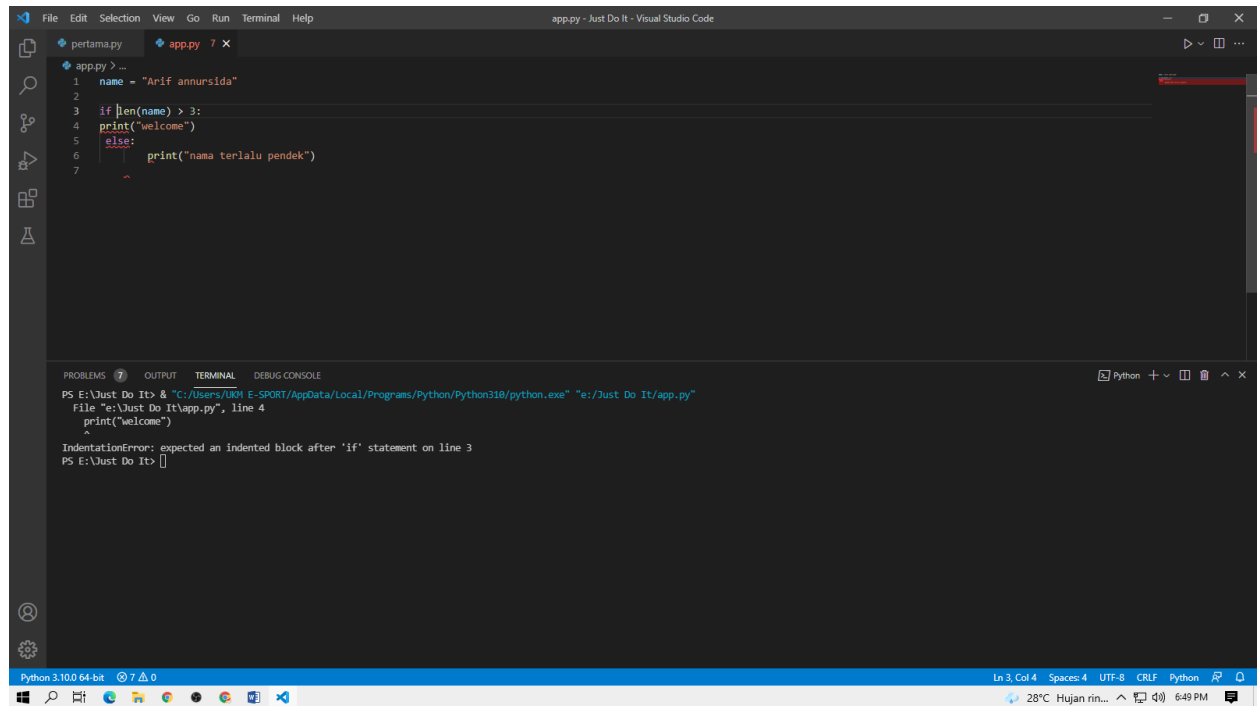
```
1 result = 8 + 9
2 print(result)
```

The terminal at the bottom shows the command prompt output:

```
PS E:\Just Do It> & "C:/Users/UKH E-SPORT/AppData/Local/Programs/Python/Python310/python.exe" "e:/Just Do It/app.py"
True
PS E:\Just Do It> |
```

The status bar at the bottom indicates the Python version is 3.10.0 64-bit, and the file is encoded in UTF-8 with CRLF line endings.

3. Operator Logika



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

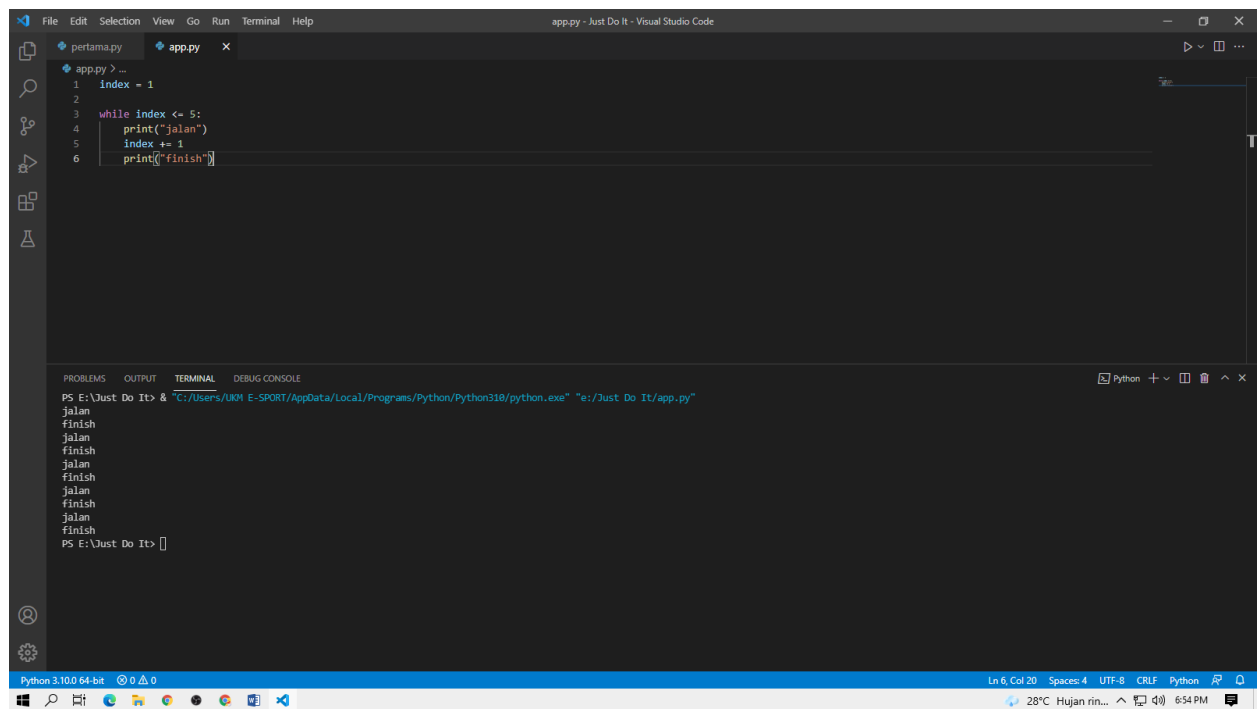
```
1 name = "Arif annursida"
2
3 if len(name) > 3:
4     print("welcome")
5 else:
6     print("nama terlalu pendek")
7
```

The `TERMINAL` panel at the bottom shows the command prompt output:

```
PS E:\Just Do It> & "C:/Users/UMM E-SPORT/AppData/Local/Programs/Python/Python318/python.exe" "e:/Just Do It/app.py"
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>
```

The status bar at the bottom indicates the file is at line 3, column 4, with 4 spaces, UTF-8 encoding, and CRLF line endings.

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:

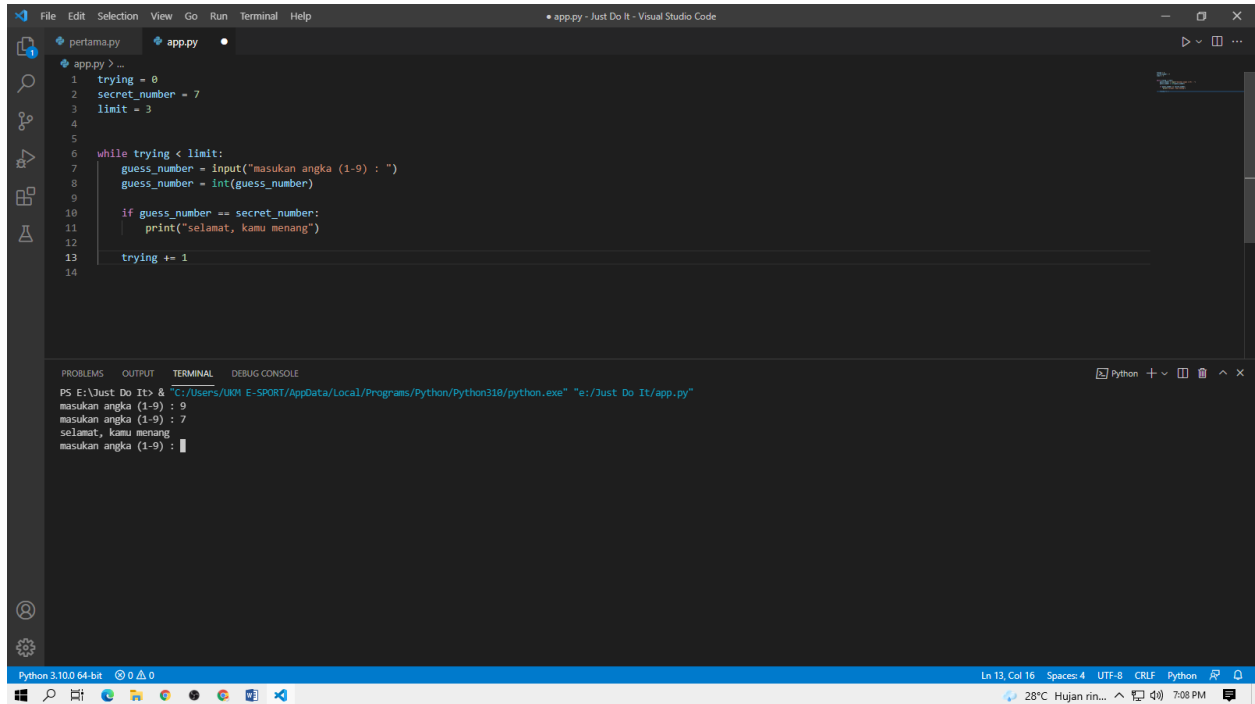
```
1 index = 1
2
3 while index <= 5:
4     print("jalan")
5     index += 1
6     print("finish")
```

The `TERMINAL` panel at the bottom shows the command prompt output:

```
PS E:\Just Do It> & "C:/Users/UMM E-SPORT/AppData/Local/Programs/Python/Python318/python.exe" "e:/Just Do It/app.py"
jalan
finish
jalan
finish
jalan
finish
jalan
finish
jalan
finish
PS E:\Just Do It>
```

The status bar at the bottom indicates the file is at line 6, column 20, with 4 spaces, UTF-8 encoding, and CRLF line endings.

5. Game Tebak Angka



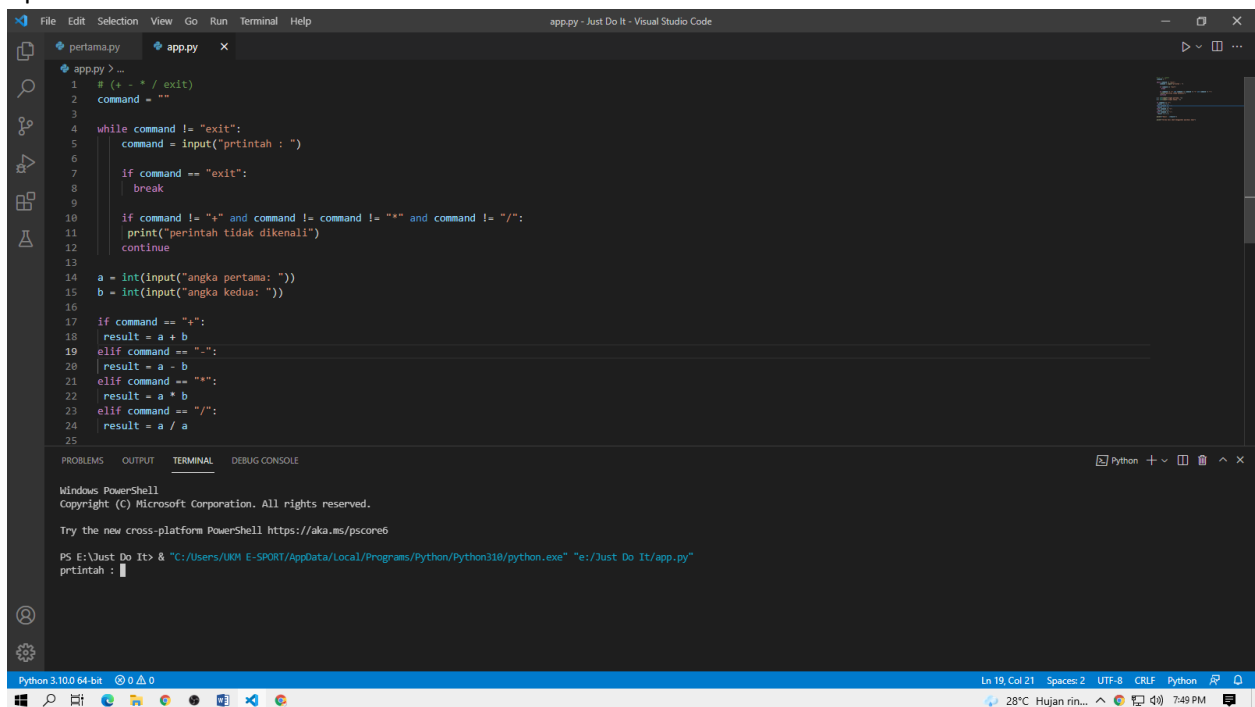
The screenshot shows the Visual Studio Code editor with a Python file named `app.py`. The code implements a number guessing game where the user has 3 attempts to guess a secret number (7). The terminal output shows the user entering 9, then 7, and receiving the message "selamat, kamu menang".

```
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 the Visual Studio Code editor with a Python file named `app.py`. The code implements a simple calculator that takes two numbers and performs addition, subtraction, multiplication, or division based on the user's command. The terminal output shows the user entering the command "printah" and the program prompting for two numbers.

```
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/pscore6

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