

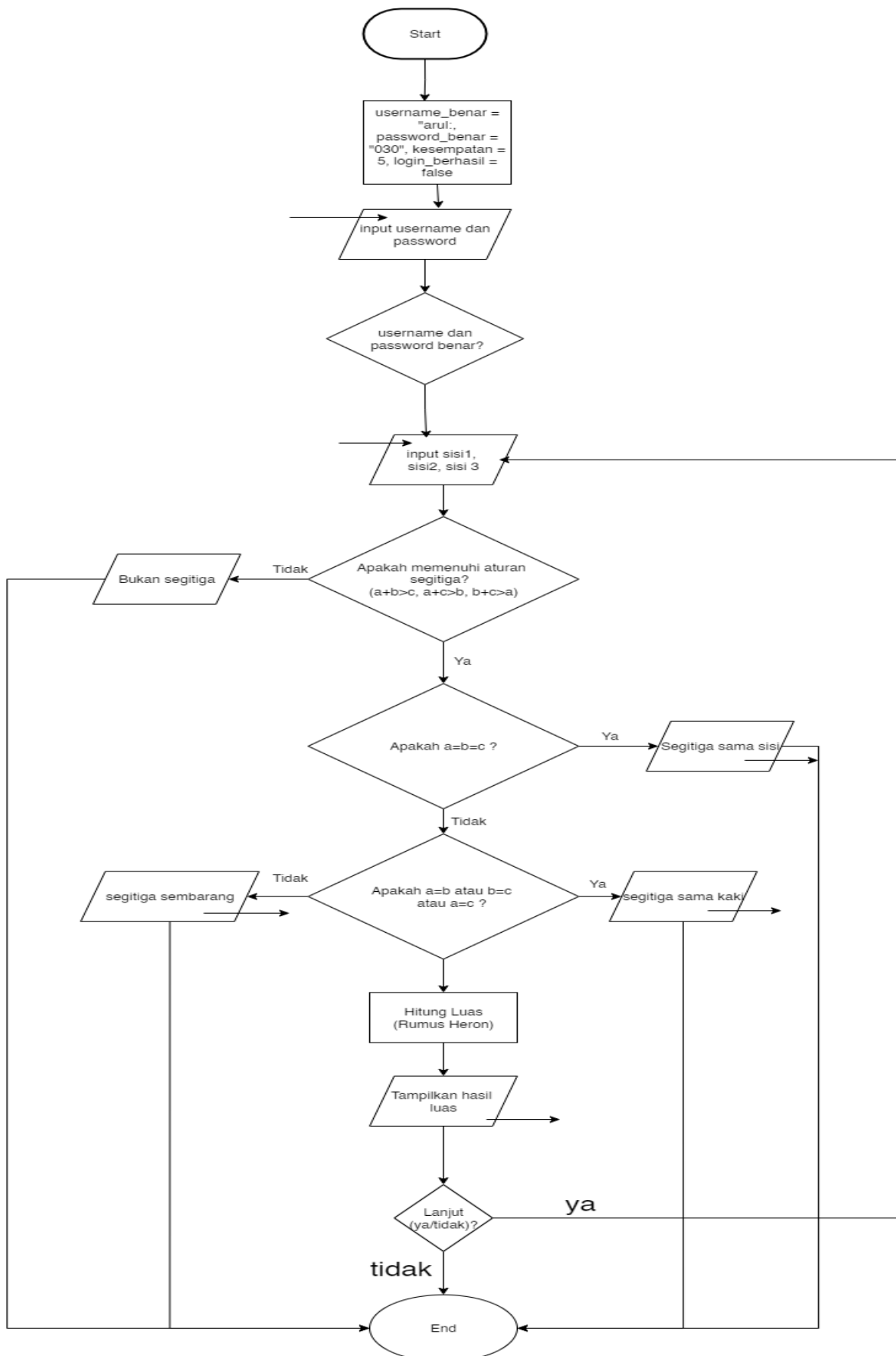
LAPORAN PRAKTIKUM
POSTTEST (4)
ALGORITMA PEMROGRAMAN DASAR



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PROGRAM STUDI INFORMATIKA
UNIVERSITAS MULAWARMAN
SAMARINDA
2025

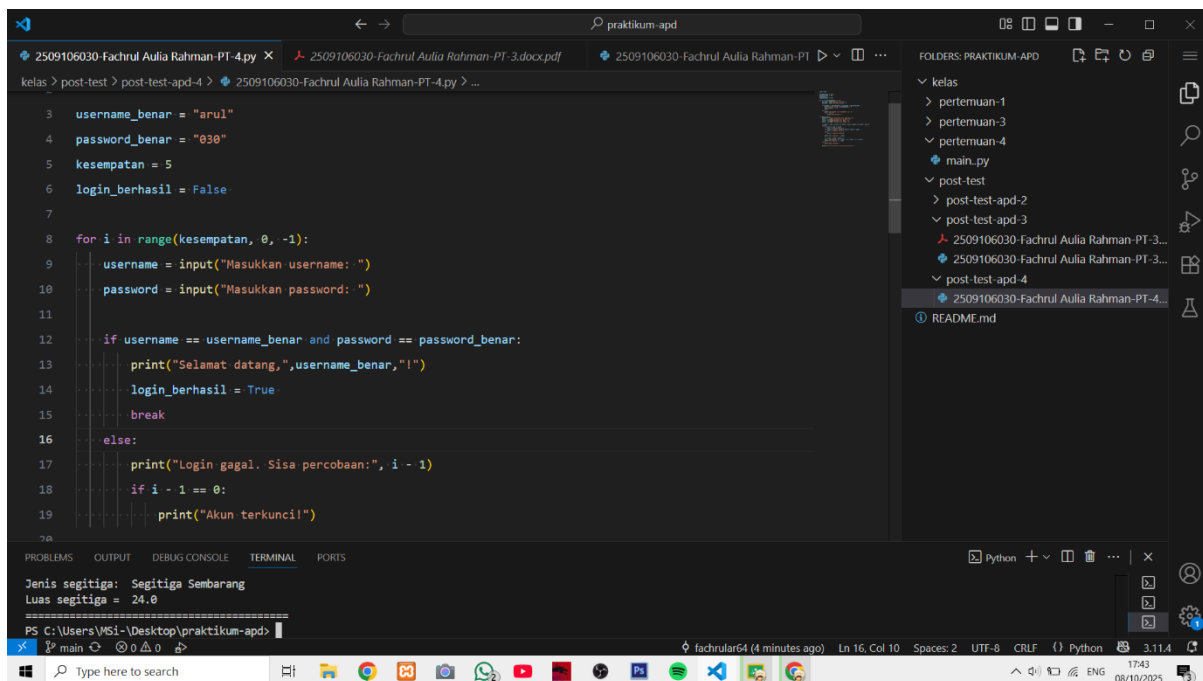
1.Flowchart



2. Deskripsi Singkat Program

- Kegunaan dari program ini adalah untuk menginput Username dan password terlebih dahulu sebelum bisa mengakses program utama yaitu menentukan jenis segitiga.

3. Source Code

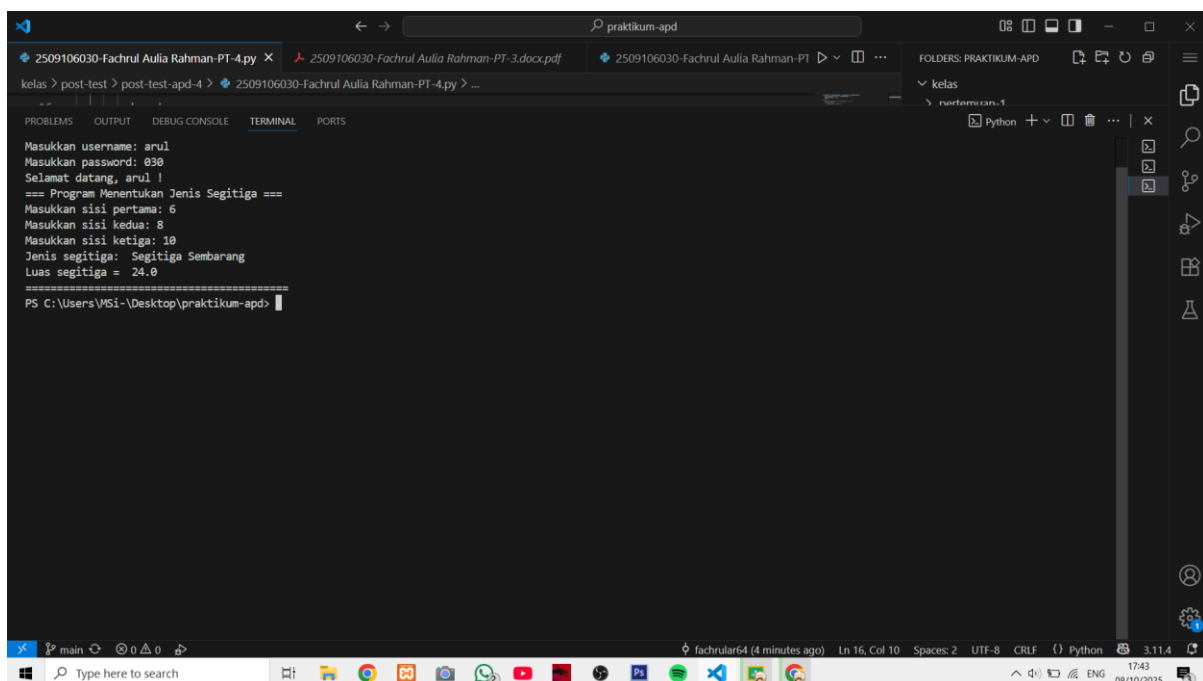


```
3 username_benar = "arul"
4 password_benar = "030"
5 kesempatan = 5
6 login_berhasil = False
7
8 for i in range(kesempatan, 0, -1):
9     username = input("Masukkan username: ")
10    password = input("Masukkan password: ")
11
12    if username == username_benar and password == password_benar:
13        print("Selamat datang, ", username_benar, "!")
14        login_berhasil = True
15        break
16    else:
17        print("Login gagal. Sisa percobaan:", i - 1)
18        if i - 1 == 0:
19            print("Akun terkunci!")
20
```

Output in terminal:

```
Jenis segitiga: Segitiga Sembarang
Luas segitiga = 24.0
=====
PS C:\Users\MSI-\Desktop\praktikum-apd>
```

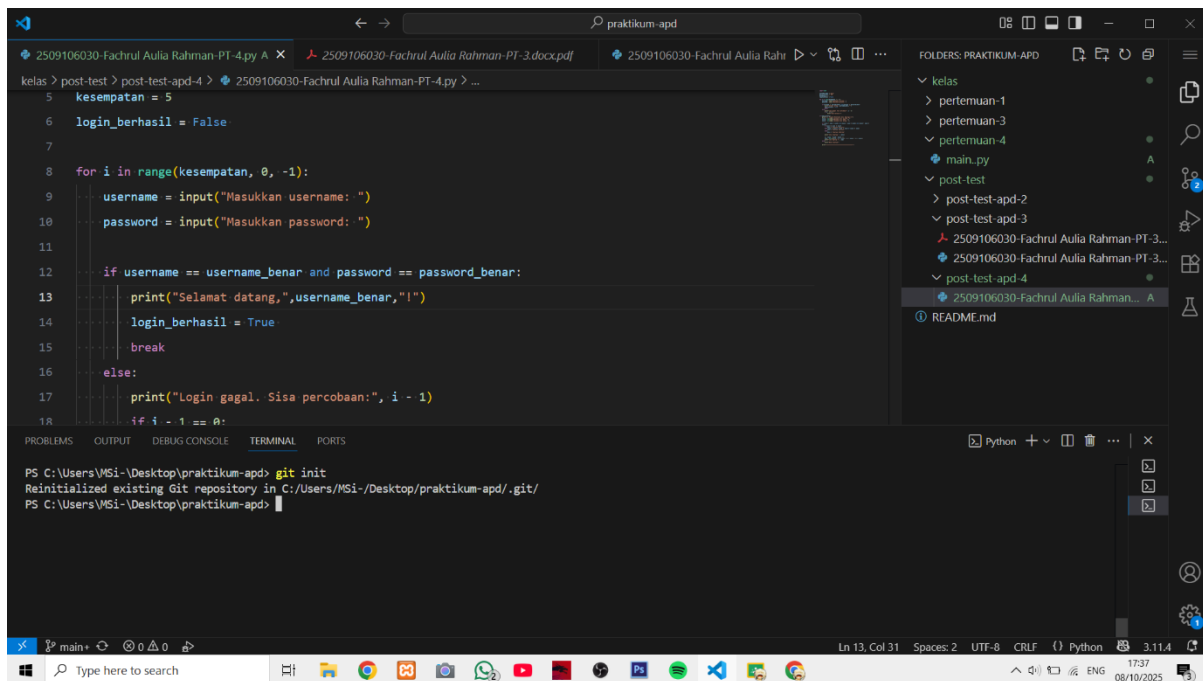
4. Hasil Output



```
Masukkan username: arul
Masukkan password: 030
Selamat datang, arul !
=== Program Menentukan Jenis Segitiga ===
Masukkan sisi pertama: 6
Masukkan sisi kedua: 8
Masukkan sisi ketiga: 10
Jenis segitiga: Segitiga Sembarang
Luas segitiga = 24.0
=====
PS C:\Users\MSI-\Desktop\praktikum-apd>
```

5. Langkah-langkah GIT

5.1 GIT Init



The screenshot shows the Visual Studio Code editor with a Python file named `main.py` open. The code is a login script that prompts for a username and password, checks them against predefined values, and prints a success or failure message. The terminal window at the bottom shows the command `git init` being executed in the directory `C:\Users\MSi\Desktop\praktikum-apd`. The output indicates that an existing Git repository was reinitialized. The file explorer on the right shows the project structure, including a `README.md` file.

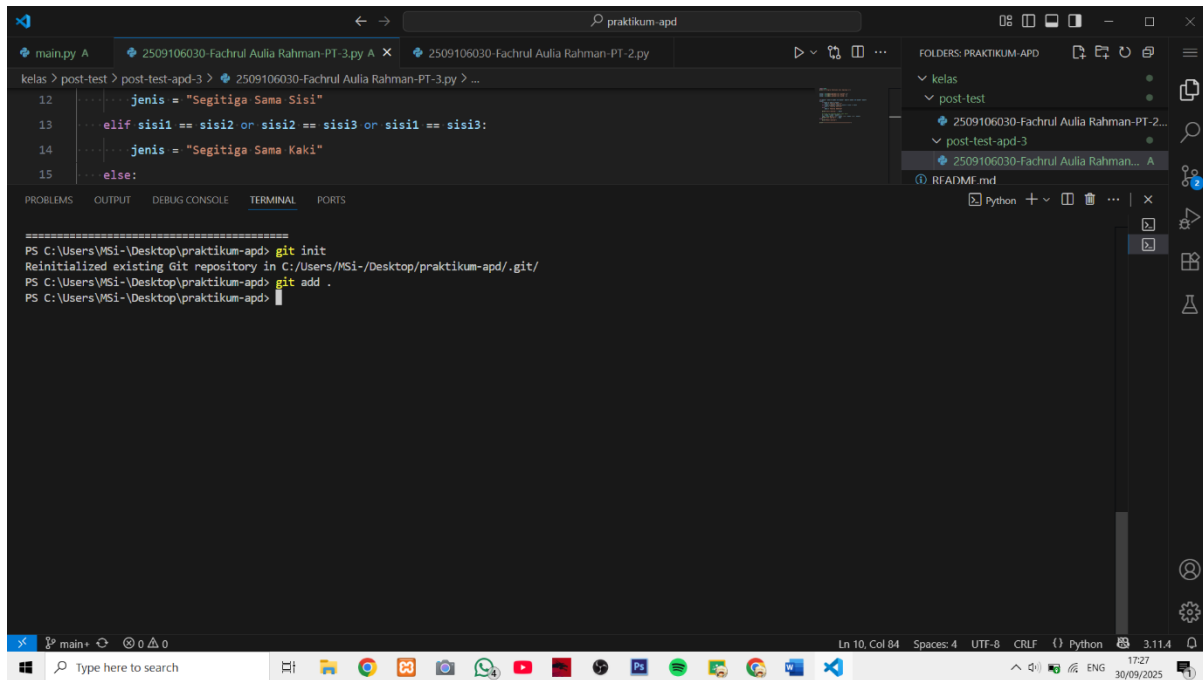
```
2509106030-Fachrul Aulia Rahman-PT-4.py
2509106030-Fachrul Aulia Rahman-PT-3.docx.pdf
2509106030-Fachrul Aulia Rahman-PT-4.py > ...

kelas > post-test > post-test-apd-4 > 2509106030-Fachrul Aulia Rahman-PT-4.py > ...

5 kesempatan = 5
6 login_berhasil = False
7
8 for i in range(kesempatan, 0, -1):
9     username = input("Masukkan username: ")
10    password = input("Masukkan password: ")
11
12    if username == username_benar and password == password_benar:
13        print("Selamat datang,", username_benar, "!")
14        login_berhasil = True
15        break
16    else:
17        print("Login gagal. Sisa percobaan:", i - 1)
18    if i - 1 == 0:
```

```
PS C:\Users\MSi\Desktop\praktikum-apd> git init
Reinitialized existing Git repository in C:\Users\MSi\Desktop\praktikum-apd/.git/
PS C:\Users\MSi\Desktop\praktikum-apd>
```

5.2 GIT Add

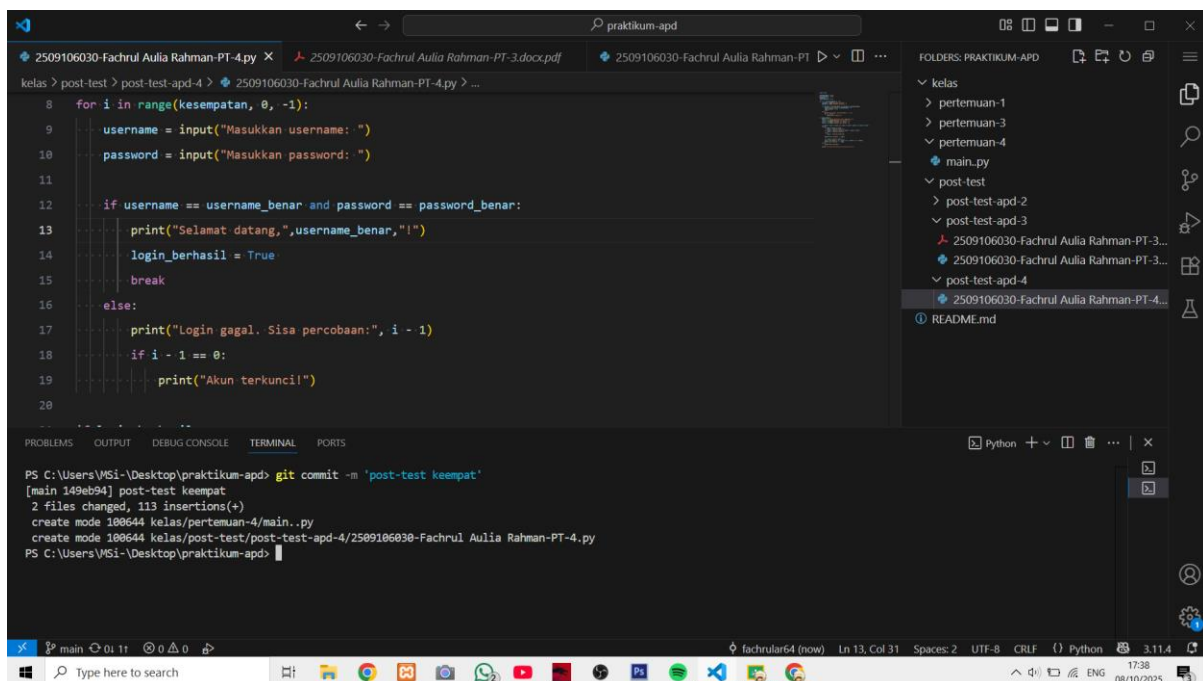


The screenshot shows the Visual Studio Code interface with a Python file open in the editor. The file contains a simple conditional statement to determine the shape of a triangle based on three sides. The terminal at the bottom shows the execution of the following commands:

```
PS C:\Users\MSI\Desktop\praktikum-apd> git init
Reinitialized existing Git repository in C:\Users\MSI\Desktop\praktikum-apd/.git/
PS C:\Users\MSI\Desktop\praktikum-apd> git add .
PS C:\Users\MSI\Desktop\praktikum-apd>
```

The file explorer on the right shows the project structure, including a 'kelas' folder and several test files.

5.3 GIT Commit

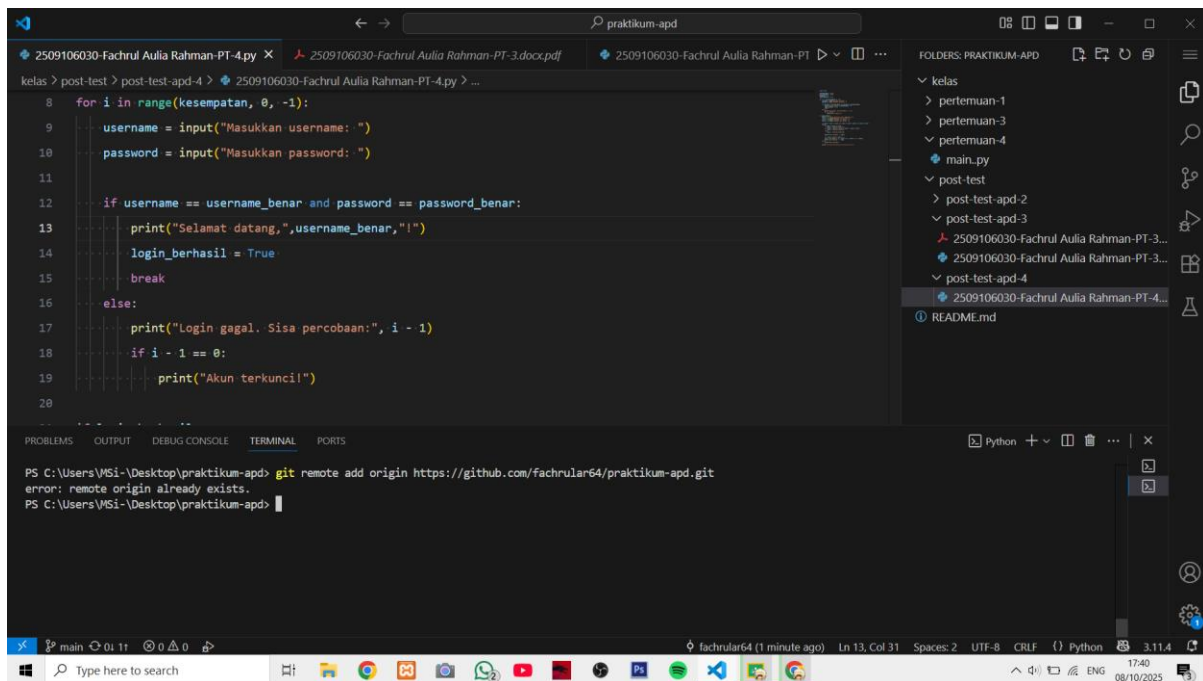


The screenshot shows the Visual Studio Code interface with a Python file open in the editor. The file contains a login validation script. The terminal at the bottom shows the execution of the following commands:

```
PS C:\Users\MSI\Desktop\praktikum-apd> git commit -m 'post-test keempat'
[main 149eb94] post-test keempat
2 files changed, 113 insertions(+)
create mode 100644 kelas/pertemuan-4/main.py
create mode 100644 kelas/post-test/post-test-apd-4/2509106030-Fachrul Aulia Rahman-PT-4.py
PS C:\Users\MSI\Desktop\praktikum-apd>
```

The file explorer on the right shows the project structure, including a 'kelas' folder and several test files.

5.4 GIT Remote

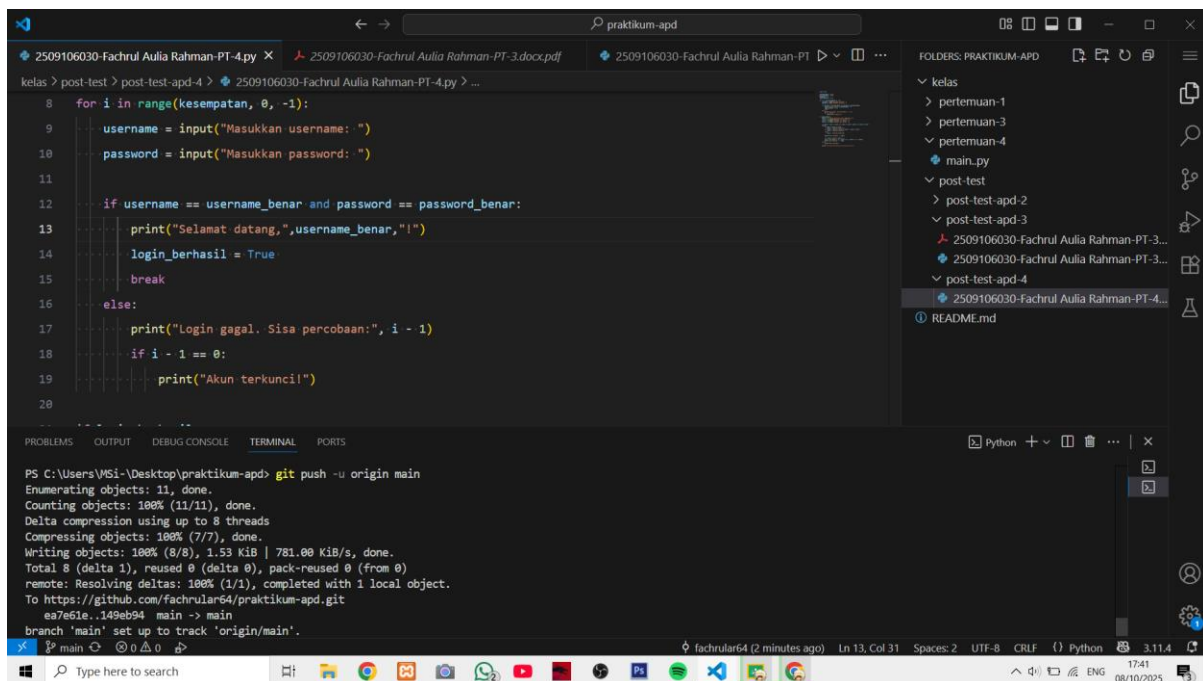


The screenshot shows the Visual Studio Code editor with a Python file named `2509106030-Fachrul Aulia Rahman-PT-4.py` open. The code is a simple login script. Below the editor, the terminal window shows the command `git remote add origin https://github.com/fachrular64/praktikum-apd.git` being executed. The output indicates that the remote origin already exists.

```
8 for i in range(kesempatan, 0, -1):
9     username = input("Masukkan username: ")
10    password = input("Masukkan password: ")
11
12    if username == username_benar and password == password_benar:
13        print("Selamat datang,", username_benar, "!")
14        login_berhasil = True
15        break
16    else:
17        print("Login gagal. Sisa percobaan:", i - 1)
18        if i - 1 == 0:
19            print("Akun terkunci!")
20
```

```
PS C:\Users\MSI\Desktop\praktikum-apd> git remote add origin https://github.com/fachrular64/praktikum-apd.git
error: remote origin already exists.
PS C:\Users\MSI\Desktop\praktikum-apd>
```

5.5 GIT Push



The screenshot shows the Visual Studio Code editor with the same Python file. The terminal window now shows the command `git push -u origin main` being executed. The output shows the progress of pushing the code to the remote repository, including object enumeration, compression, and writing.

```
8 for i in range(kesempatan, 0, -1):
9     username = input("Masukkan username: ")
10    password = input("Masukkan password: ")
11
12    if username == username_benar and password == password_benar:
13        print("Selamat datang,", username_benar, "!")
14        login_berhasil = True
15        break
16    else:
17        print("Login gagal. Sisa percobaan:", i - 1)
18        if i - 1 == 0:
19            print("Akun terkunci!")
20
```

```
PS C:\Users\MSI\Desktop\praktikum-apd> git push -u origin main
Enumerating objects: 11, done.
Counting objects: 100% (11/11), done.
Delta compression using up to 8 threads
Compressing objects: 100% (7/7), done.
Writing objects: 100% (8/8), 1.53 KiB | 781.00 KiB/s, done.
Total 8 (delta 1), reused 0 (delta 0), pack-reused 0 (from 0)
remote: Resolving deltas: 100% (1/1), completed with 1 local object.
To https://github.com/fachrular64/praktikum-apd.git
   ea7e61e..149eb94  main -> main
branch 'main' set up to track 'origin/main'.
```