

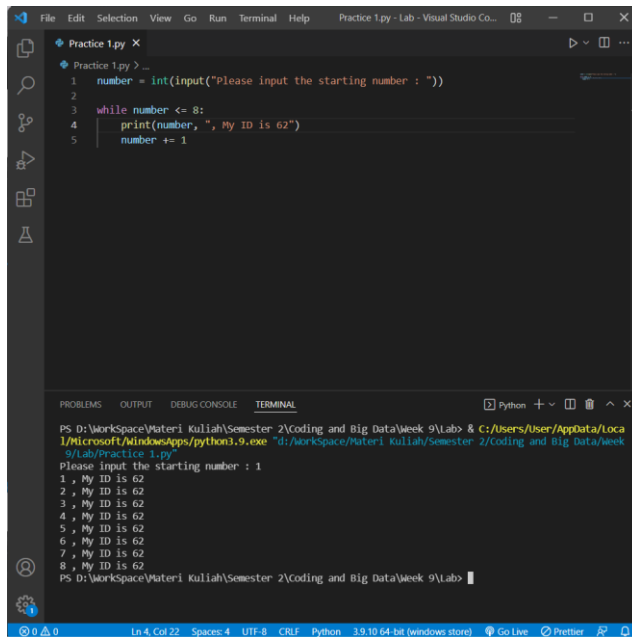
Lab Assignment Week 9

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Practice 1



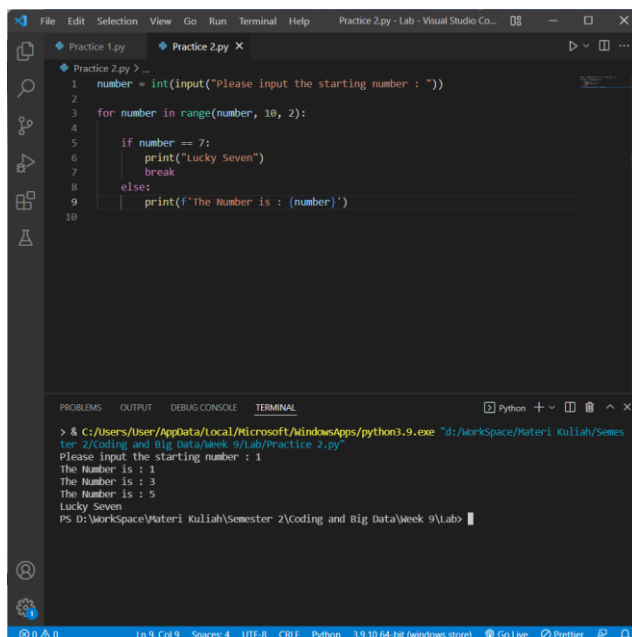
The screenshot shows a Visual Studio Code window with a file named 'Practice 1.py'. The code in the editor is as follows:

```
1 number = int(input("Please input the starting number : "))
2
3 while number <= 8:
4     print(number, ", My ID is 62")
5     number += 1
```

The bottom panel shows the 'TERMINAL' output, which matches the code's execution:

```
PS D:\Workspace\Materi Kuliah\Semester 2\Coding and Big Data\Week 9\Lab> & C:\Users\User\AppData\Local\Microsoft\WindowsApps\python3.9.exe "d:\workspace\materi kuliah\semester 2\coding and big data\week 9\lab\practice 1.py"
Please input the starting number : 1
1 , My ID is 62
2 , My ID is 62
3 , My ID is 62
4 , My ID is 62
5 , My ID is 62
6 , My ID is 62
7 , My ID is 62
8 , My ID is 62
PS D:\Workspace\Materi Kuliah\Semester 2\Coding and Big Data\Week 9\Lab>
```

Practice 2



The screenshot shows a Visual Studio Code window with a file named 'Practice 2.py'. The code in the editor is as follows:

```
1 number = int(input("Please input the starting number : "))
2
3 for number in range(number, 10, 2):
4
5     if number == 7:
6         print("Lucky Seven")
7         break
8     else:
9         print(f'The Number is : {number}')
10
```

The bottom panel shows the 'TERMINAL' output, which matches the code's execution:

```
> & C:\Users\User\AppData\Local\Microsoft\WindowsApps\python3.9.exe "d:\workspace\materi kuliah\semester 2\coding and big data\week 9\lab\practice 2.py"
Please input the starting number : 1
The Number is : 1
The Number is : 3
The Number is : 5
Lucky Seven
PS D:\Workspace\Materi Kuliah\Semester 2\coding and Big Data\Week 9\Lab>
```

Practice 3

[illegible]

Practice 4

The screenshot shows the Visual Studio Code interface. The editor window displays a Python script named 'Practice 4.py' with the following code:

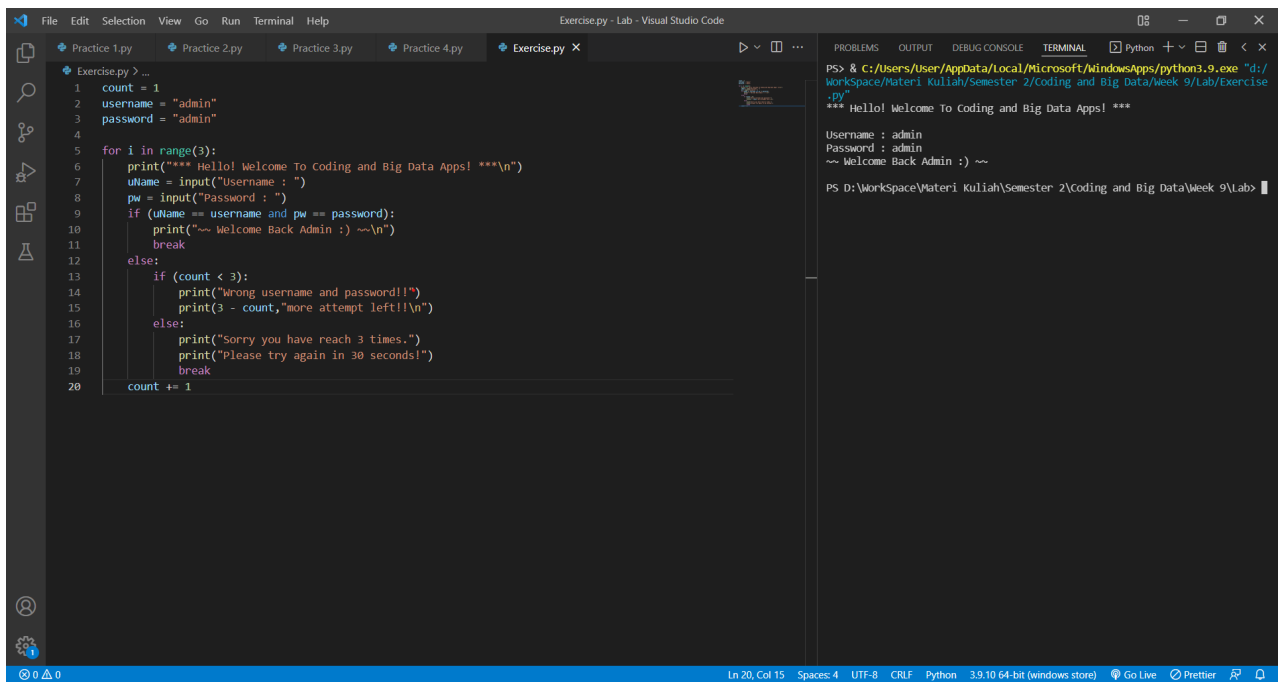
```
1 for x in range(9, 0, -1):
2     for y in range(1, x):
3         print(y, end=" ")
4     print("\r")
```

The terminal window at the bottom shows the command prompt output:

```
PS D:\Workspace\Wateri Kuliah\Semester 2\coding and Big Data\Week 9\Lab & C:\Users\User\AppData\Local\Microsoft\WindowsApps\python3.9.exe "d:\workspace\Wateri Kuliah\Semester 2\coding and Big Data\Week 9\Lab\Practice 4.py"
1 2 3 4 5 6 7 8
1 2 3 4 5 6 7
1 2 3 4 5 6
1 2 3 4 5
1 2 3 4
1 2 3
1 2
1
```

The terminal also shows the current directory as 'PS D:\Workspace\Wateri Kuliah\Semester 2\coding and Big Data\Week 9\Lab'.

EXERCISE



The screenshot shows the Visual Studio Code interface with a file named 'Exercise.py' open. The code is a Python script that prompts the user for a username and password, checks if they match 'admin', and allows up to 3 attempts. The terminal output shows the script being executed successfully with the correct credentials.

```
File Edit Selection View Go Run Terminal Help
Exercise.py - Lab - Visual Studio Code

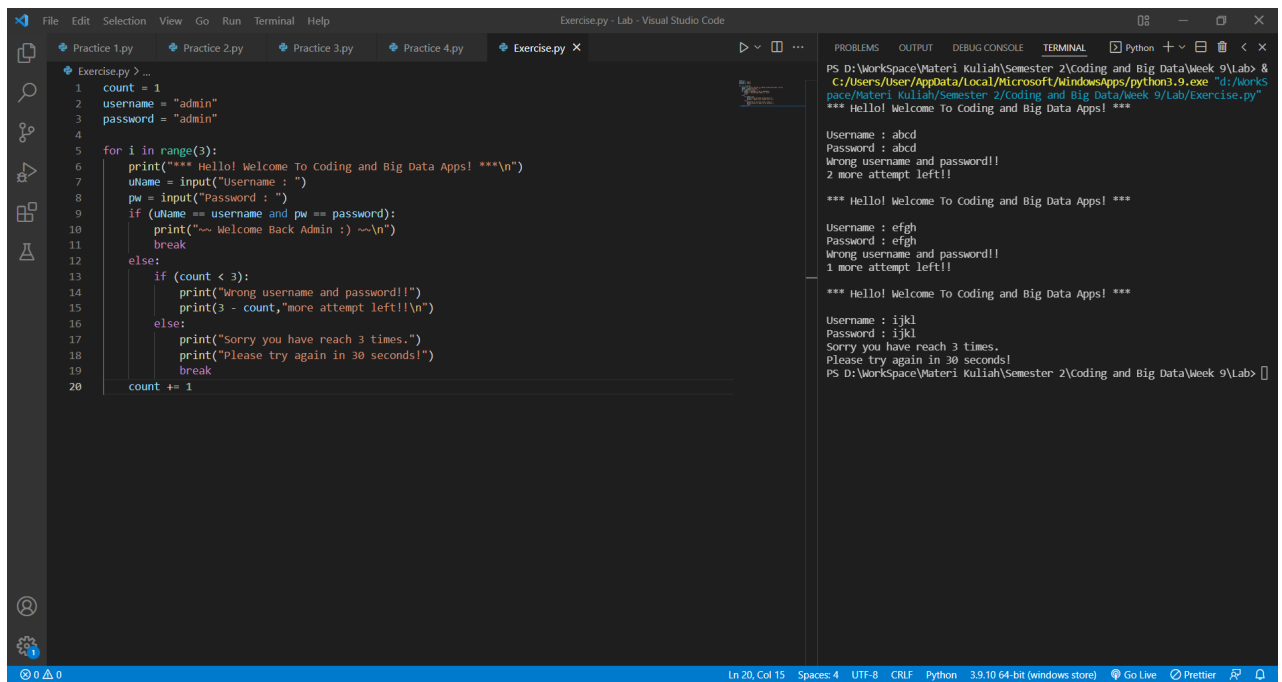
Practice 1.py Practice 2.py Practice 3.py Practice 4.py Exercise.py X

Exercise.py > ...
1 count = 1
2 username = "admin"
3 password = "admin"
4
5 for i in range(3):
6     print("*** Hello! Welcome To Coding and Big Data Apps! ***\n")
7     uname = input("Username : ")
8     pw = input("Password : ")
9     if (uname == username and pw == password):
10        print("~ Welcome Back Admin :) ~\n")
11        break
12    else:
13        if (count < 3):
14            print("Wrong username and password!!")
15            print(3 - count, "more attempt left!!\n")
16        else:
17            print("Sorry you have reach 3 times.")
18            print("Please try again in 30 seconds!")
19            break
20    count += 1

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL Python + - [ ] X
PS> & C:/Users/User/AppData/Local/Microsoft/WindowsApps/python3.9.exe "d:/Workspace/Materi Kuliah/Semester 2/Coding and Big Data/Week 9/Lab/Exercise.py"
*** Hello! Welcome To Coding and Big Data Apps! ***

Username : admin
Password : admin
~ Welcome Back Admin :) ~

PS D:\Workspace\Materi Kuliah\Semester 2\Coding and Big Data\Week 9\Lab>
```



The screenshot shows the same Visual Studio Code interface, but the terminal output now shows multiple failed login attempts. The script correctly identifies wrong usernames and passwords, counts the attempts, and eventually reaches the 3-attempt limit, displaying a message about reaching 3 times and suggesting a 30-second wait.

```
File Edit Selection View Go Run Terminal Help
Exercise.py - Lab - Visual Studio Code

Practice 1.py Practice 2.py Practice 3.py Practice 4.py Exercise.py X

Exercise.py > ...
1 count = 1
2 username = "admin"
3 password = "admin"
4
5 for i in range(3):
6     print("*** Hello! Welcome To Coding and Big Data Apps! ***\n")
7     uname = input("Username : ")
8     pw = input("Password : ")
9     if (uname == username and pw == password):
10        print("~ Welcome Back Admin :) ~\n")
11        break
12    else:
13        if (count < 3):
14            print("Wrong username and password!!")
15            print(3 - count, "more attempt left!!\n")
16        else:
17            print("Sorry you have reach 3 times.")
18            print("Please try again in 30 seconds!")
19            break
20    count += 1

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL Python + - [ ] X
PS D:\Workspace\Materi Kuliah\Semester 2\Coding and Big Data\Week 9\Lab> & C:/Users/User/AppData/Local/Microsoft/WindowsApps/python3.9.exe "d:/Workspace/Materi Kuliah/Semester 2/Coding and Big Data/Week 9/Lab/Exercise.py"
*** Hello! Welcome to Coding and Big Data Apps! ***

Username : abcd
Password : abcd
Wrong username and password!!
2 more attempt left!!

*** Hello! Welcome To Coding and Big Data Apps! ***

Username : efgh
Password : efgh
Wrong username and password!!
1 more attempt left!!

*** Hello! Welcome To Coding and Big Data Apps! ***

Username : ijkl
Password : ijkl
Sorry you have reach 3 times.
Please try again in 30 seconds!

PS D:\Workspace\Materi Kuliah\Semester 2\Coding and Big Data\Week 9\Lab>
```