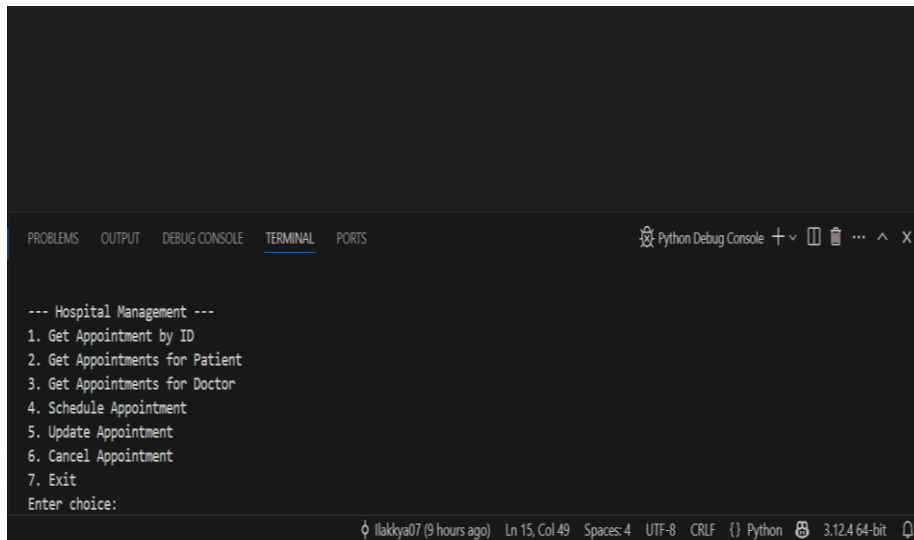


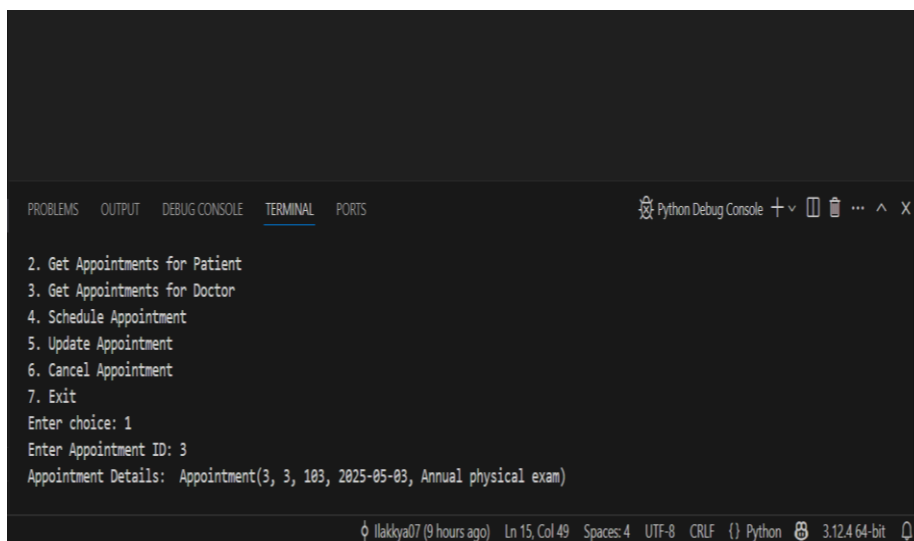
Coding Challenge- Hospital Management System



```
--- Hospital Management ---
1. Get Appointment by ID
2. Get Appointments for Patient
3. Get Appointments for Doctor
4. Schedule Appointment
5. Update Appointment
6. Cancel Appointment
7. Exit
Enter choice:
```

The screenshot shows a terminal window with a menu for a Hospital Management System. The menu lists seven options: 1. Get Appointment by ID, 2. Get Appointments for Patient, 3. Get Appointments for Doctor, 4. Schedule Appointment, 5. Update Appointment, 6. Cancel Appointment, and 7. Exit. The prompt 'Enter choice:' is at the bottom. The terminal interface includes tabs for PROBLEMS, OUTPUT, DEBUG CONSOLE, TERMINAL, and PORTS. The status bar at the bottom indicates the file is 'Ilakky07 (9 hours ago)', line 15, column 49, with 4 spaces, UTF-8 encoding, CRLF line endings, Python syntax, and a 3.12.4 64-bit environment.

Output 1



```
2. Get Appointments for Patient
3. Get Appointments for Doctor
4. Schedule Appointment
5. Update Appointment
6. Cancel Appointment
7. Exit
Enter choice: 1
Enter Appointment ID: 3
Appointment Details: Appointment(3, 3, 103, 2025-05-03, Annual physical exam)
```

The screenshot shows the terminal window after the first choice has been made. The menu options 2 through 7 are visible. The user has entered '1' for 'Get Appointment by ID' and '3' for 'Enter Appointment ID'. The output shows 'Appointment Details: Appointment(3, 3, 103, 2025-05-03, Annual physical exam)'. The terminal interface and status bar are the same as in the previous screenshot.

Output 2

```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS Python Debug Console + - [ ] ... ^ X

4. Schedule Appointment
5. Update Appointment
6. Cancel Appointment
7. Exit
Enter choice: 2
Enter Patient ID: 7
Appointments for Patient:
Appointment(4, 7, 105, 2025-09-11, fever)
Appointment(17, 7, 109, 2025-08-12, fever)

llakya07 (9 hours ago) Ln 15, Col 49 Spaces: 4 UTF-8 CRLF {} Python 3.12.4 64-bit
```

Output 3

```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS Python Debug Console + - [ ] ... ^ X

3. Get Appointments for Doctor
4. Schedule Appointment
5. Update Appointment
6. Cancel Appointment
7. Exit
Enter choice: 3
Enter Doctor ID: 105
Appointments for Doctor:
Appointment(4, 7, 105, 2025-09-11, fever)

llakya07 (9 hours ago) Ln 15, Col 49 Spaces: 4 UTF-8 CRLF {} Python 3.12.4 64-bit
```

Output 4

```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS Python Debug Console + - [ ] ... ^ X

2. Get Appointments for Patient
3. Get Appointments for Doctor
4. Schedule Appointment
5. Update Appointment
6. Cancel Appointment
7. Exit
Enter choice: 5
Enter Appointment ID to update: 2
Current Appointment Details: Appointment(2, 2, 102, 2025-05-02, Child regular checkup)
Enter New Patient ID: 
```

Output 5

```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS Python Debug Console + - [ ] ... ^ X

Enter New Patient ID: 3
Enter New Doctor ID: 103
Enter New Appointment Date (YYYY-MM-DD): 2025-09-17
Enter New Appointment Description: stomach ache
Appointment updated successfully.
Appointment Updated Successfully.

--- Hospital Management ---
1. Get Appointment by ID
2. Get Appointments for Patient
```

Output 6

```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS Python Debug Console + - [ ] ... ^ X

3. Get Appointments for Doctor
4. Schedule Appointment
5. Update Appointment
6. Cancel Appointment
7. Exit
Enter choice: 6
Enter Appointment ID to cancel: 7
Appointment Canceled Successfully.

--- Hospital Management ---

Ilakya07 (9 hours ago) Ln 15, Col 49 Spaces: 4 UTF-8 CRLF {} Python 3.12.4 64-bit
```

Output 7

```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS Python Debug Console + - [ ] ... ^ X

1. Get Appointment by ID
2. Get Appointments for Patient
3. Get Appointments for Doctor
4. Schedule Appointment
5. Update Appointment
6. Cancel Appointment
7. Exit
Enter choice: 7
Exiting...
PS C:\Users\ilakya\OneDrive\Documents\Hexaware HospitalManagement>

Ilakya07 (9 hours ago) Ln 15, Col 49 Spaces: 4 UTF-8 CRLF {} Python 3.12.4 64-bit
```

Output 8

```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS Python Debug Console + - [ ] ... ^ X

Enter choice: 4
Enter Appointment ID: 7
Enter Patient ID: 9
Enter Doctor ID: 103
Enter Appointment Date (YYYY-MM-DD): 2025-07-09
Enter Appointment Description: General checkup
Appointment scheduled successfully.
Appointment Scheduled Successfully.

--- Hospital Management ---

Ilakya07 (9 hours ago) Ln 15, Col 49 Spaces: 4 UTF-8 CRLF {} Python 3.12.4 64-bit
```

Output 9