DOCTOR APPOINTMENT SYSTEM

*GEETHIKA S*

**1. INTRODUCTION**

The Console-Based Online Doctor Appointment System is a simple yet efficient Java application designed to facilitate the process of booking appointments with doctors. Patients can use this system to browse the list of available doctors, pick a doctor of their choice, and schedule an appointment for a particular day and time. To ensure smooth interaction between users and the system, it makes use of a MySQL database to hold doctor and patient data.

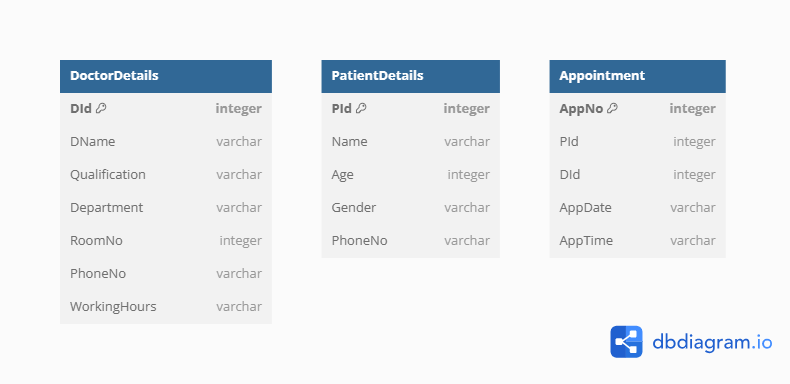
**2. TECHNOLOGIES USED**

* **Java**: The core programming language used for building the application logic and user interface.
* **MySQL**: The database management system employed to store and retrieve doctor and patient information.

**3. SYSTEM DESIGN**

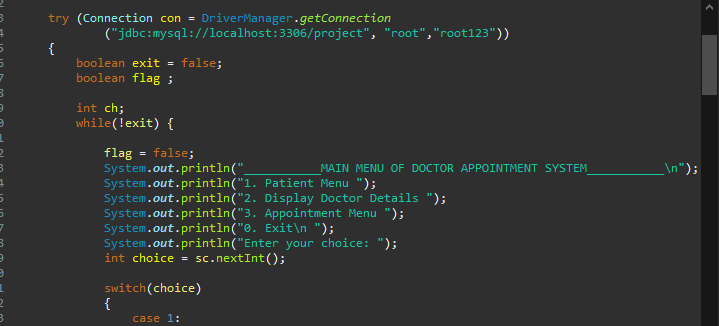
* **User Interface**: The console interface provides a simple menu-driven design for intuitive user interaction.
* **Database**: The MySQL database schema includes tables for doctors, patients, and appointments.

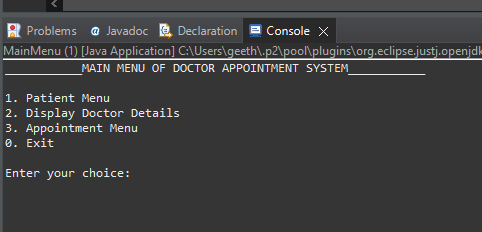
**4. DATABASE SCHEMA**



**5. CODE AND OUTPUT SNIPPETS**

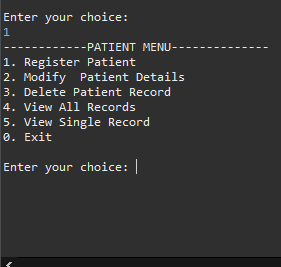
* Main Menu



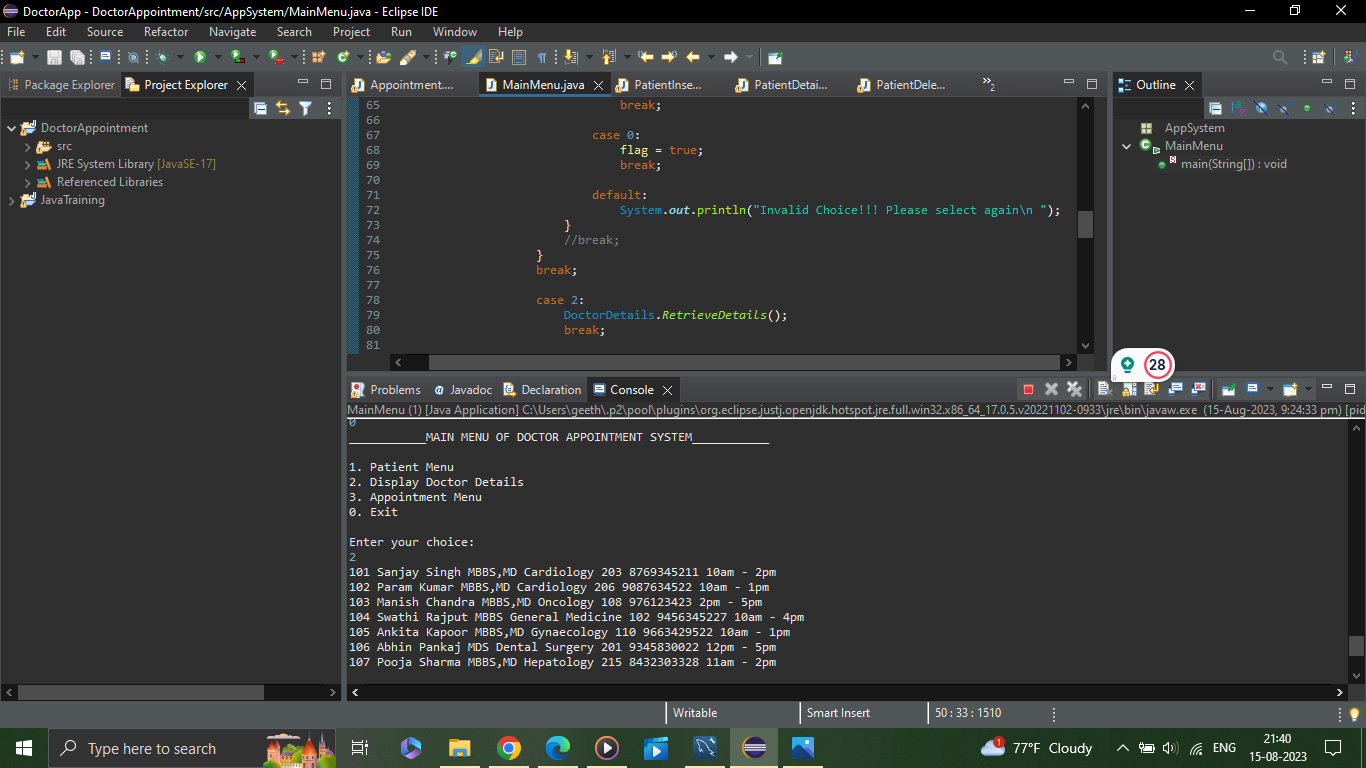


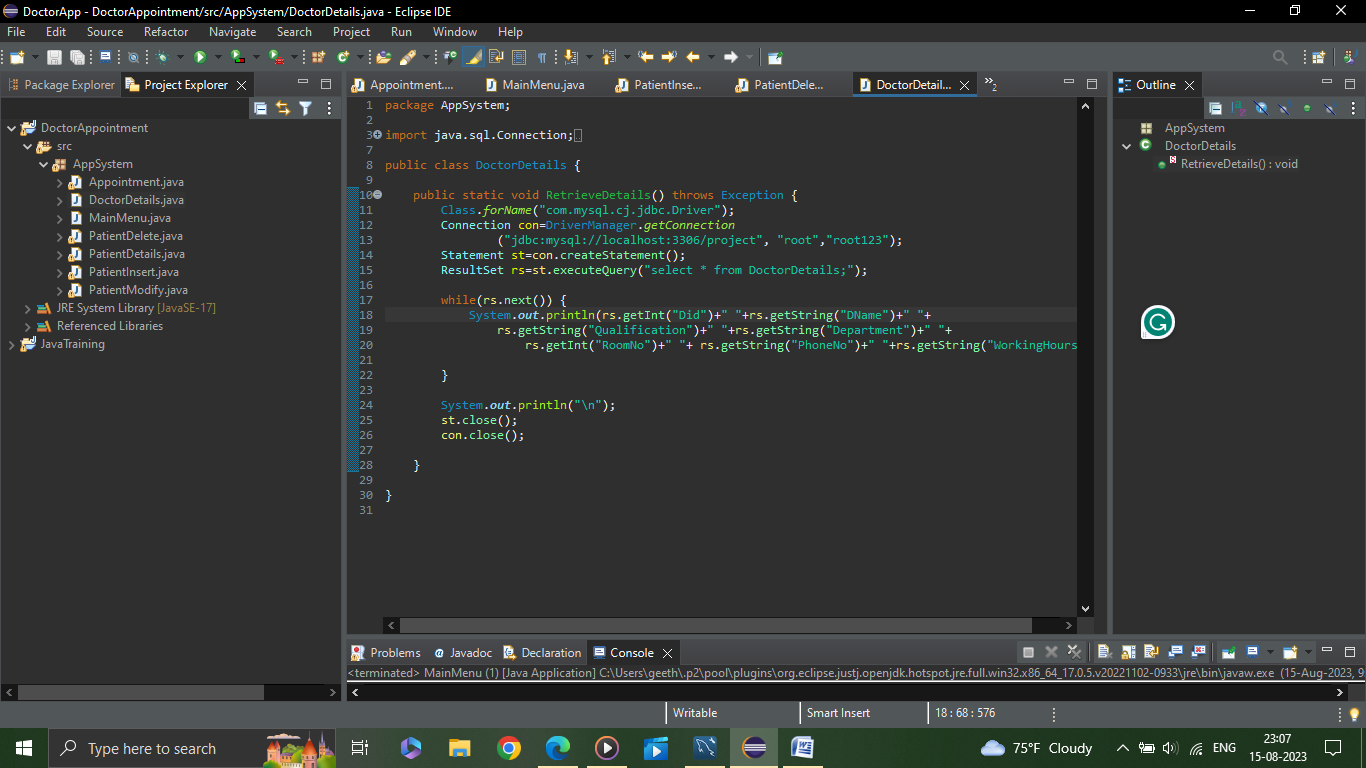
* Patient Menu

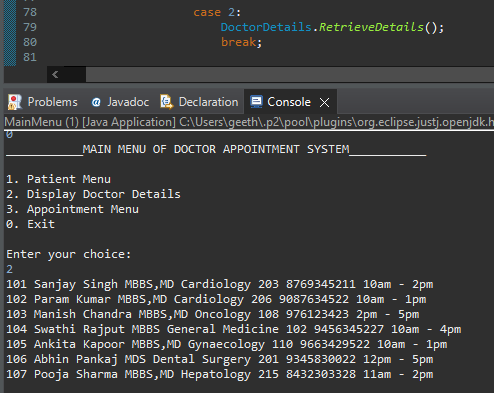




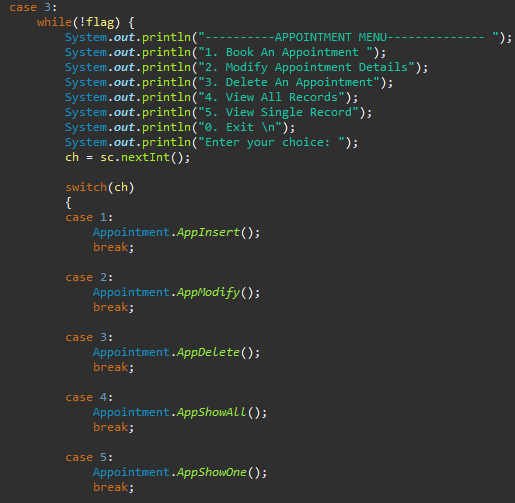
* Doctor details

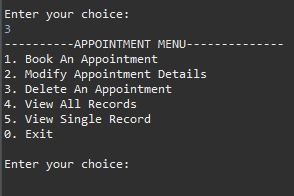




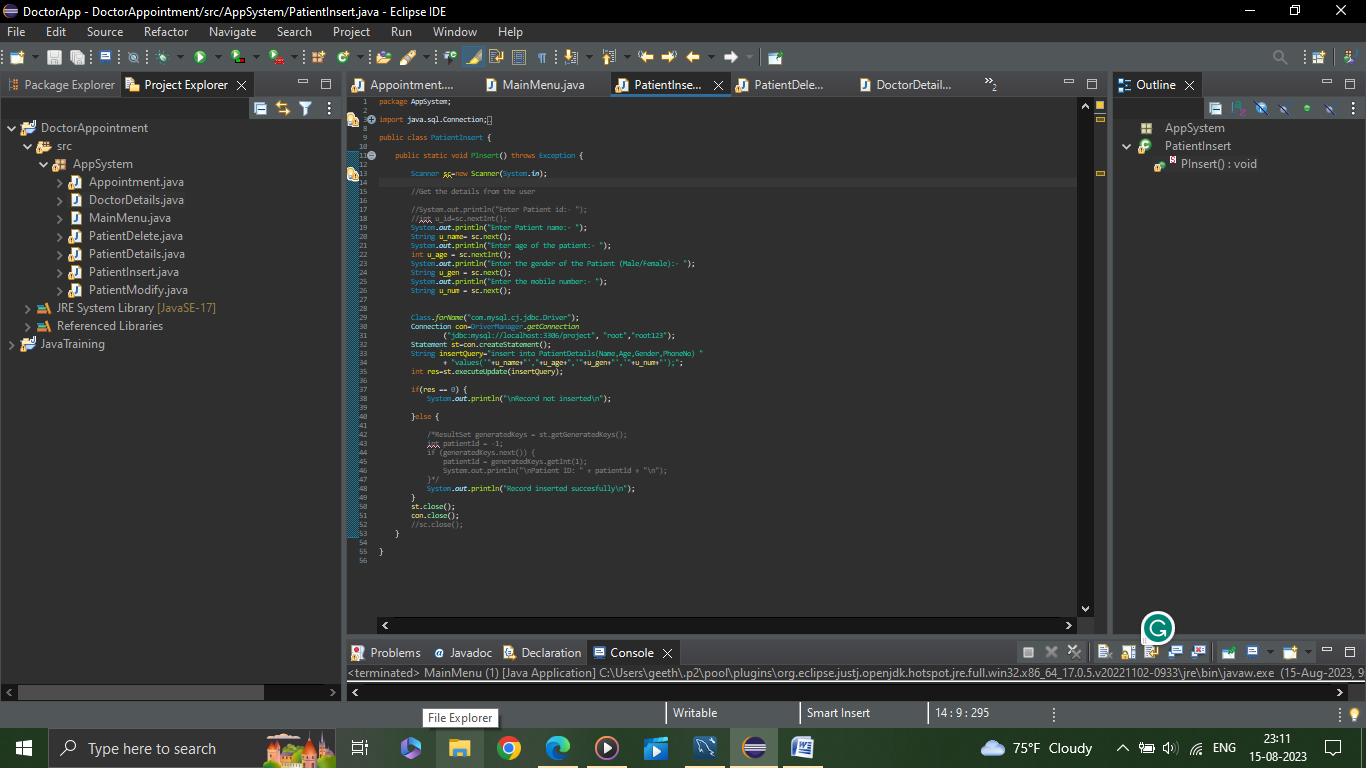


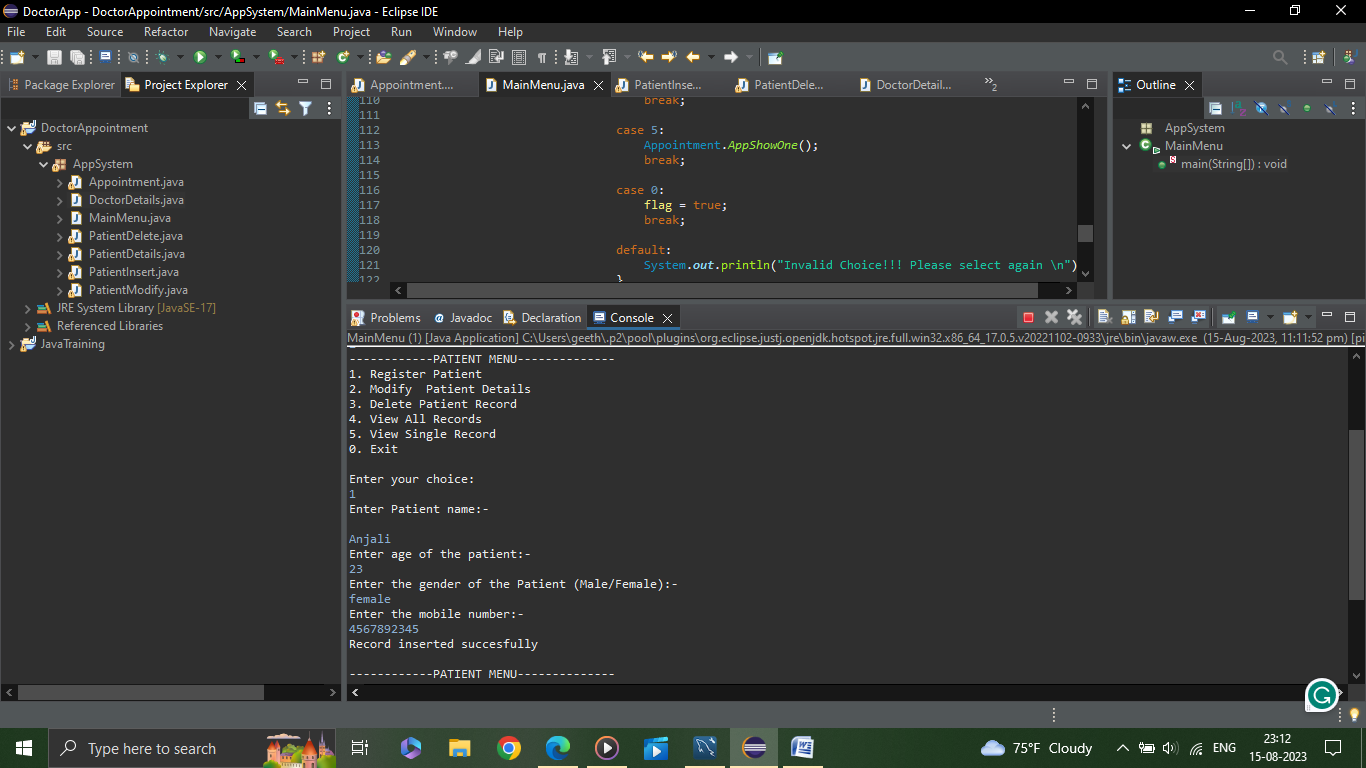
* Appointment Menu



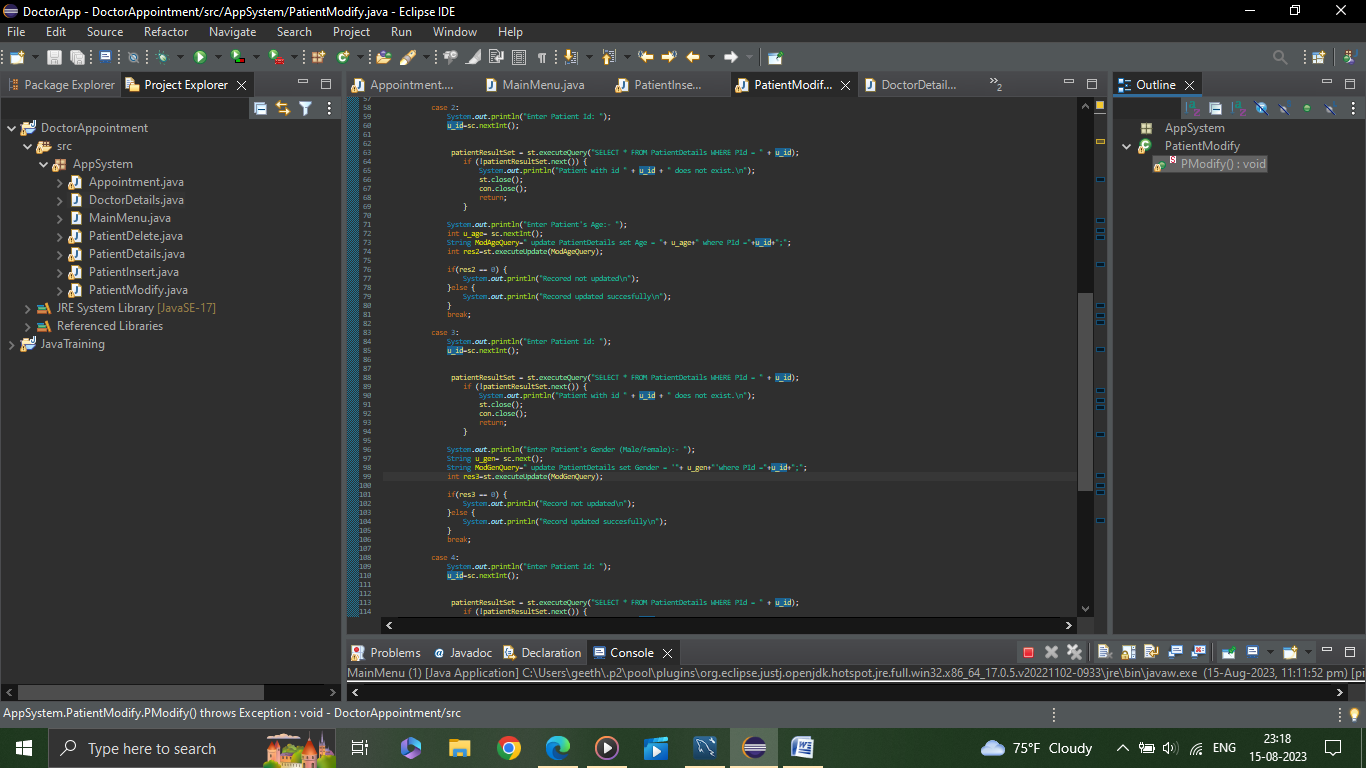
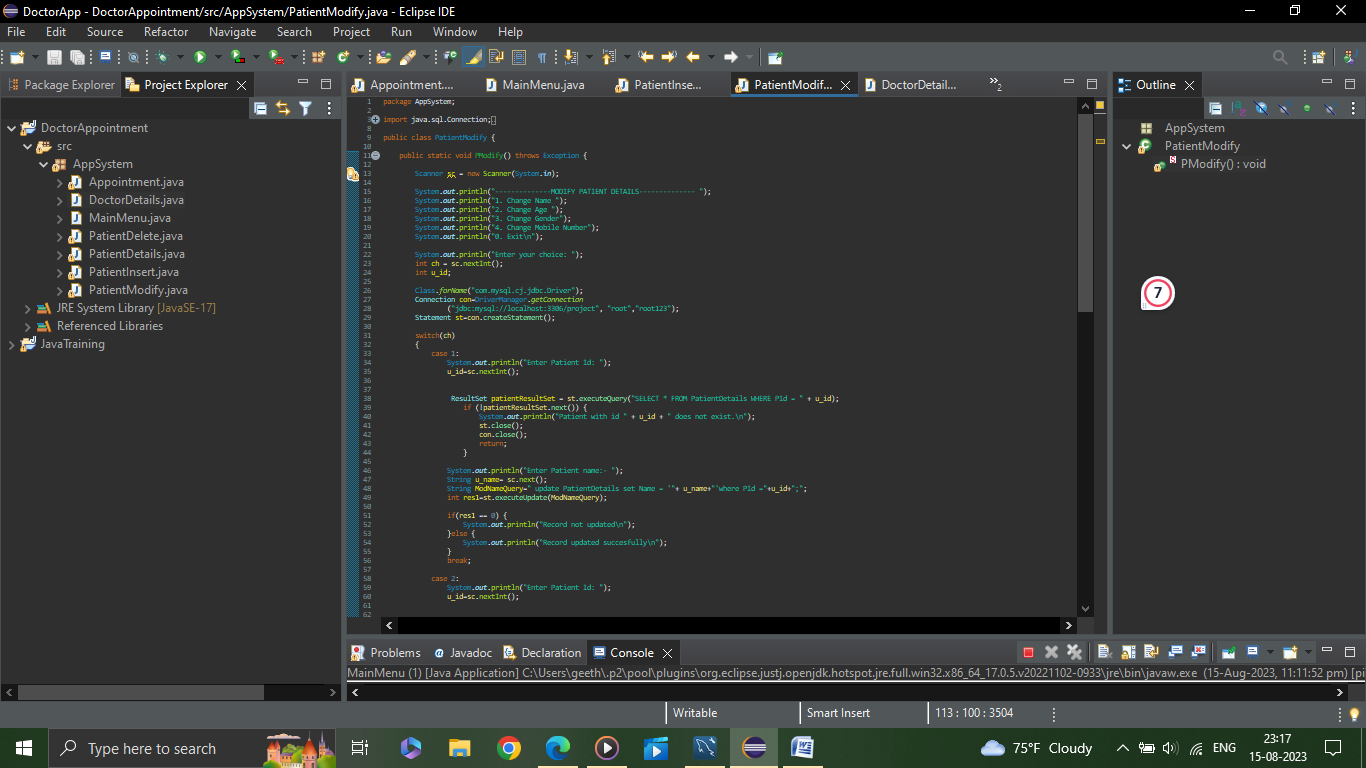


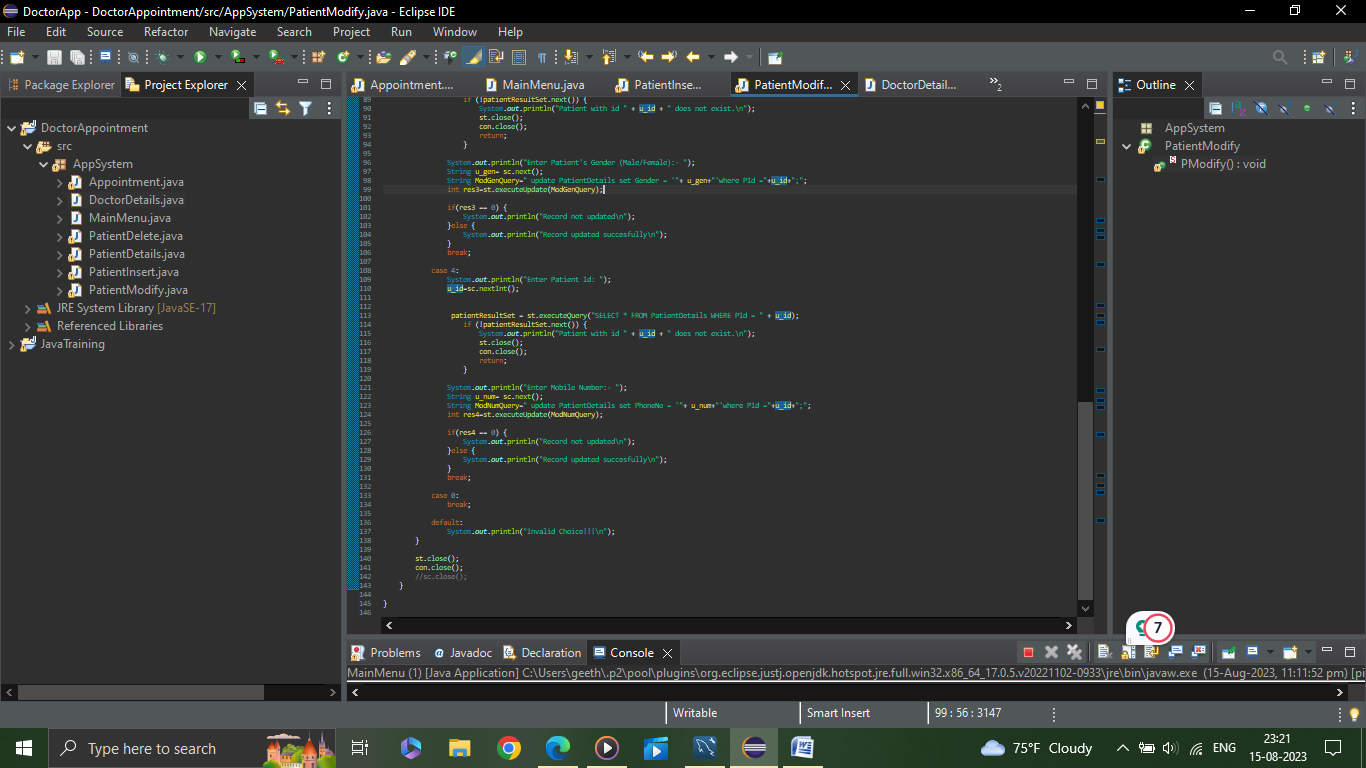
* Register a new patient

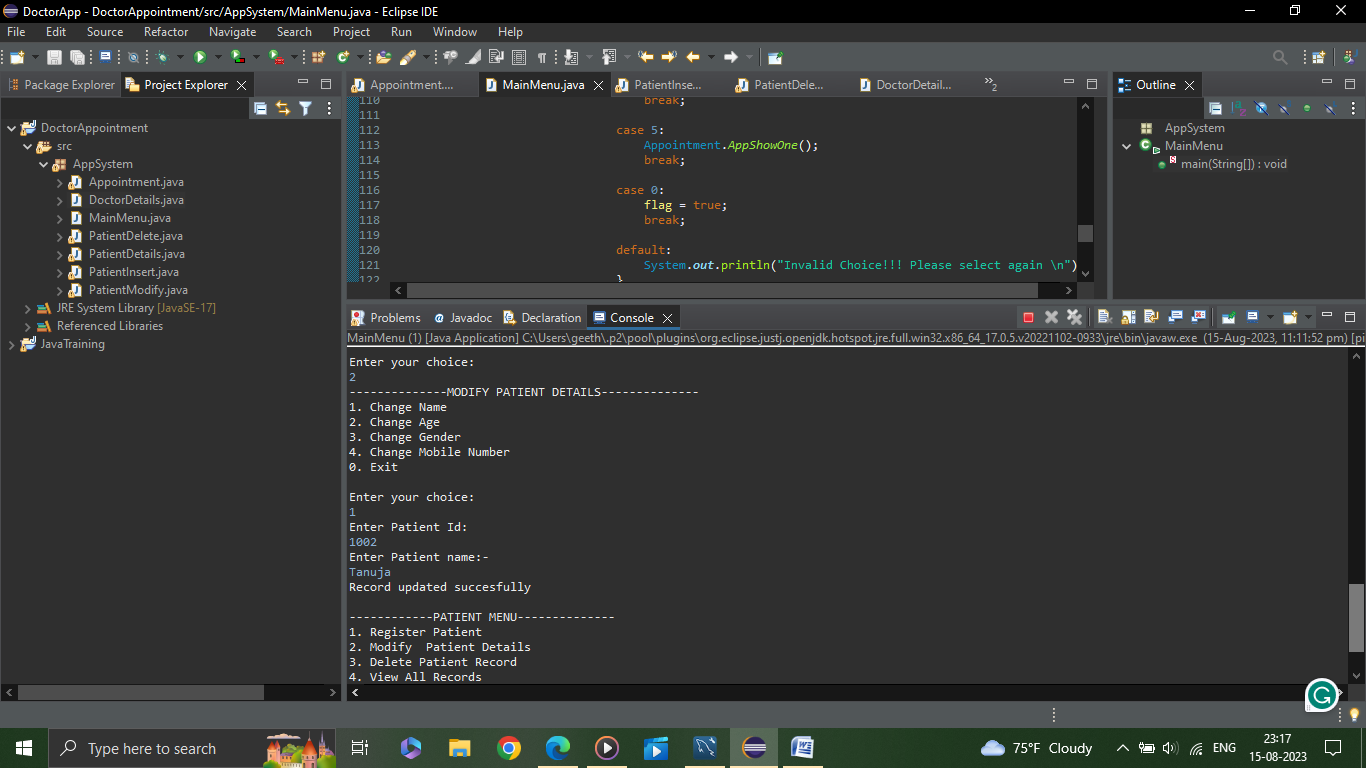




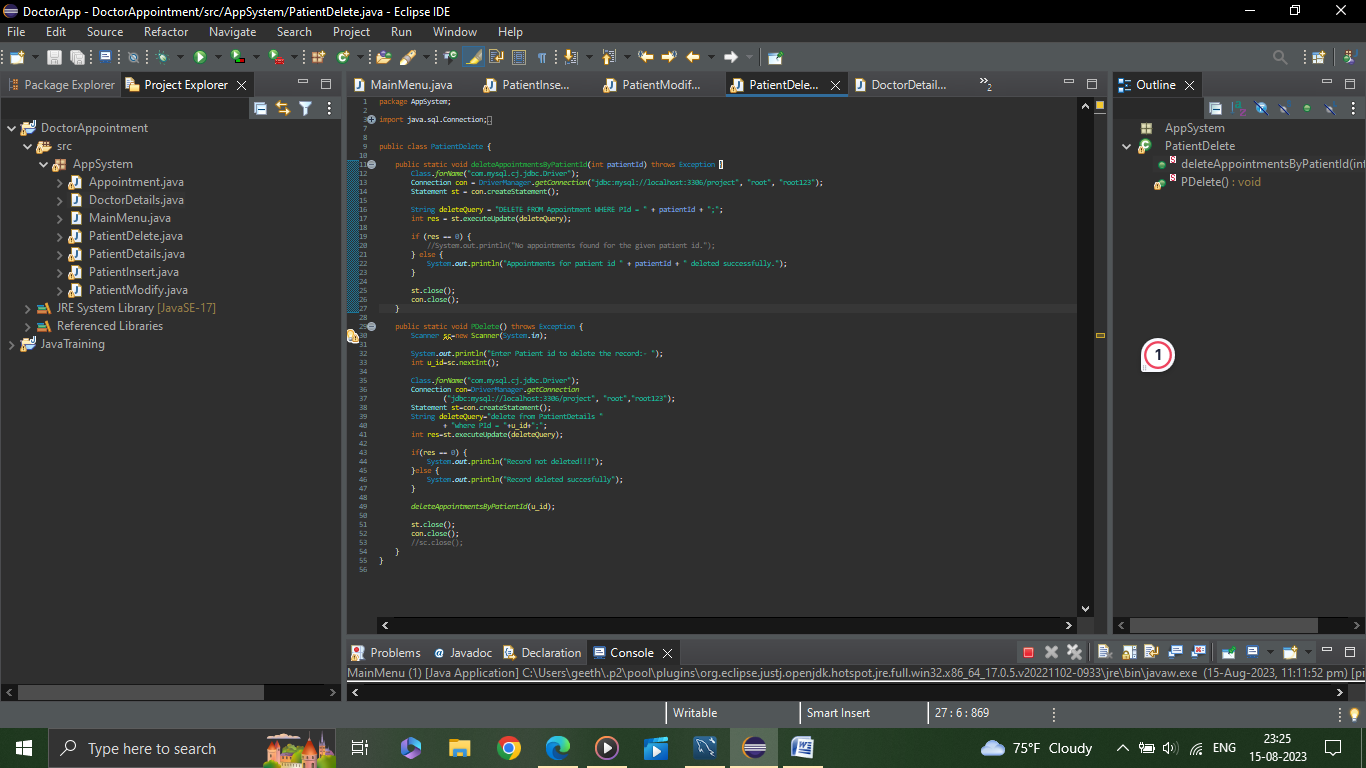
* Modify Patient Details

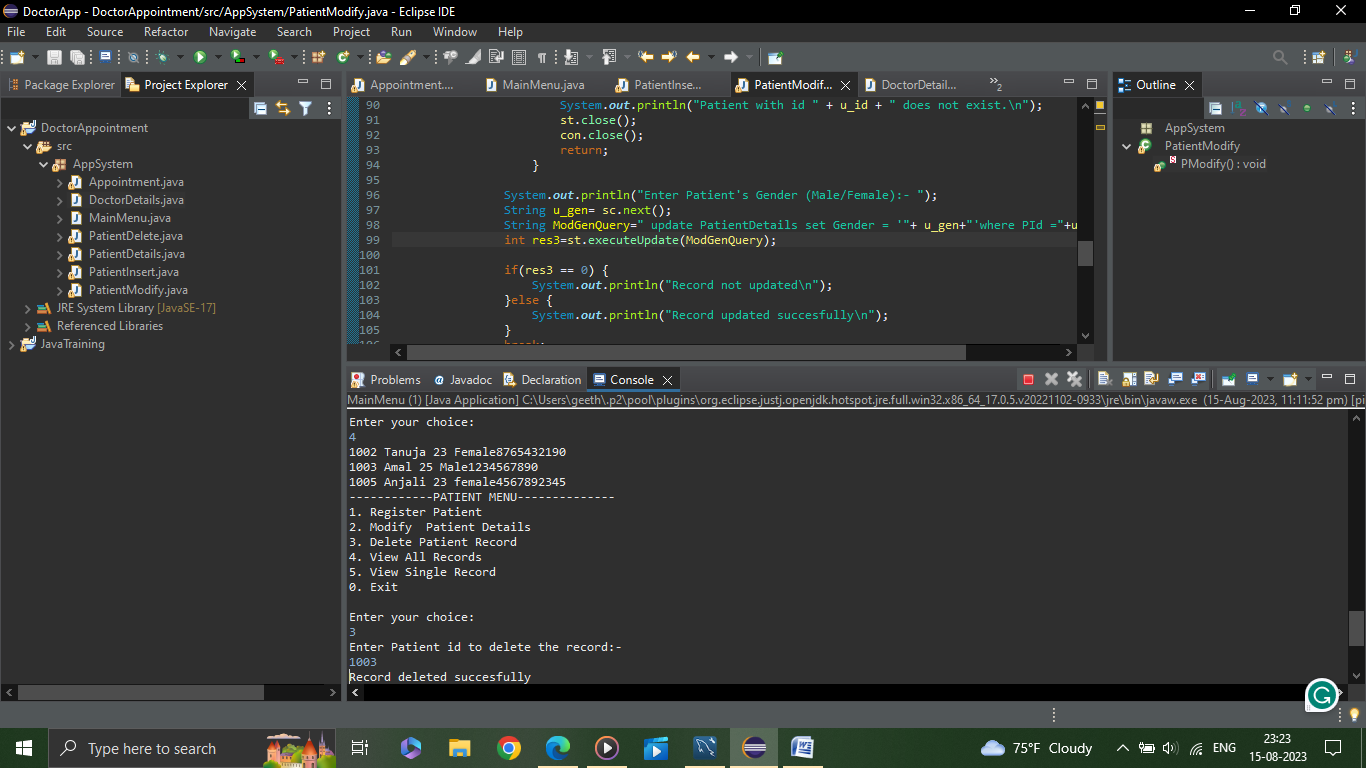




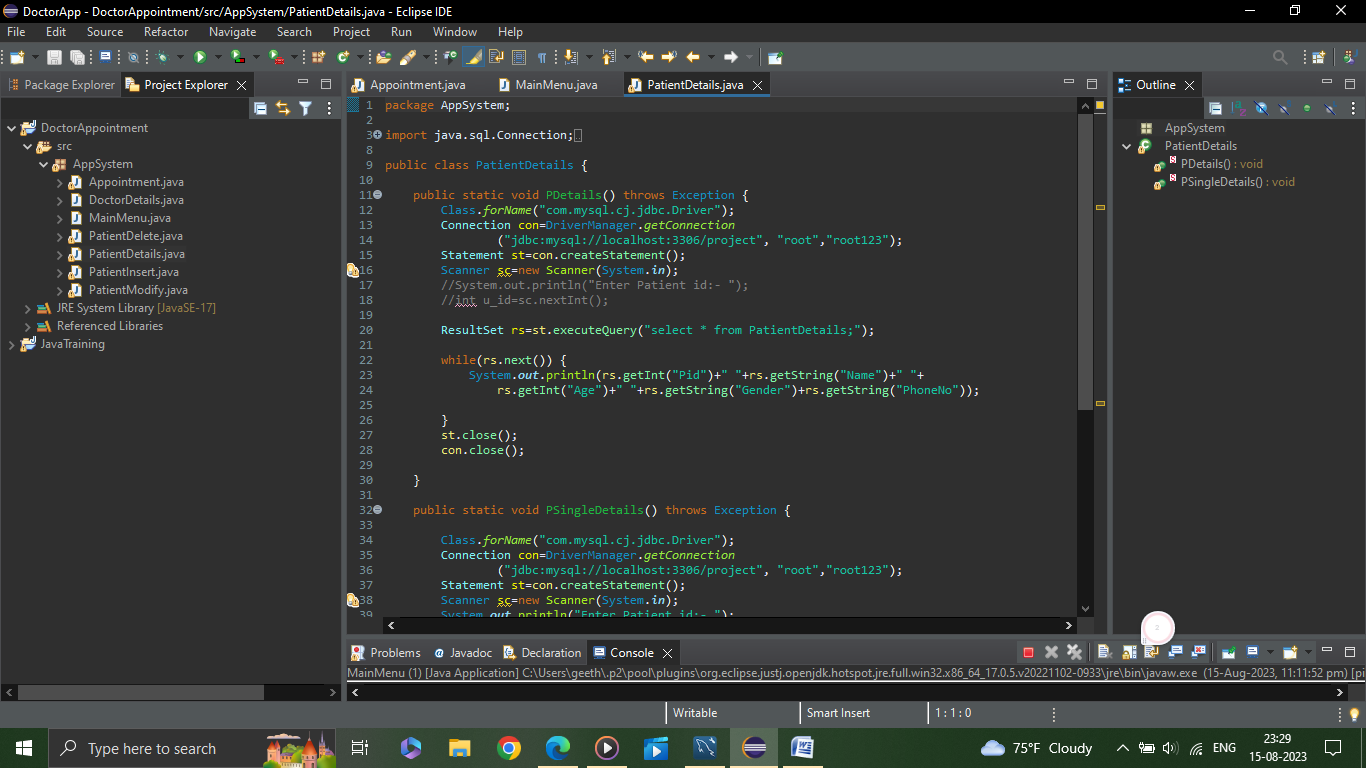


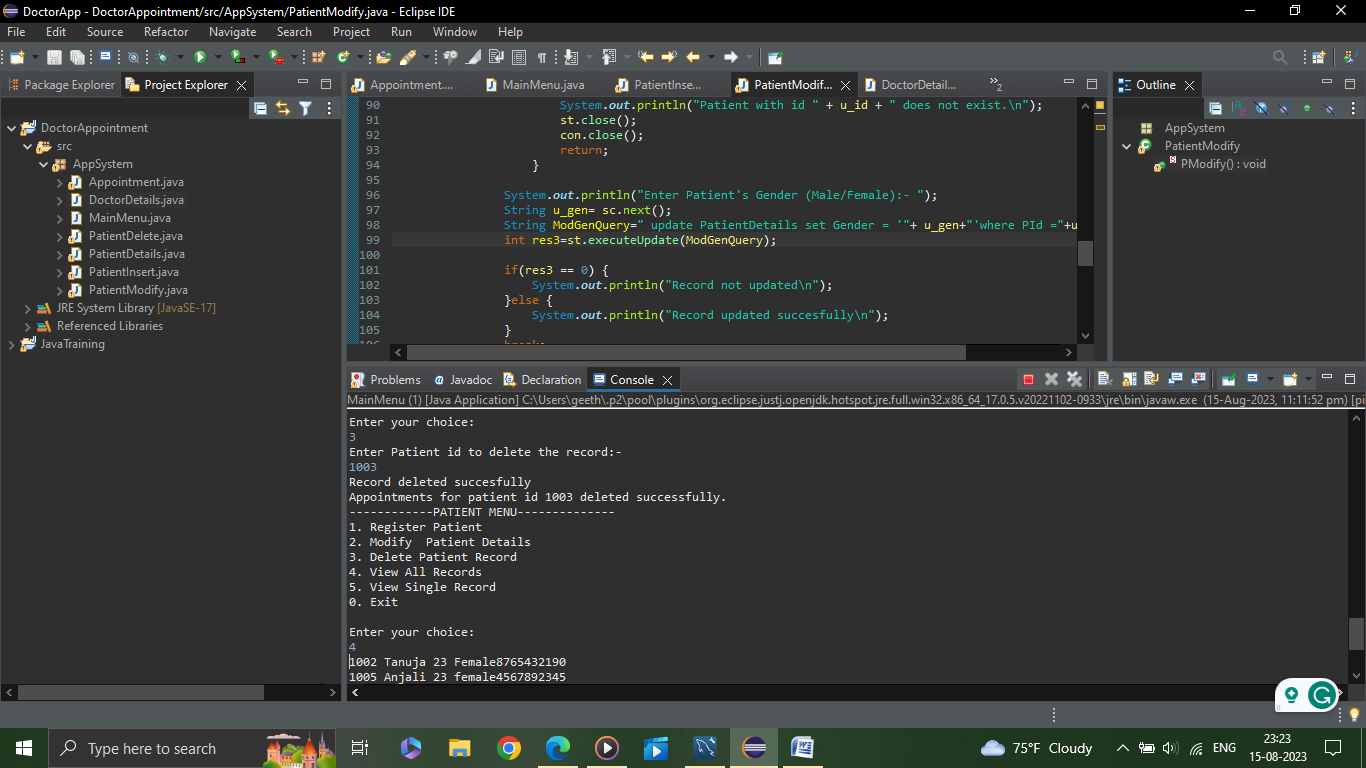
* Delete Patient



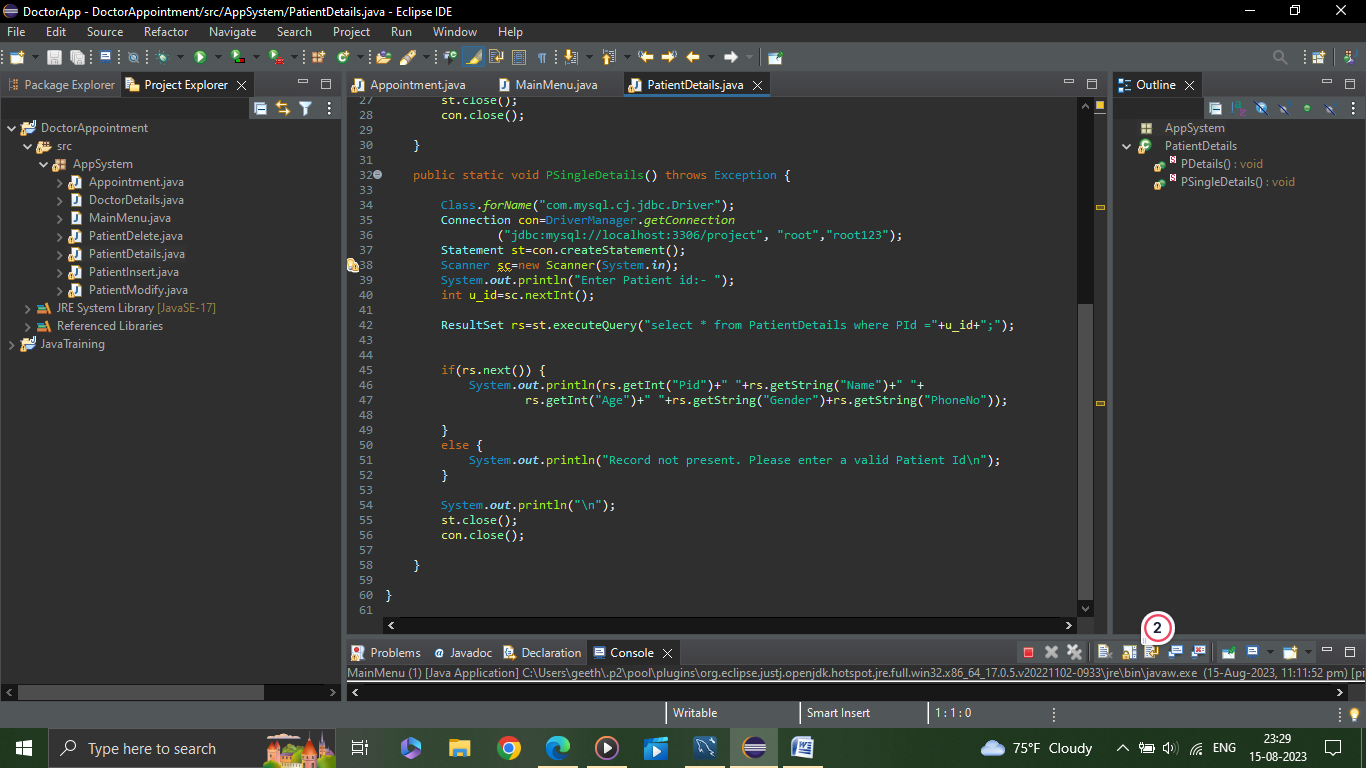


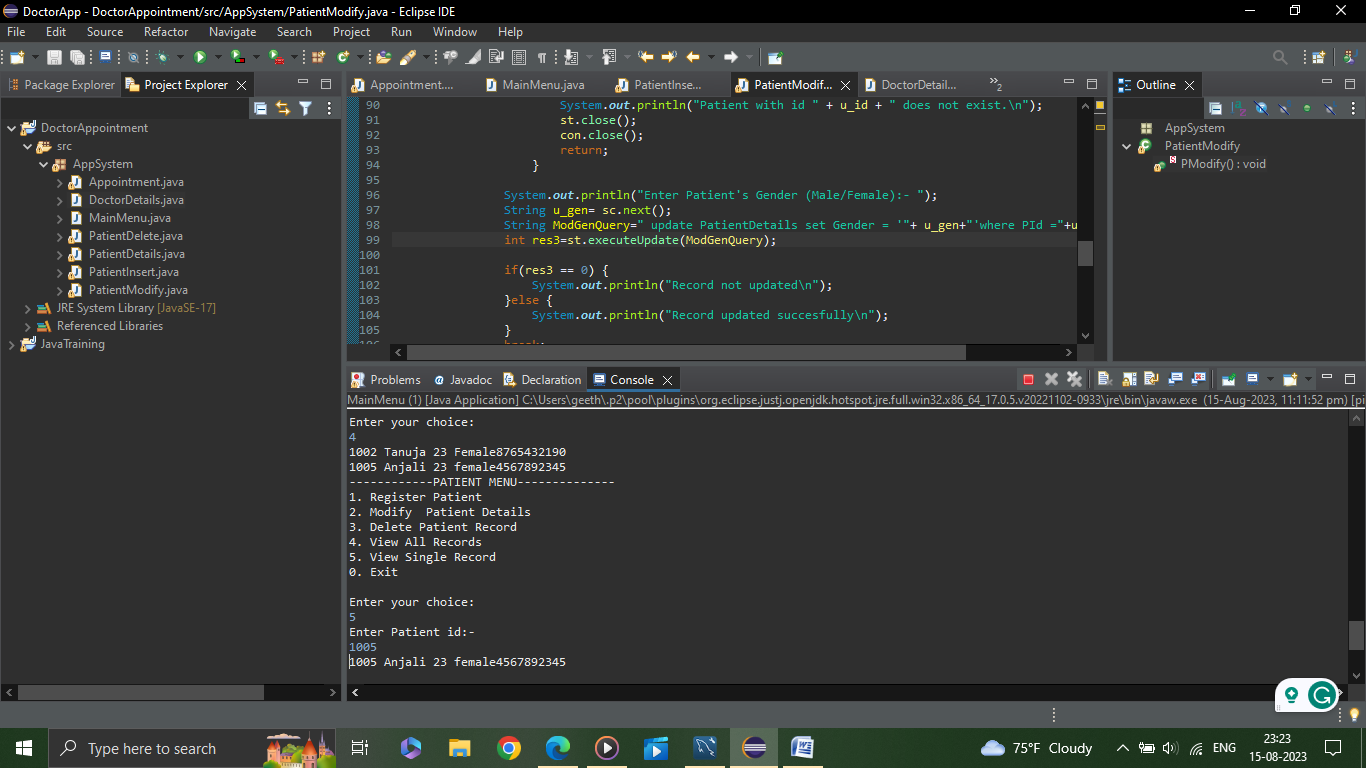
* View all patient records



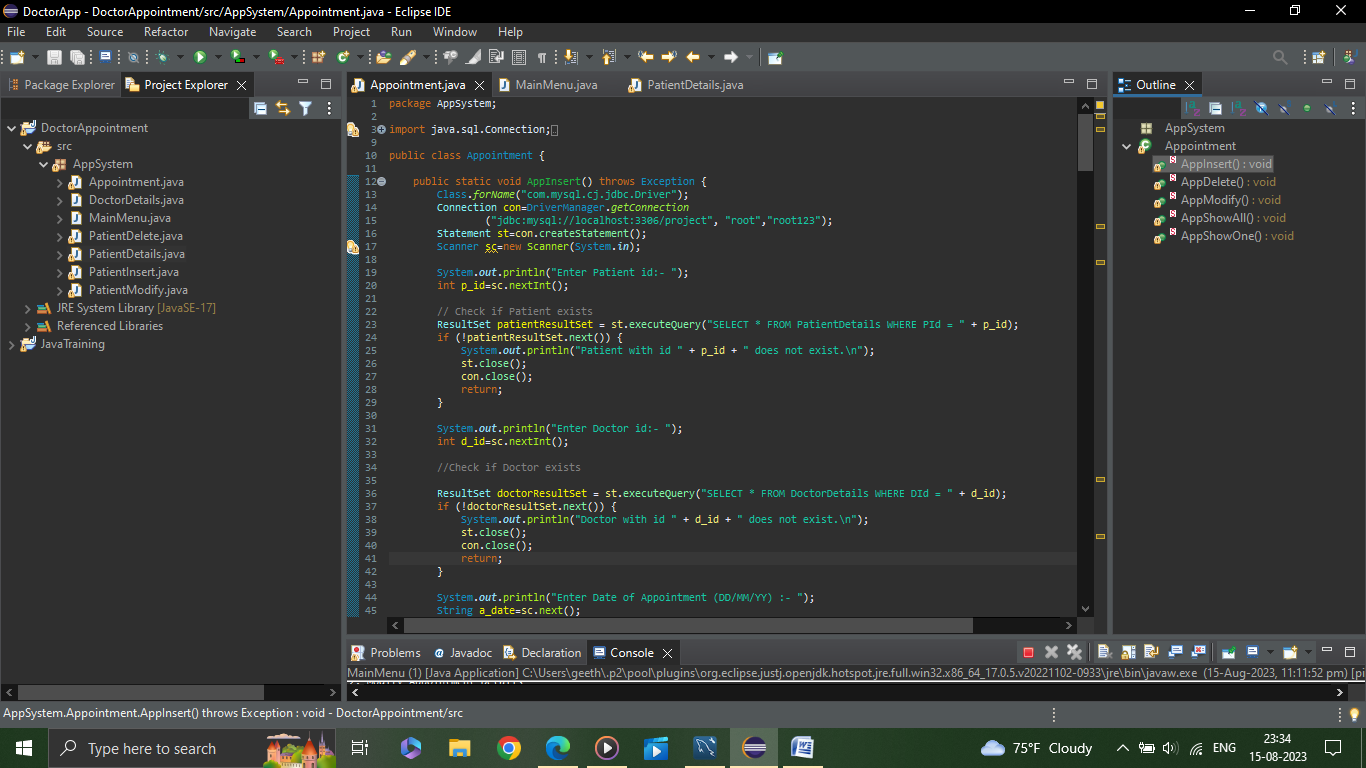


* Display details of a single patient

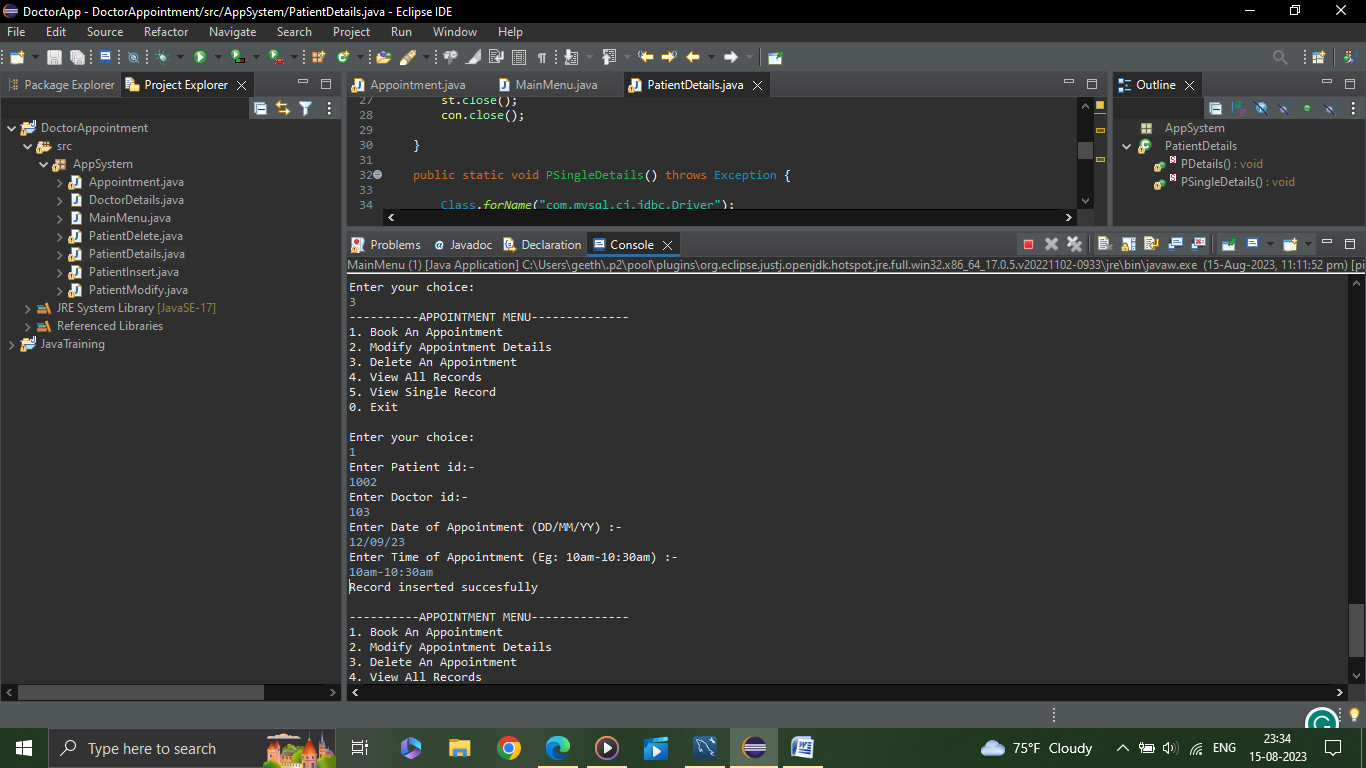




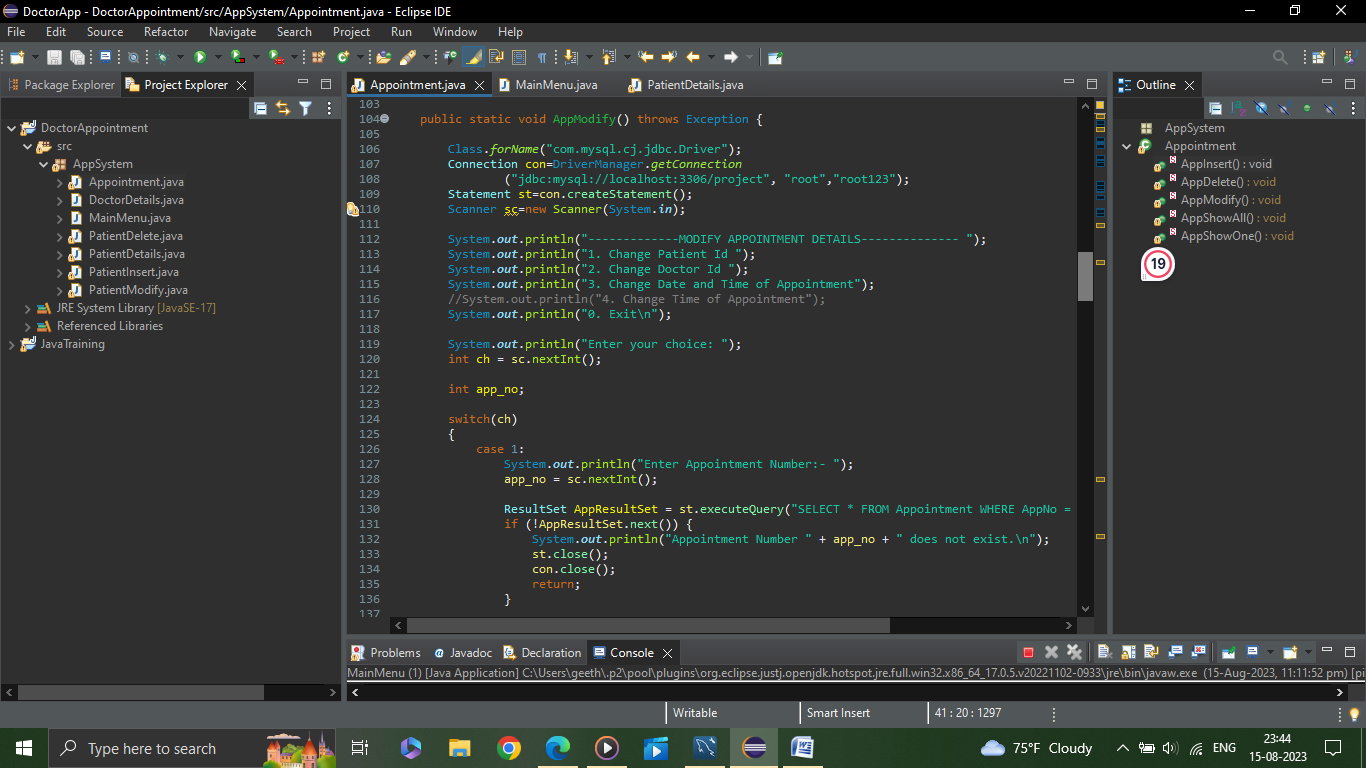
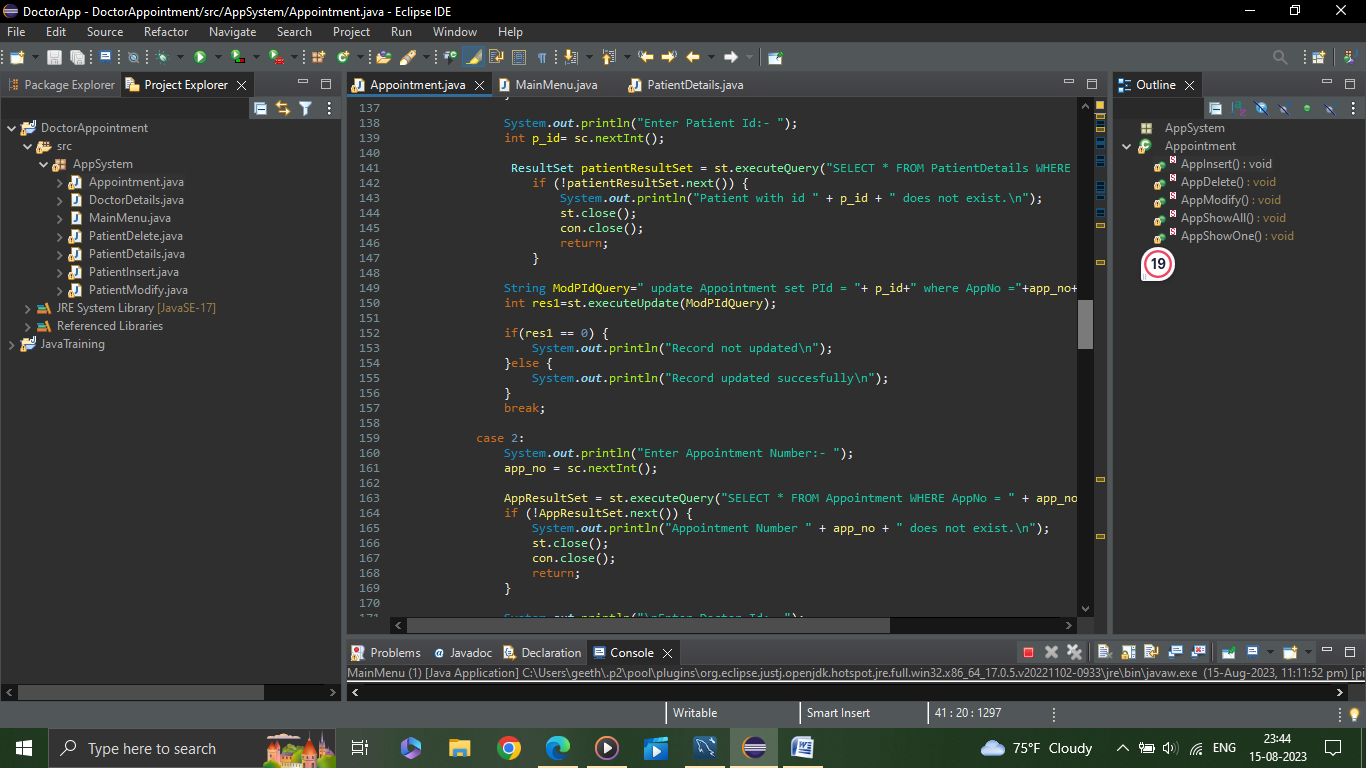
* Book an Appointment

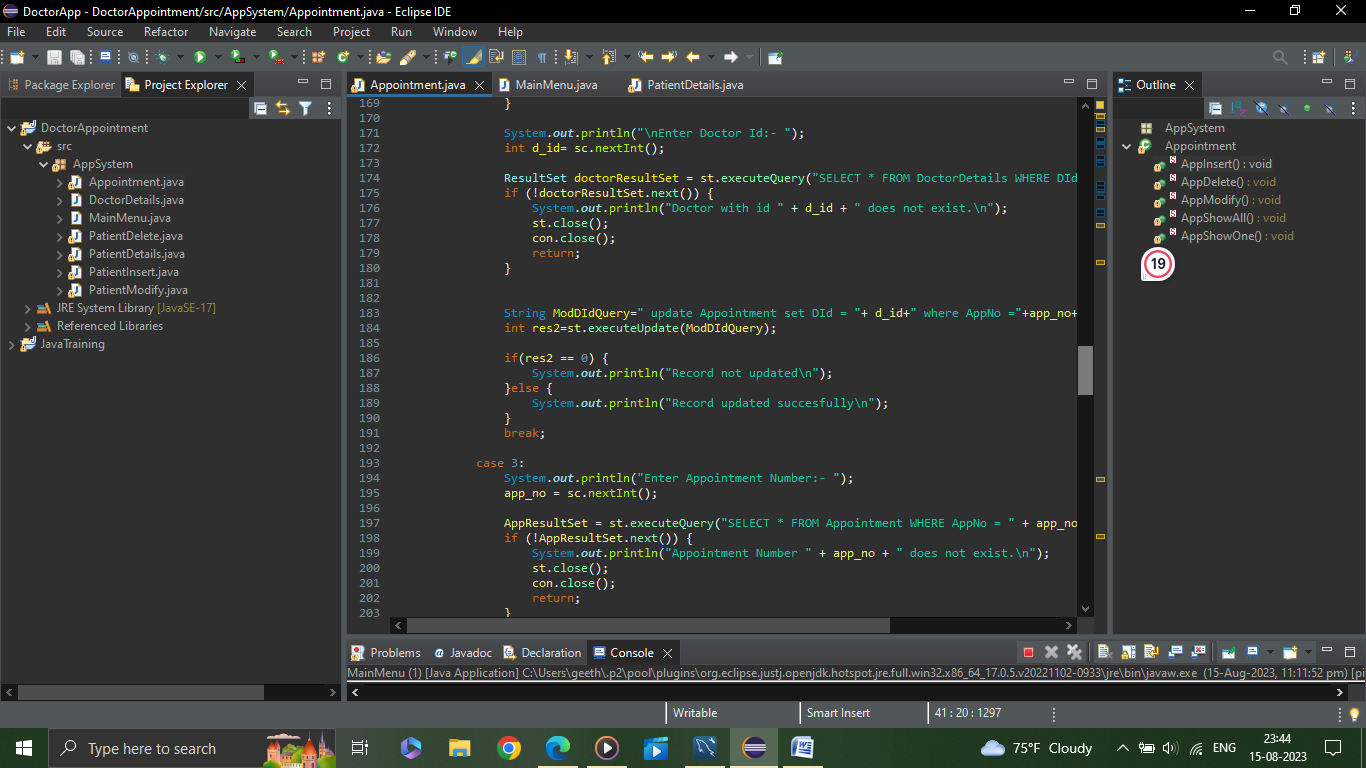
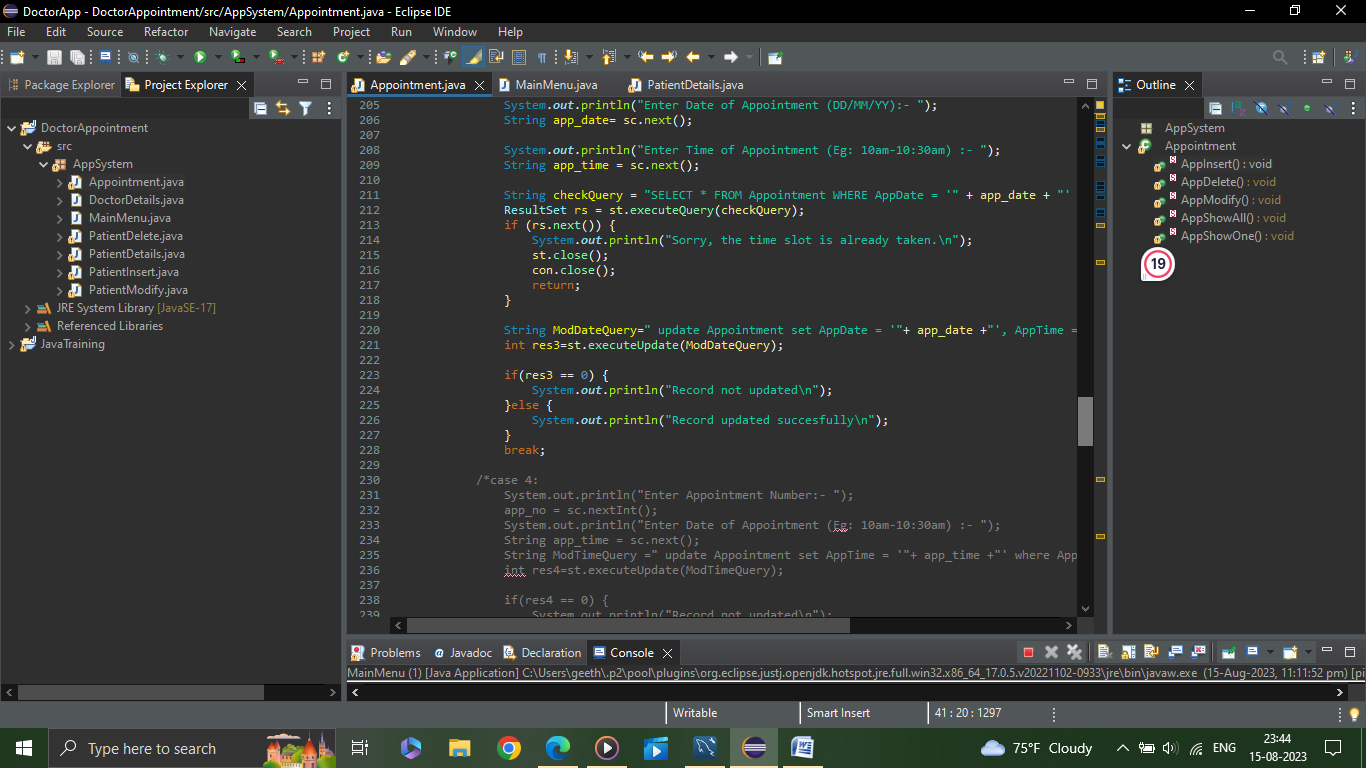


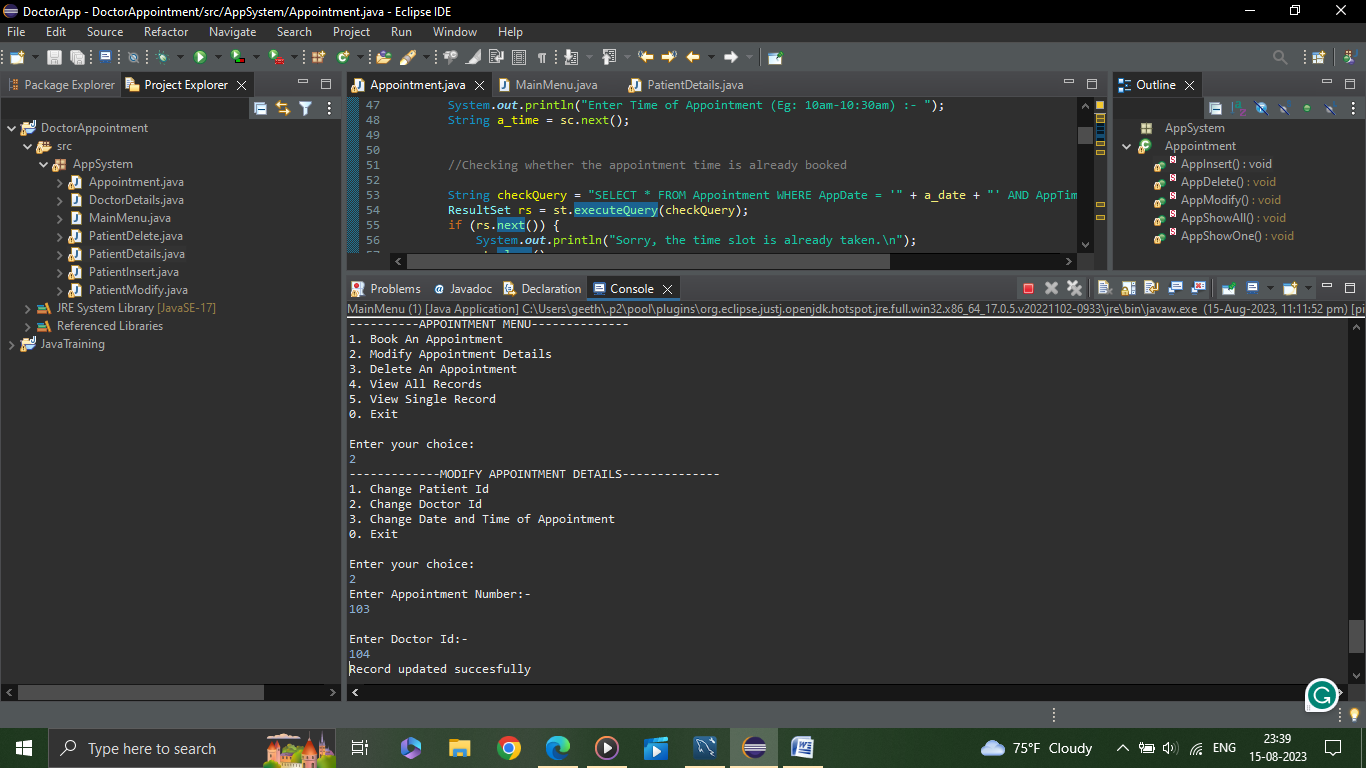




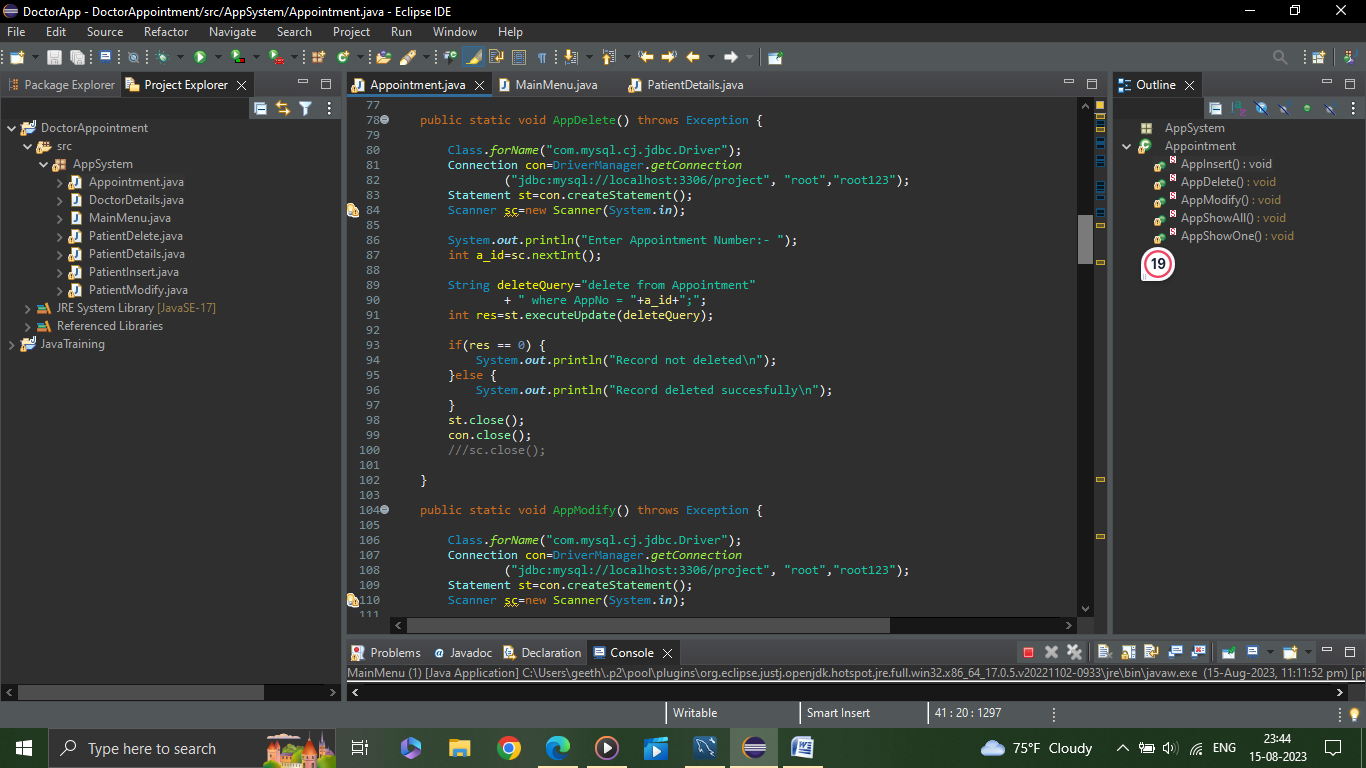
* Modify appointment details

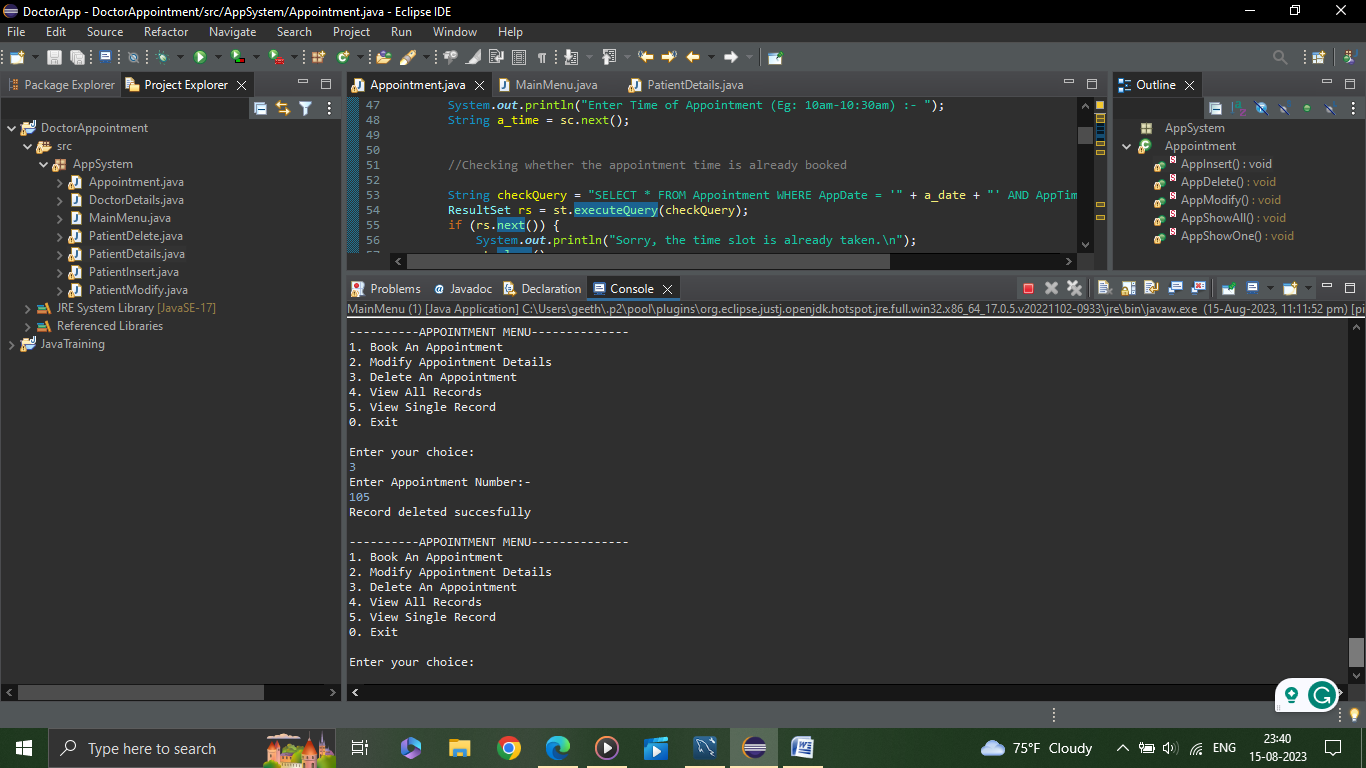
 

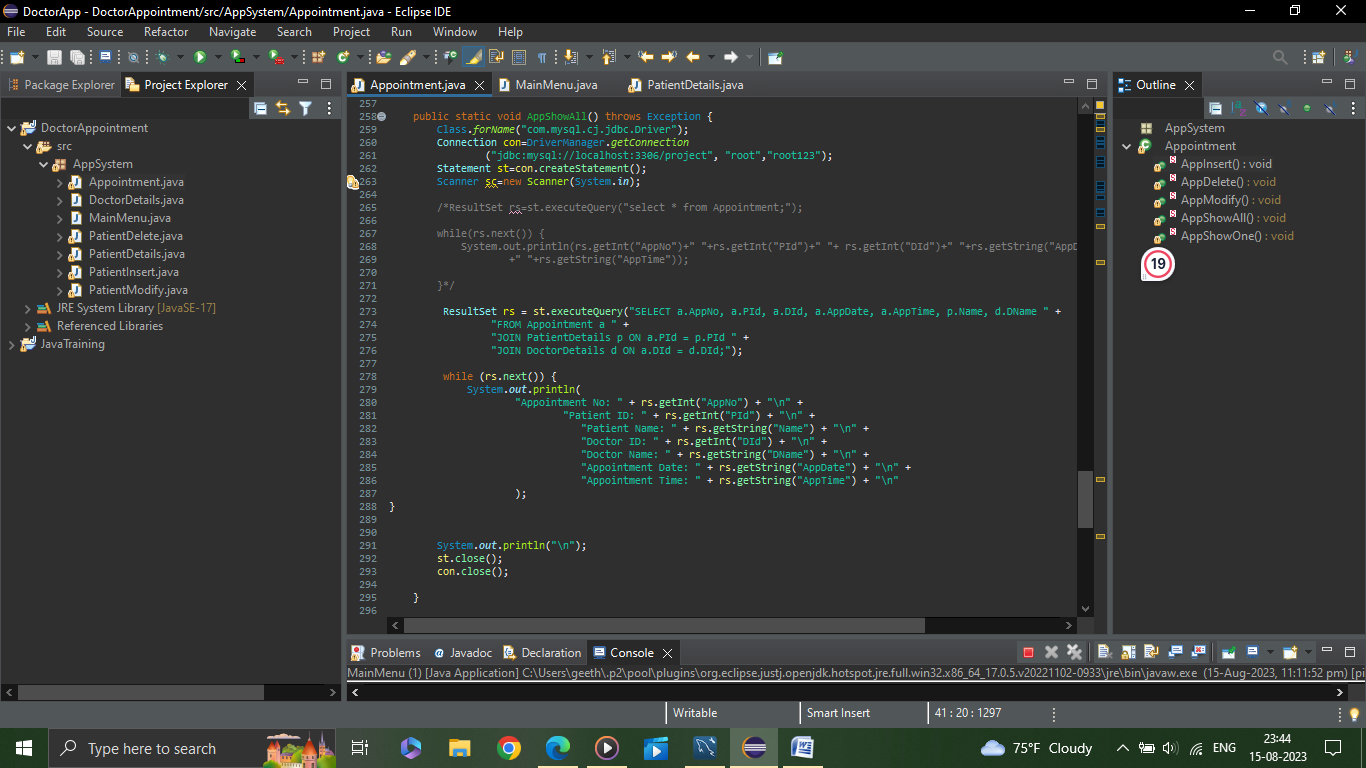


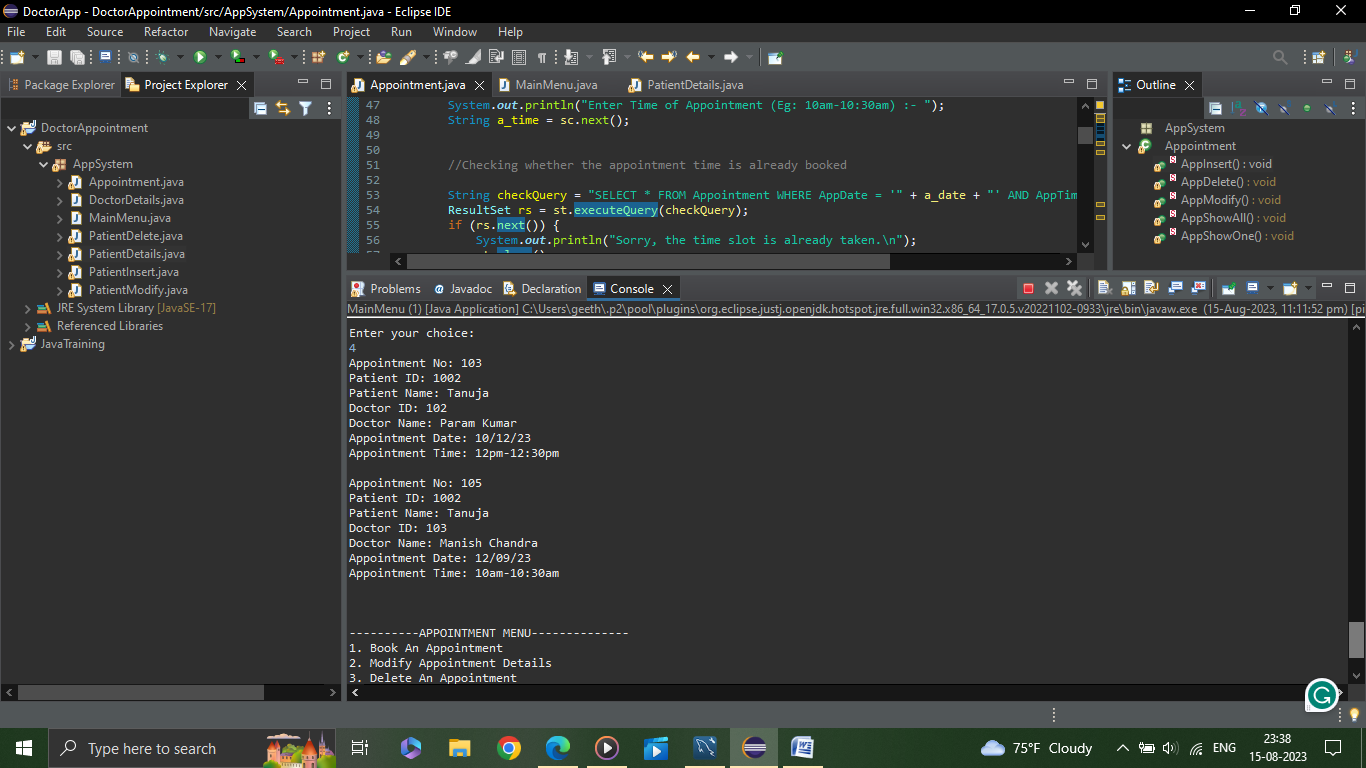
* Delete Appointment



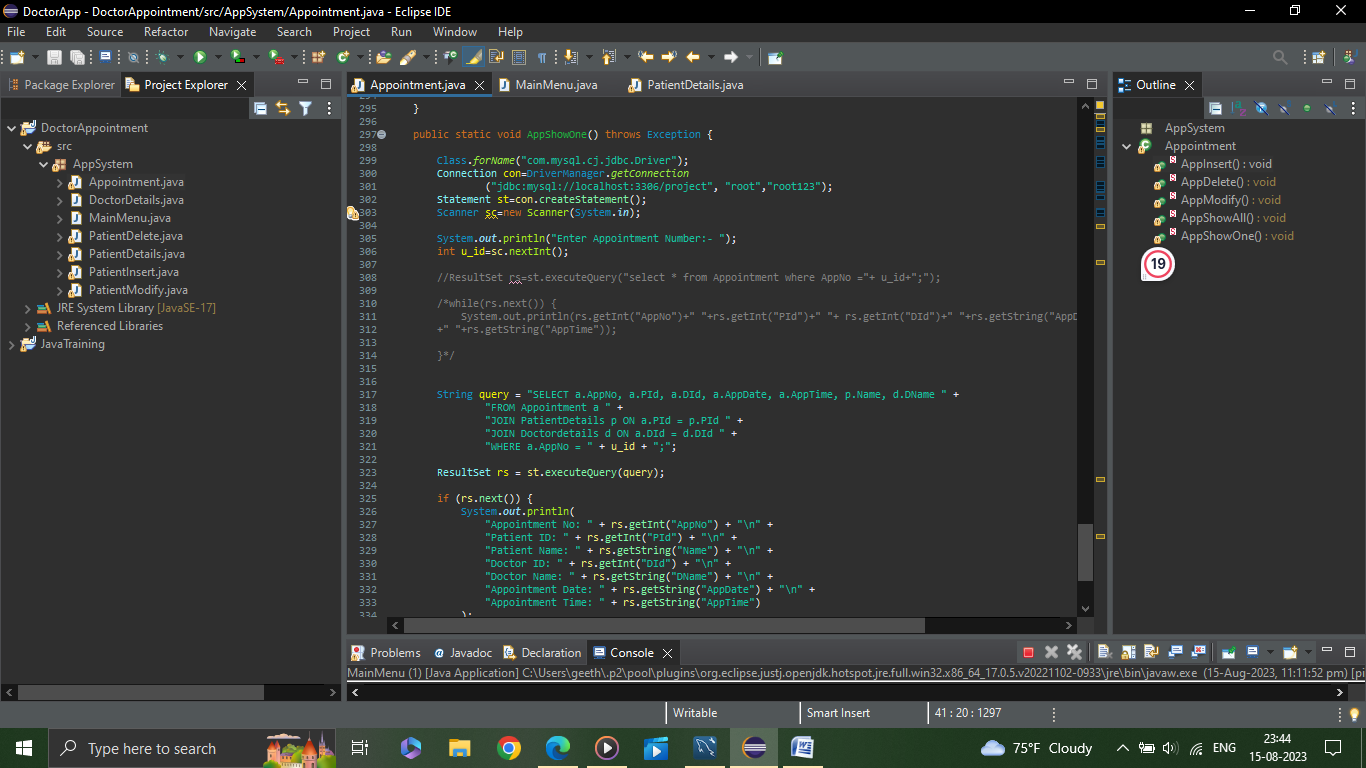


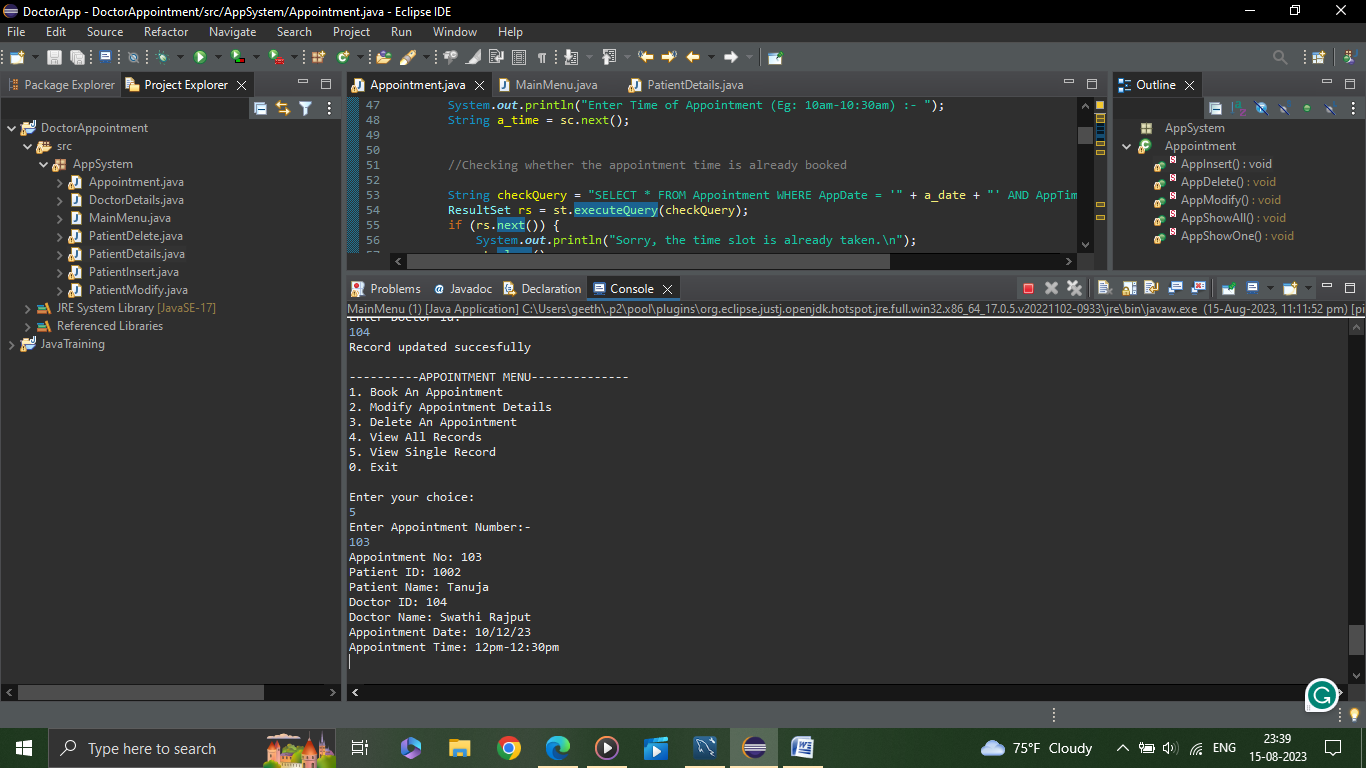
* Display all appointments





* Display details of an appointment





**6. CONCLUSION**

The Online Doctor Appointment System developed using Java and MySQL offers a reliable and efficient platform for patients to manage medical appointments.