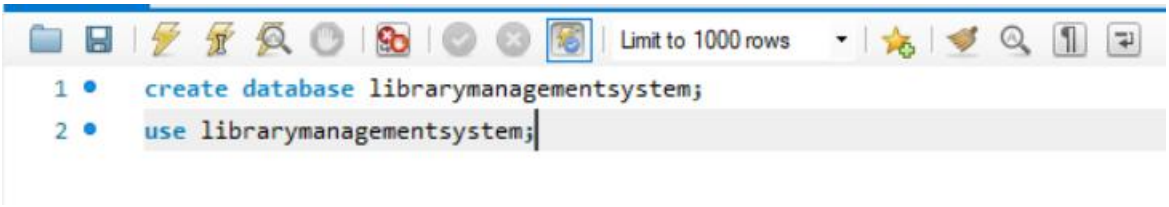
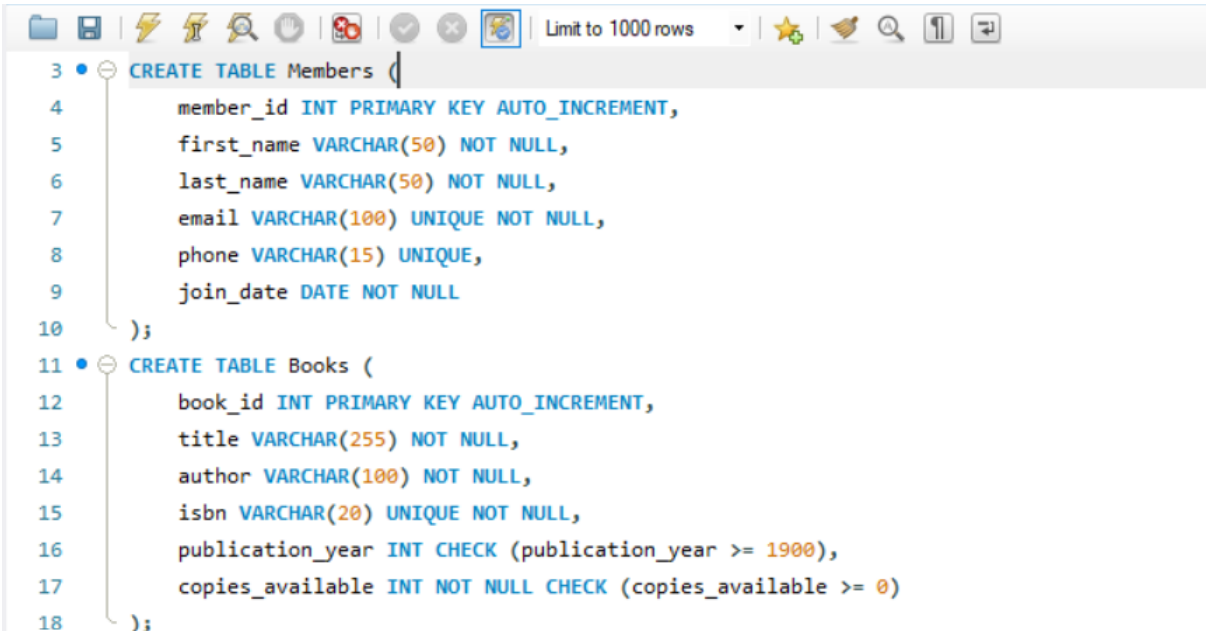
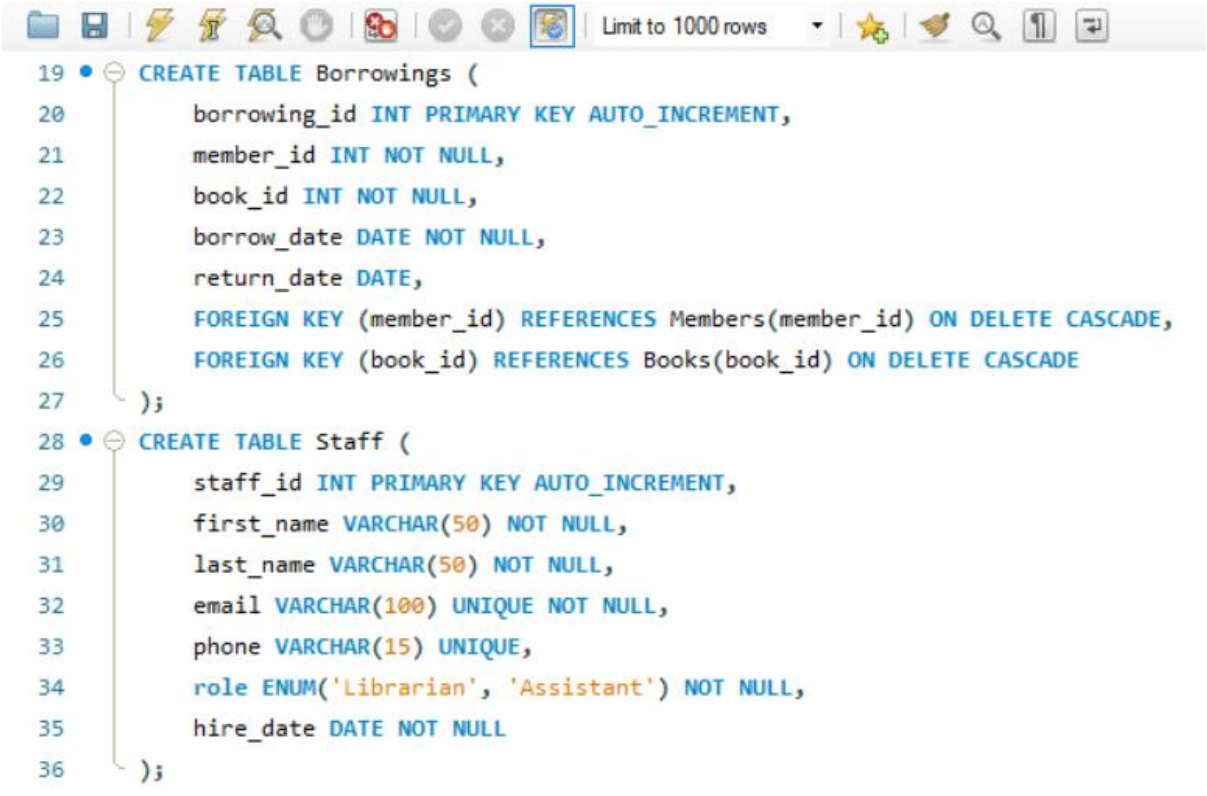
Assignment 2: Design a database schema for a library system, including tables, fields, and constraints like NOT NULL, UNIQUE, and CHECK. Include primary and foreign keys to establish relationships between tables.

Step 1 : Create Database.



Step 2 : Create Members, Books, Borrowings & Staff tables.




Limit to 1000 rows
CREATE TABLE Borrowings (
borrowing_id INT PRIMARY KEY AUTO_INCREMENT,
member_id INT NOT NULL,
book_id INT NOT NULL,
borrow_date DATE NOT NULL,
return_date DATE,
FOREIGN KEY (member_id) REFERENCES Members(member_id) ON DELETE CASCADE,
FOREIGN KEY (book_id) REFERENCES Books(book_id) ON DELETE CASCADE
);
CREATE TABLE Staff (
staff_id INT PRIMARY KEY AUTO_INCREMENT,
first_name VARCHAR(50) NOT NULL,
last_name VARCHAR(50) NOT NULL,
email VARCHAR(100) UNIQUE NOT NULL,
phone VARCHAR(15) UNIQUE,
role ENUM('Librarian', 'Assistant') NOT NULL,
hire_date DATE NOT NULL
);