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.

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□ □ ♥ ♠ Q □ № □ □ □ Limit to 1000 rows 

1 • create database librarymanagementsystem;
2 • use librarymanagementsystem;
```

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

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 3 • ○ CREATE TABLE Members (
           member_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,
           join_date DATE NOT NULL
10
       );
11 • ⊖ CREATE TABLE Books (
           book_id INT PRIMARY KEY AUTO_INCREMENT,
12
          title VARCHAR(255) NOT NULL,
13
           author VARCHAR(100) NOT NULL,
14
          isbn VARCHAR(20) UNIQUE NOT NULL,
15
           publication_year INT CHECK (publication_year >= 1900),
16
           copies_available INT NOT NULL CHECK (copies_available >= 0)
17
```

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19 • ⊖ CREATE TABLE Borrowings (
  20
            borrowing_id INT PRIMARY KEY AUTO_INCREMENT,
           member id INT NOT NULL,
  21
           book_id INT NOT NULL,
  22
            borrow date DATE NOT NULL,
  23
            return_date DATE,
  24
            FOREIGN KEY (member_id) REFERENCES Members(member_id) ON DELETE CASCADE,
  25
            FOREIGN KEY (book_id) REFERENCES Books(book_id) ON DELETE CASCADE
  26
  27
       );
  28 • ⊖ CREATE TABLE Staff (
            staff_id INT PRIMARY KEY AUTO INCREMENT,
  29
  30
           first_name VARCHAR(50) NOT NULL,
           last name VARCHAR(50) NOT NULL,
  31
            email VARCHAR(100) UNIQUE NOT NULL,
  32
            phone VARCHAR(15) UNIQUE,
  33
  34
            role ENUM('Librarian', 'Assistant') NOT NULL,
            hire_date DATE NOT NULL
  35
  36
       - );
```