SQL Internship Task 1: Library Management System

Step 1: Create the Database

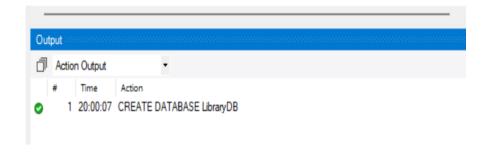
Query:

CREATE DATABASE LibraryDB;

Explanation:

This query creates a new database named 'LibraryDB'.

Output:



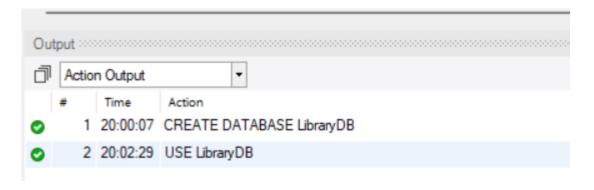
Step 2: Use the Created Database

Query:

USE LibraryDB;

Explanation:

Switches the active database context to 'LibraryDB'.



Step 3: Create the Books Table

Query:

```
CREATE TABLE Books (
BookID INT PRIMARY KEY AUTO_INCREMENT,
Title VARCHAR(100),
Author VARCHAR(100),
CopiesAvailable INT
);
```

Explanation:

Creates a table named 'Books' with columns for Book ID, Title, Author, and Copies Available.

Output:



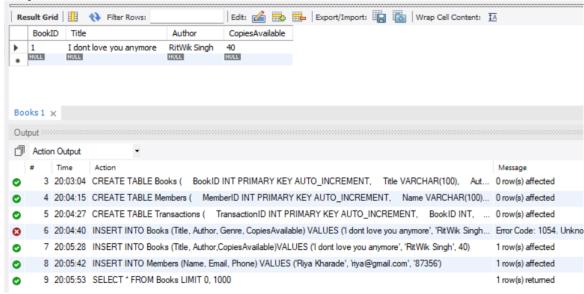
Step 4: Insert Data into Books Table

Query:

INSERT INTO Books (Title, Author, CopiesAvailable) VALUES ('I Dont Love You Anymore', 'Ritwik Singh', 40);

Explanation:

Populates the 'Books' table with sample data.



Step 5: Retrieve Data

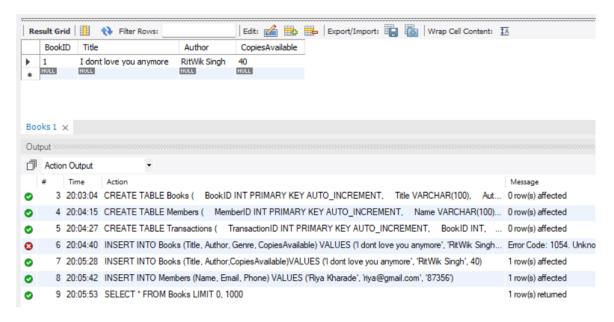
Query:

SELECT * FROM Books;

Explanation:

Retrieves all records from the 'Books' table.

Output:



Step 6: Update Data in Books Table

Query:

UPDATE Books
SET CopiesAvailable = CopiesAvailable - 1
WHERE BookID = 1;

Explanation:

Updates the 'CopiesAvailable' column by decreasing the count for the book with Book ID 1.



Step 7: Delete Data from Transactions Table

Query:

DELETE FROM Transactions WHERE TransactionID = 1;

Explanation:

Deletes a record from the 'Transactions' table where the Transaction ID is 1.

