Create database lab6;

use lab6;

CREATE TABLE Library (

BookName VARCHAR(255) PRIMARY KEY,

SubjectName VARCHAR(255),

CountOfBooks INT

);

INSERT INTO Library (BookName, SubjectName, CountOfBooks) VALUES

('Book A', 'digital\_design', 10),

('Book B', 'networks', 5),

('Book C', 'economics', 8);

CREATE TABLE BorrowedBooks (

BookID INT PRIMARY KEY,

BookName VARCHAR(255),

FOREIGN KEY (BookName) REFERENCES Library(BookName)

);

INSERT INTO BorrowedBooks (BookID, BookName) VALUES

(1, 'Book A'),

(2, 'Book B'),

(3, 'Book C'),

(4, 'Book A');

CREATE TABLE BorrowedBooksLog (

BookID INT PRIMARY KEY,

DueDate DATE,

FOREIGN KEY (BookID) REFERENCES BorrowedBooks(BookID)

);

INSERT INTO BorrowedBooksLog (BookID, DueDate) VALUES

(1, '2023-11-15'), -- Book A

(2, '2023-11-20'), -- Book B

(3, '2023-11-25'), -- Book C

(4, '2023-11-30'); -- Book A

CREATE TABLE SanctionedBooksLog (

BookID INT PRIMARY KEY,

DateSanctioned DATE,

FOREIGN KEY (BookID) REFERENCES BorrowedBooks(BookID)

);

INSERT INTO SanctionedBooksLog (BookID, DateSanctioned) VALUES

(1, '2023-11-10'), -- Book A

(2, '2023-11-12'), -- Book B

(3, '2023-11-14'), -- Book C

(4, '2023-11-16'); -- Book A

ER MODEL:

