-- Create Authors Table

create table Authors (

authorID int primary key,

authorName varchar(101)

);

-- Create Books Table

create table Books (

bookID int primary key,

title varchar(101),

authorID int,

stock int,

foreign key (authorID) references Authors(authorID)

);

-- Create Customers Table

create table Customers (

customerID int primary key,

customerName varchar(101),

email varchar(101),

address varchar(101)

);

-- Create Orders Table

create table Orders (

orderID int primary key,

customerID int,

bookID int,

orderDate date,

quantity int,

foreign key (customerID) references Customers(customerID),

foreign key (bookID) references Books(bookID)

);

-- Insert data into Authors table

insert into Authors (authorID, authorName) values

(1, 'J.K. Rowling'),

(2, 'George Orwell'),

(3, 'Jane Austen'),

(4, 'Stephen King'),

(5, 'Harper Lee');

-- Insert data into Books table

insert into Books (bookID, title, authorID, stock) values

(1, 'Harry Potter and the Philosopher''s Stone', 1, 50),

(2, '1984', 2, 30),

(3, 'Pride and Prejudice', 3, 40),

(4, 'The Shining', 4, 25),

(5, 'To Kill a Mockingbird', 5, 35);

-- Insert data into Customers table

insert into Customers (customerID, customerName, email, address) values

(1, 'Alice Johnson', 'alice@example.com', '123 Main St'),

(2, 'Bob Smith', 'bob@example.com', '456 Elm St'),

(3, 'Eva Brown', 'eva@example.com', '789 Oak St'),

(4, 'Michael Davis', 'michael@example.com', '101 Maple St'),

(5, 'Sophia Wilson', 'sophia@example.com', '321 Pine St');

-- Insert data into Orders table

insert into Orders (orderID, customerID, bookID, orderDate, quantity) values

(1, 1, 1, '2023-01-05', 3),

(2, 2, 2, '2023-02-10', 2),

(3, 3, 3, '2023-03-15', 1),

(4, 4, 4, '2023-04-20', 4),

(5, 5, 5, '2023-05-25', 2),

(6, 1, 2, '2023-06-30', 1),

(7, 2, 3, '2023-07-05', 3),

(8, 3, 4, '2023-08-10', 2),

(9, 4, 5, '2023-09-15', 1),

(10, 5, 1, '2023-10-20', 3);