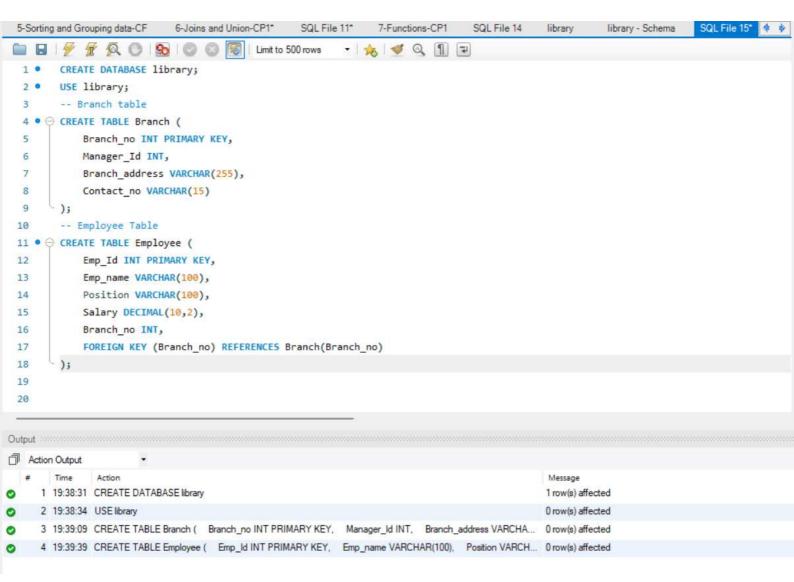
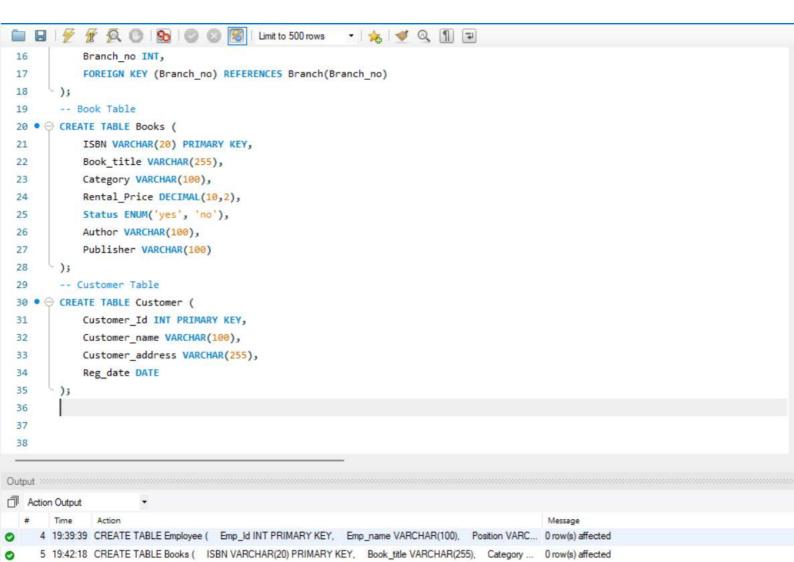
Step 1: Database Creation

Step 2: Create Tables

- 1. Branch Table
- 2. Employee Table

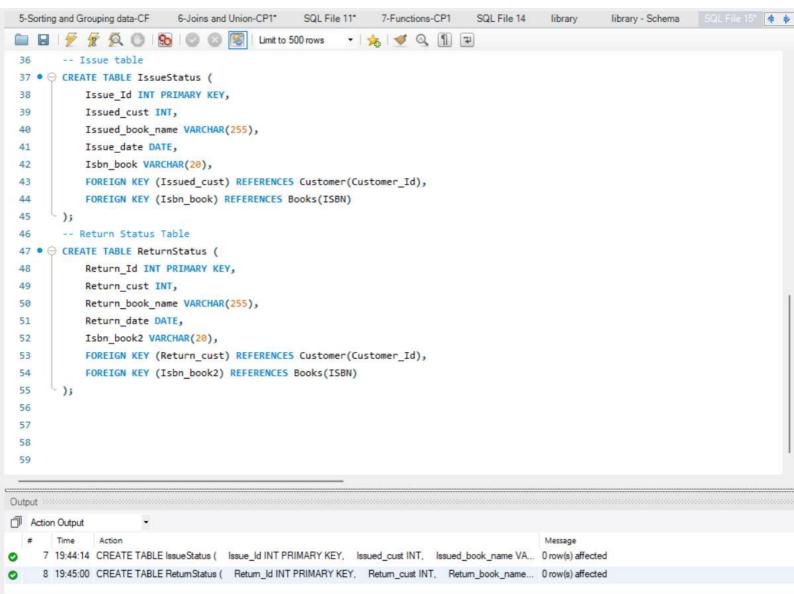


- 3. Books Table
- 4. Customer Table

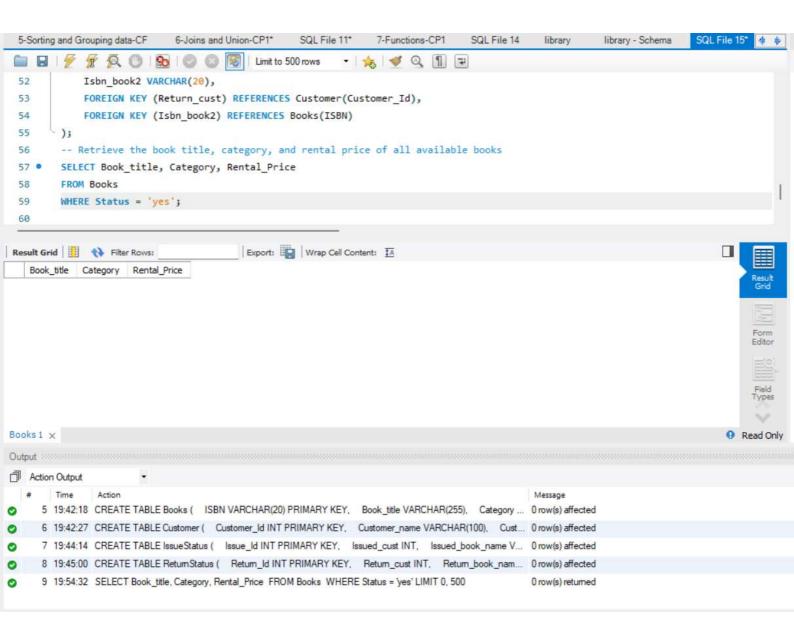


6 19:42:27 CREATE TABLE Customer (Customer_id INT PRIMARY KEY, Customer_name VARCHAR(100), Cust... 0 row(s) affected

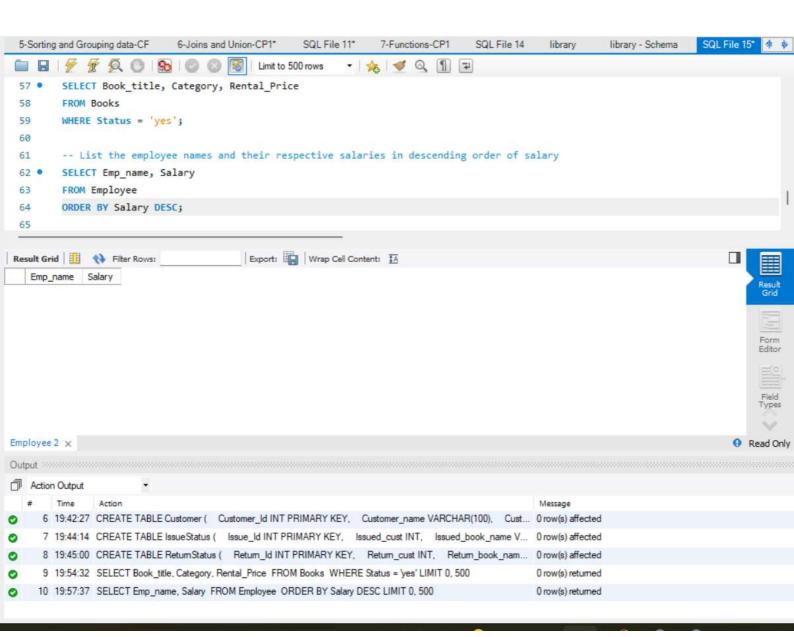
- 5. IssueStatus Table
- 6. ReturnStatus Table



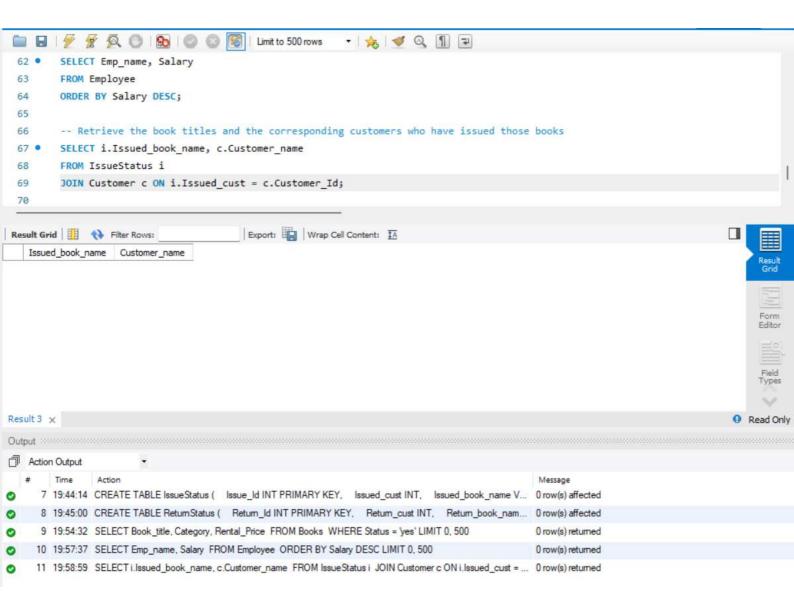
Step 3: Queries for Required Tasks Retrieve the book title, category, and rental price of all available books



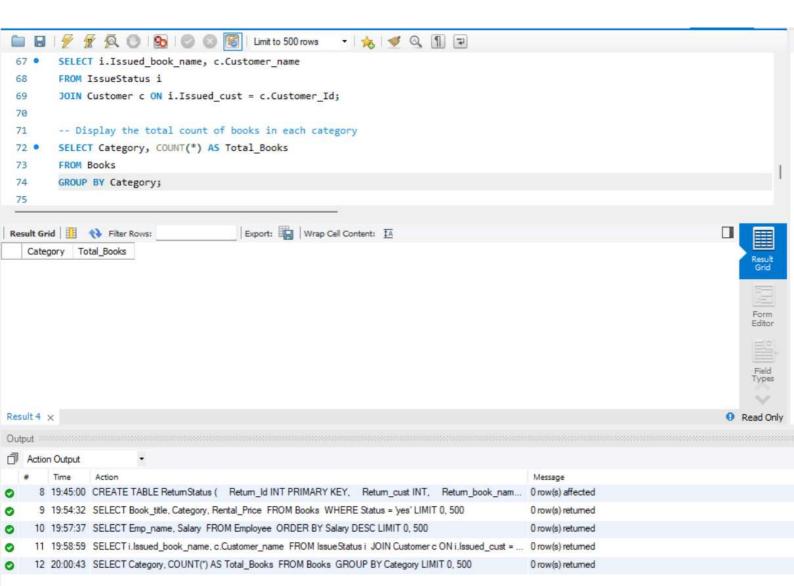
List the employee names and their respective salaries in descending order of salary



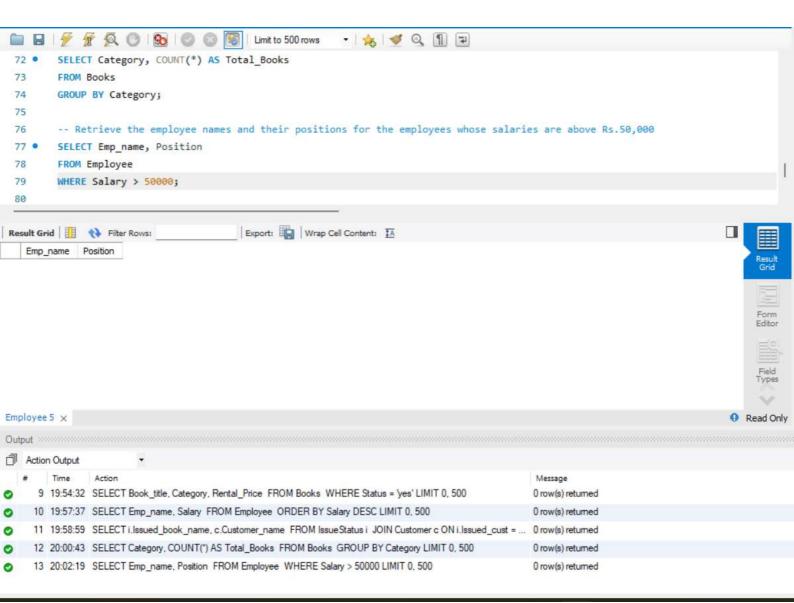
Retrieve the book titles and the corresponding customers who have issued those books



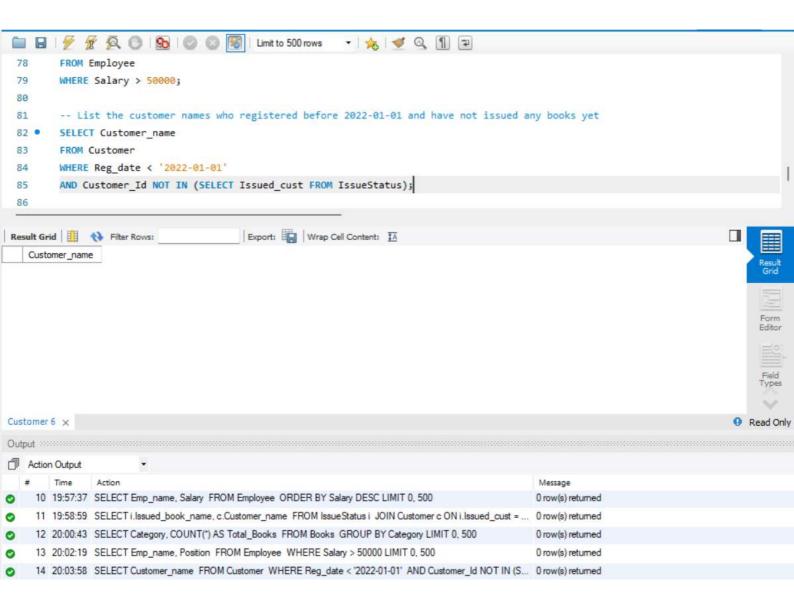
Display the total count of books in each category



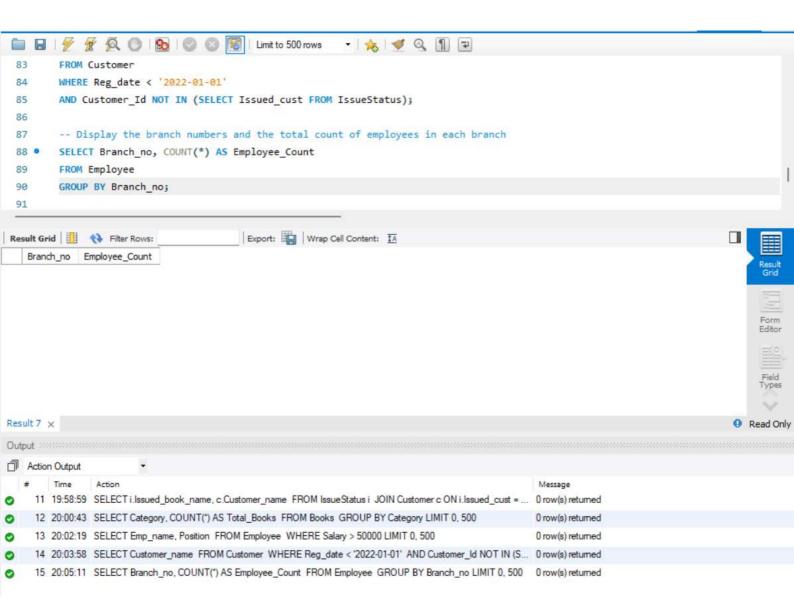
Retrieve the employee names and their positions for the employees whose salaries are above Rs.50,000



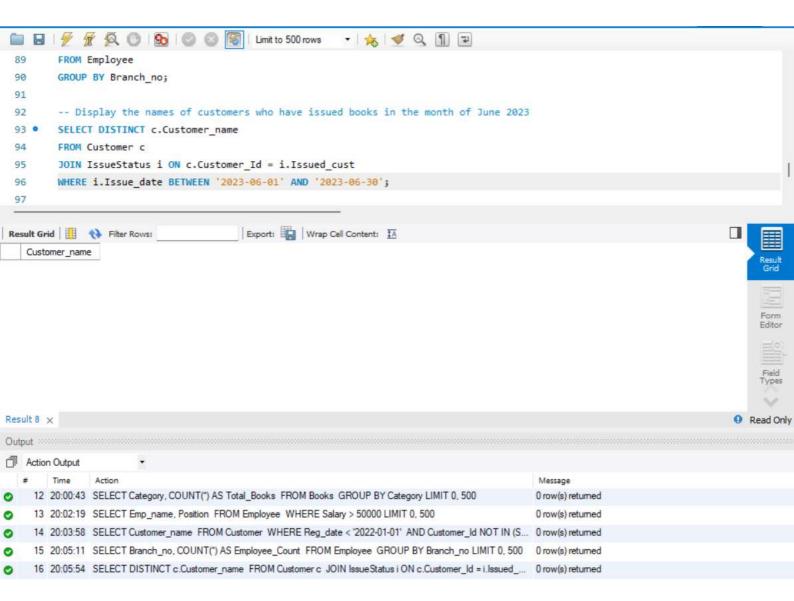
List the customer names who registered before 2022-01-01 and have not issued any books yet



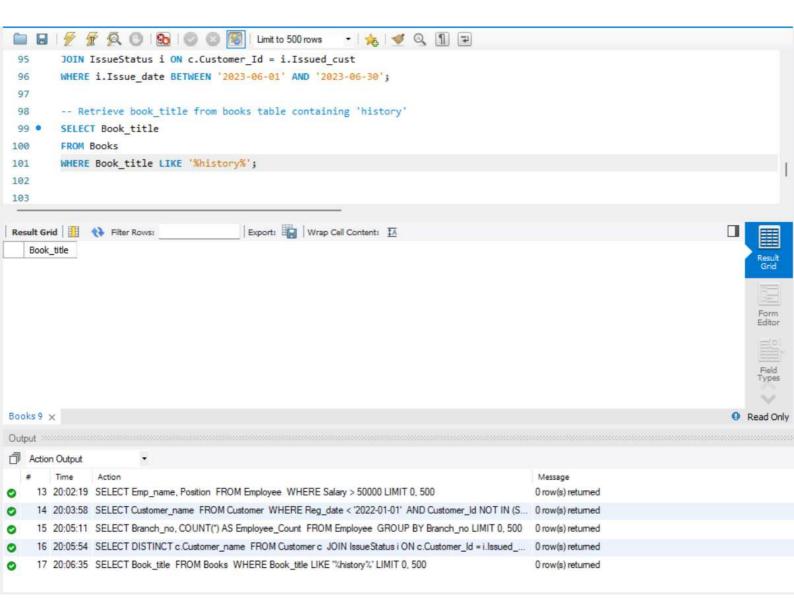
Display the branch numbers and the total count of employees in each branch



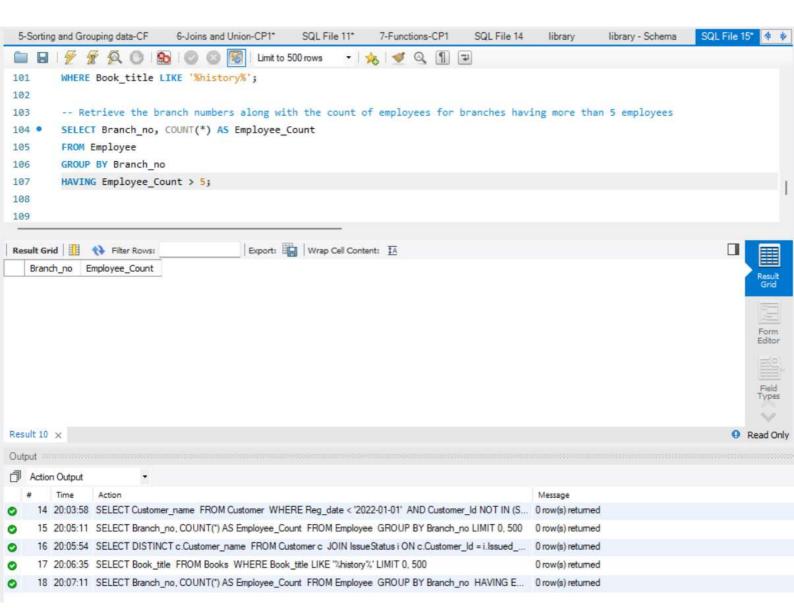
Display the names of customers who have issued books in the month of June 2023



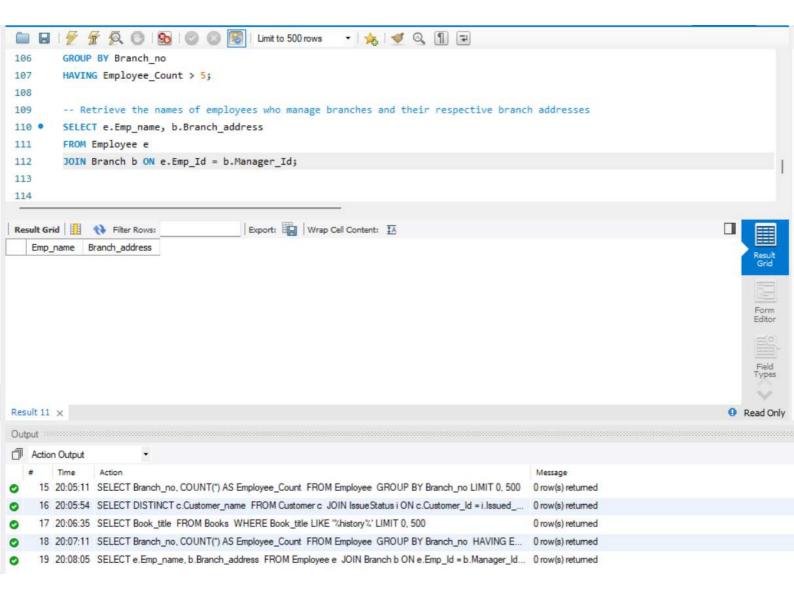
Retrieve book_title from books table containing 'history'



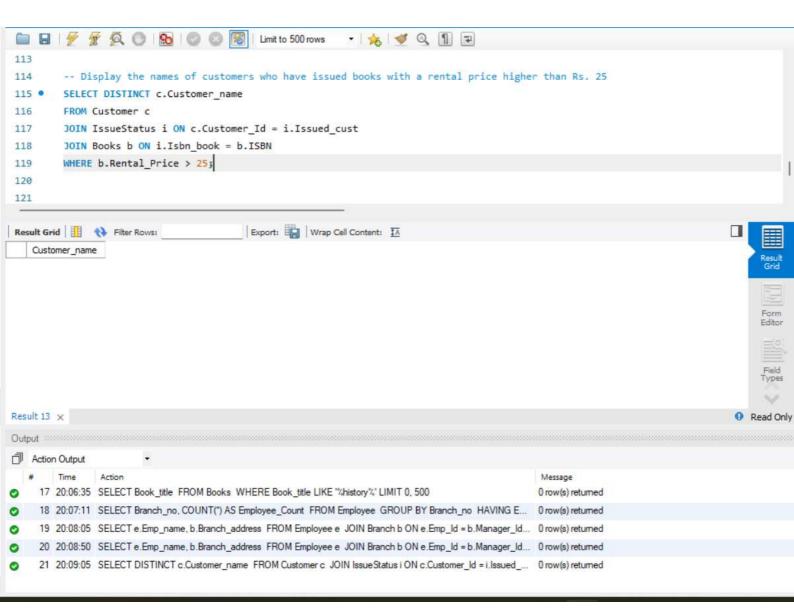
Retrieve the branch numbers along with the count of employees for branches having more than 5 employees



Retrieve the names of employees who manage branches and their respective branch addresses



Display the names of customers who have issued books with a rental price higher than Rs. 25



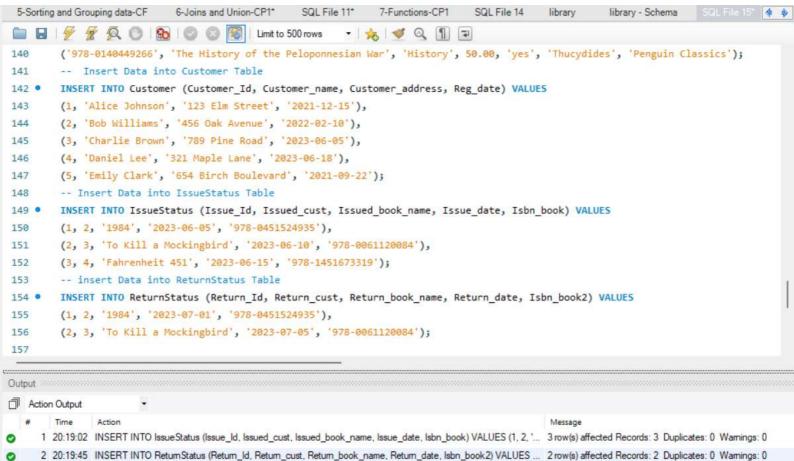
Step 4: Insert Sample Data

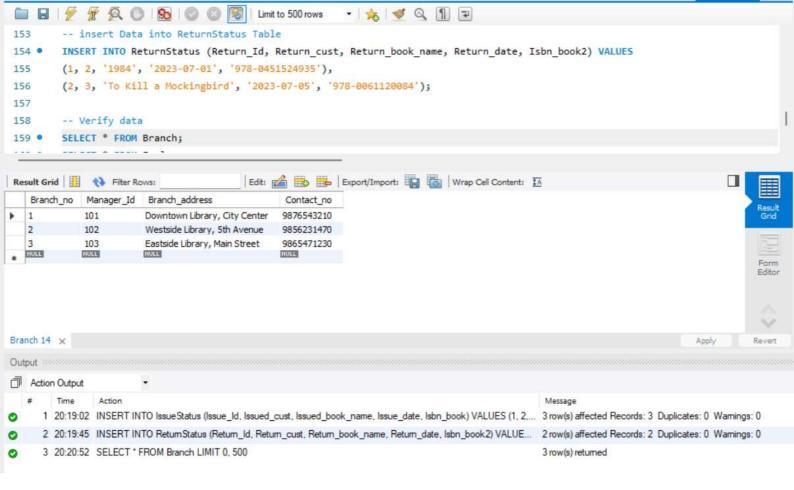
Time

```
- | 🏡 | 🎺 🔍 🗐 🖘
        -- Insert Data into Branch Table
121
       INSERT INTO Branch (Branch_no, Manager_Id, Branch_address, Contact_no) VALUES
122 •
        (1, 101, 'Downtown Library, City Center', '9876543210'),
123
        (2, 102, 'Westside Library, 5th Avenue', '9856231470'),
        (3, 103, 'Eastside Library, Main Street', '9865471230');
125
126
        -- Insert Data into Employee Table
127 •
       INSERT INTO Employee (Emp_Id, Emp_name, Position, Salary, Branch_no) VALUES
        (101, 'John Doe', 'Manager', 75000, 1),
128
        (102, 'Sarah Smith', 'Manager', 72000, 2),
        (103, 'Michael Johnson', 'Manager', 68000, 3),
130
        (104, 'Emma Davis', 'Librarian', 45000, 1),
131
        (105, 'David Brown', 'Assistant Librarian', 35000, 2),
132
        (106, 'Olivia Wilson', 'Librarian', 52000, 3);
133
        -- Insert Data into Books Table
135 • INSERT INTO Books (ISBN, Book_title, Category, Rental_Price, Status, Author, Publisher) VALUES
136
        ('978-0451524935', '1984', 'Fiction', 30.00, 'yes', 'George Orwell', 'Penguin'),
        ('978-0061120084', 'To Kill a Mockingbird', 'Fiction', 25.00, 'yes', 'Harper Lee', 'HarperCollins'),
137
        ('978-1451673319', 'Fahrenheit 451', 'Science Fiction', 40.00, 'no', 'Ray Bradbury', 'Simon & Schuster'),
138
        ('978-0743273565', 'The Great Gatsby', 'Classic', 35.00, 'yes', 'F. Scott Fitzgerald', 'Scribner'),
140
        ('978-0140449266', 'The History of the Peloponnesian War', 'History', 50.00, 'yes', 'Thucydides', 'Penguin Classics');
141
Output
Action Output
```

22 20:14:16 INSERT INTO Branch (Branch_no, Manager_ld, Branch_address, Contact_no) VALUES (1, 101, 'Downtown... 3 row(s) affected Records: 3 Duplicates: 0 Wamings: 0
23 20:14:52 INSERT INTO Employee (Emp_ld, Emp_name, Position, Salary, Branch_no) VALUES (101, 'John Doe', 'Man... 6 row(s) affected Records: 6 Duplicates: 0 Wamings: 0
24 20:15:39 INSERT INTO Books (ISBN, Book_title, Category, Rental_Price, Status, Author, Publisher) VALUES (978-04... 5 row(s) affected Records: 5 Duplicates: 0 Wamings: 0

20 20:08:50 SELECT e.Emp_name, b.Branch_address FROM Employee e JOIN Branch b ON e.Emp_ld = b.Manager_ld... 0 row(s) returned
21 20:09:05 SELECT DISTINCT c.Customer_name FROM Customer c JOIN IssueStatus i ON c.Customer_ld = i.Issued_... 0 row(s) returned





Step 5: Verify Data After inserting the data, you can verify by select

