ASSIGNMENT

LIBRARY MANAGEMENT SYSTEM

Create a database named library and following TABLES in the database:

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- 1. Branch
- 2. Employee
- 3. Books
- 4. Customer
- 5. IssueStatus
- 6. ReturnStatus

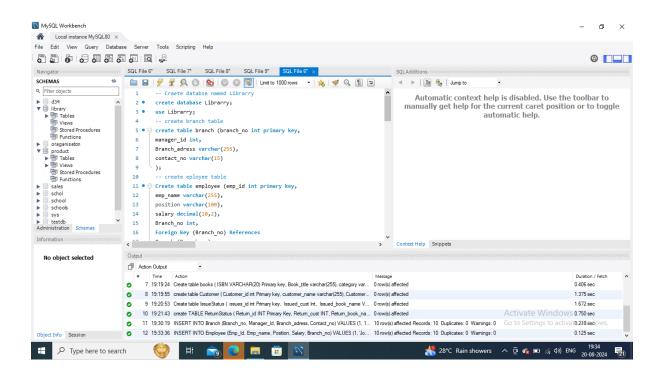
Attributes for the tables:

- 1. Branch
- Branch_no
- Set as PRIMARY KEY
- Manager Id

- Branch_address
- · Contact no

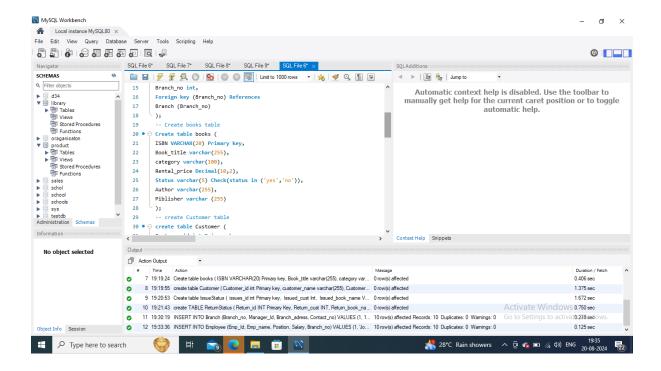
2. Employee

- Emp Id Set as PRIMARY KEY
- Emp name
- Position
- Salary
- Branch_no



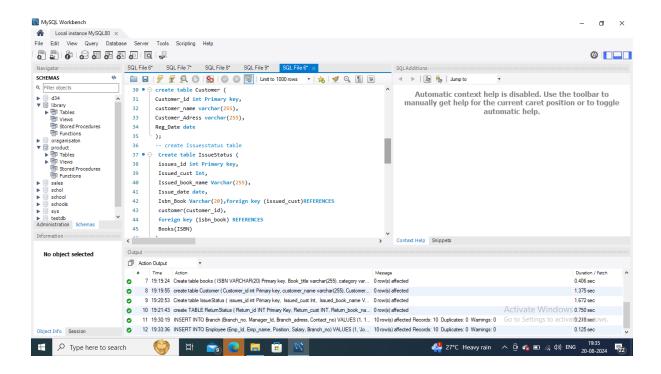
- 3. Books
- ISBN
- Set as PRIMARY KEY

- Book_title
- Category
- Rental Price
- Status [Give yes if book available and no if book not available]
- Author
- Publisher



- 4. Customer
- Customer Id
- Set as PRIMARY KEY
- Customer_name
- Customer_address
- Reg_date
- 5. IssueStatus

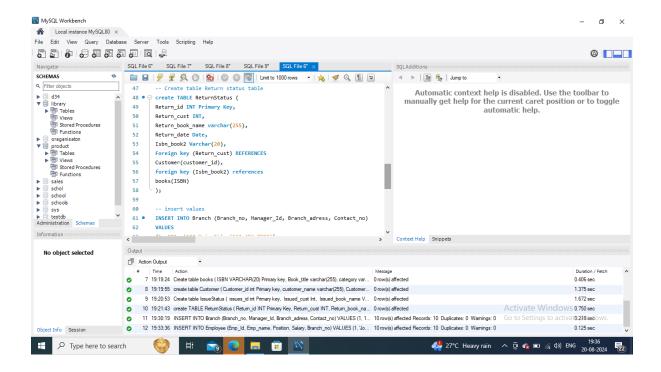
- Issue_Id
- Set as PRIMARY KEY
- Issued_cust Set as FOREIGN KEY and it refer customer_id in CUSTOMER table Issued_book_name
- Issue date
- Isbn_book Set as FOREIGN KEY and it should refer isbn in BOOKS table



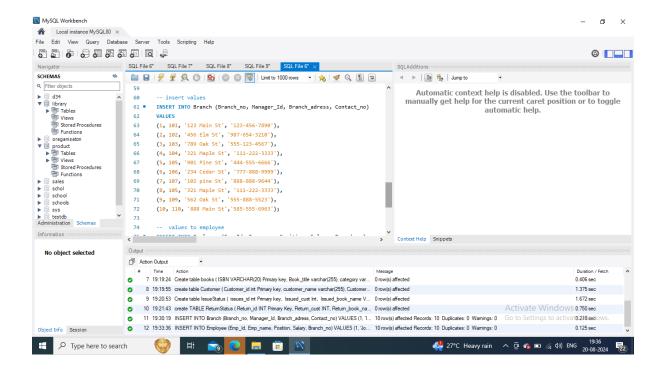
6. ReturnStatus

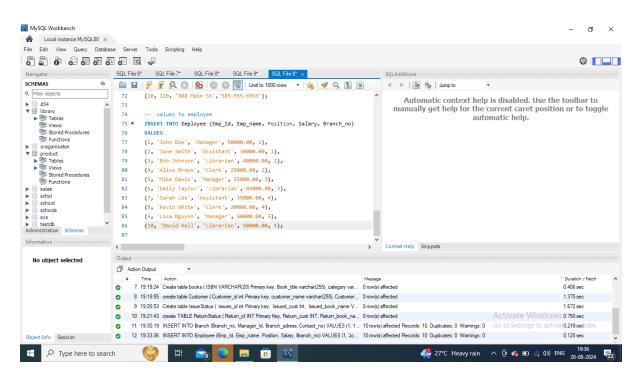
- Return Id
- Set as PRIMARY KEY
- Return_cust
- Return book name

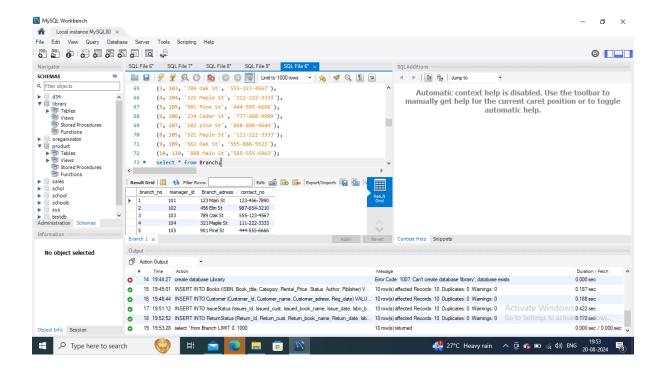
- Return_date
- Isbn book2
- Set as FOREIGN KEY and it should refer isbn in BOOKS table

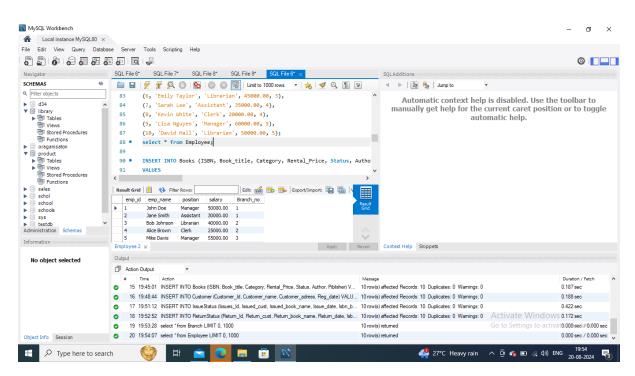


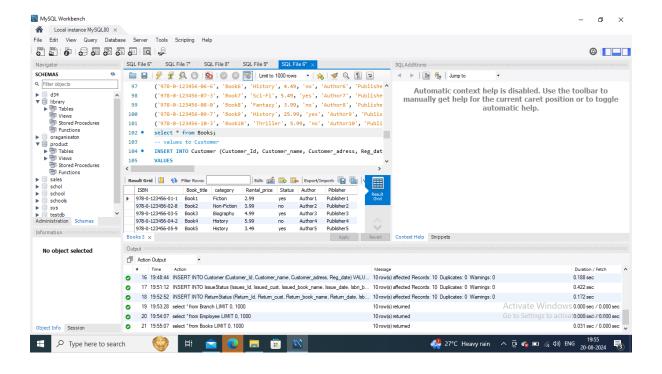
INSERT VALUES INTO TABLES

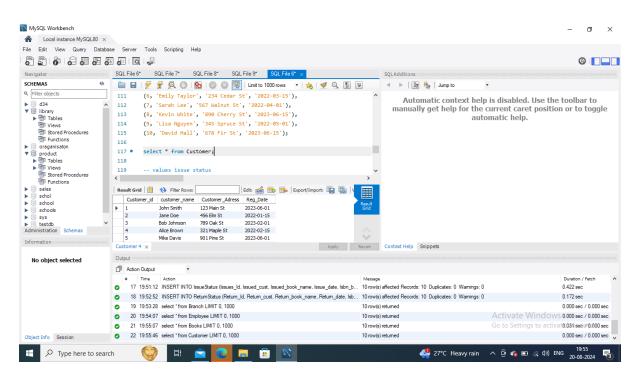


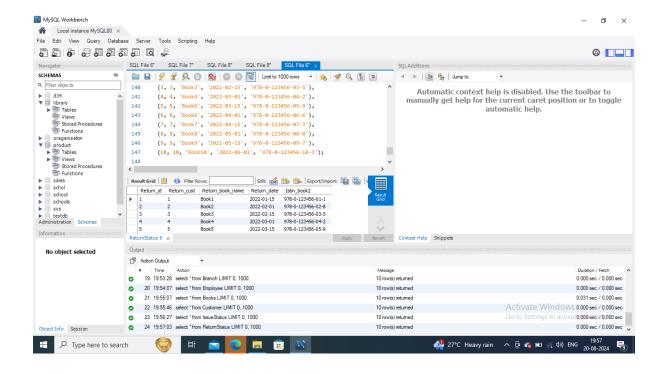




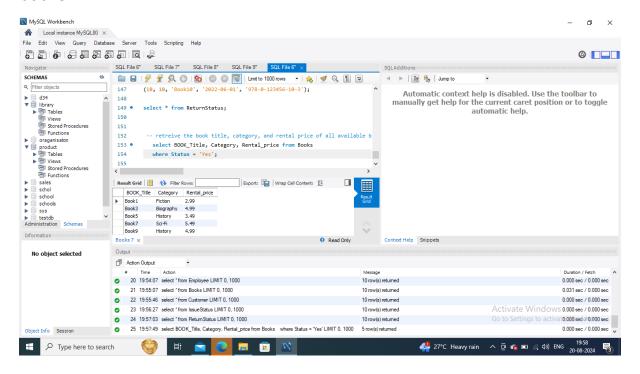




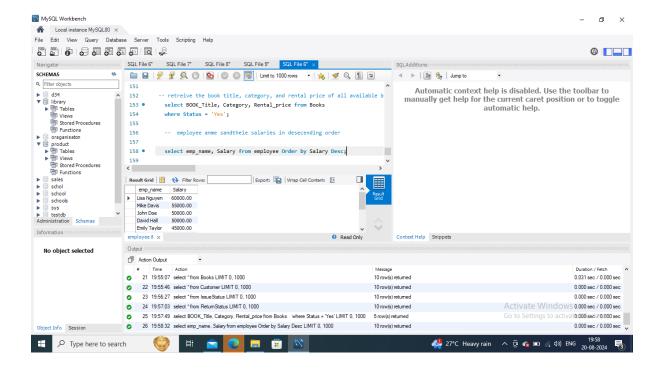




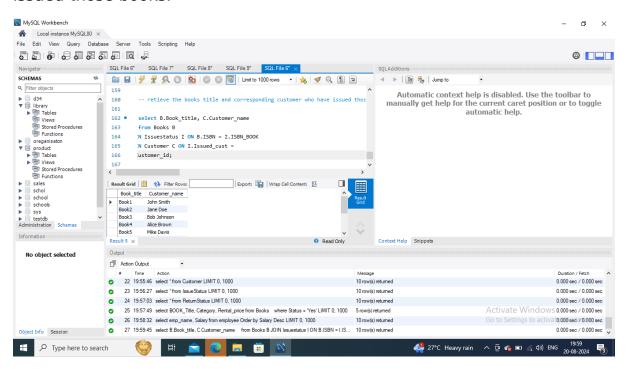
1. Retrieve the book title, category, and rental price of all available books.



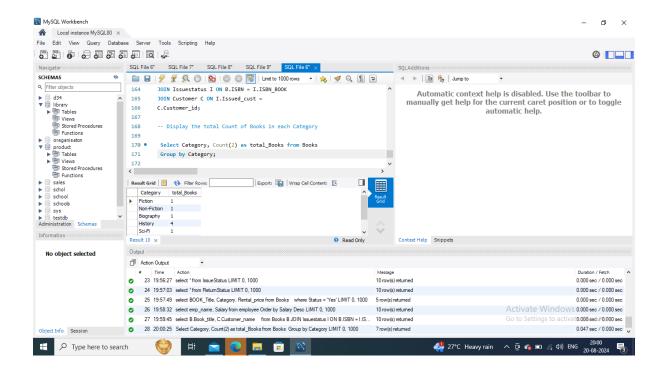
2. List the employee names and their respective salaries in descending order of salary.



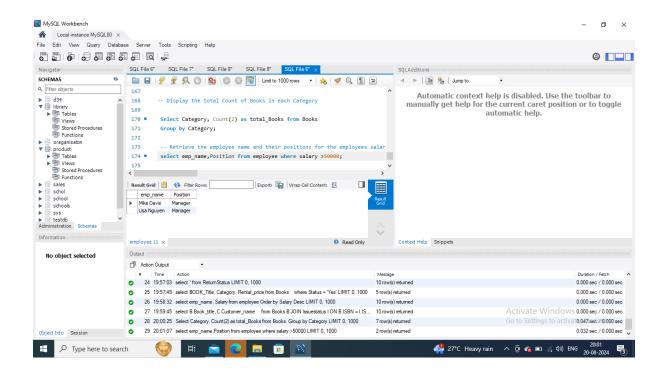
3. Retrieve the book titles and the corresponding customers who have issued those books.



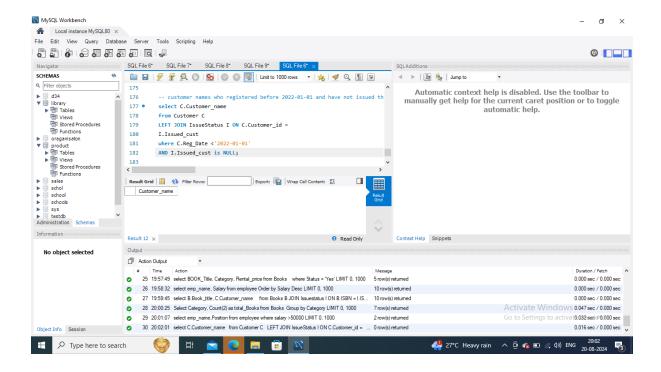
4. Display the total count of books in each category.



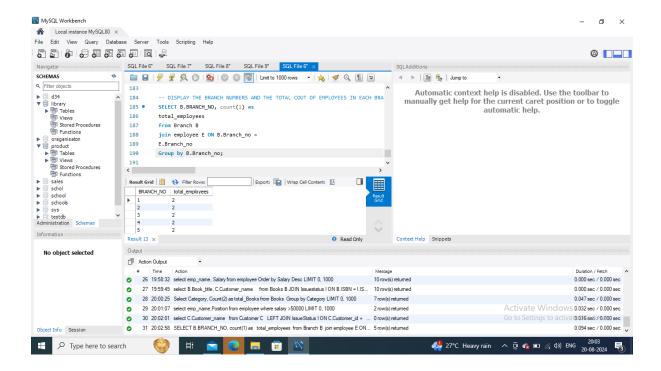
5. Reteive the employee names and their positions for the employees whose salaries are above Rs.50,000.



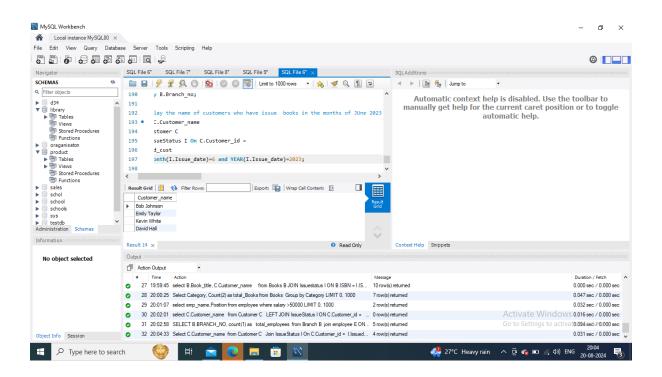
6. List the customer names who registered before 2022-01-01 and have not issued any books yet.



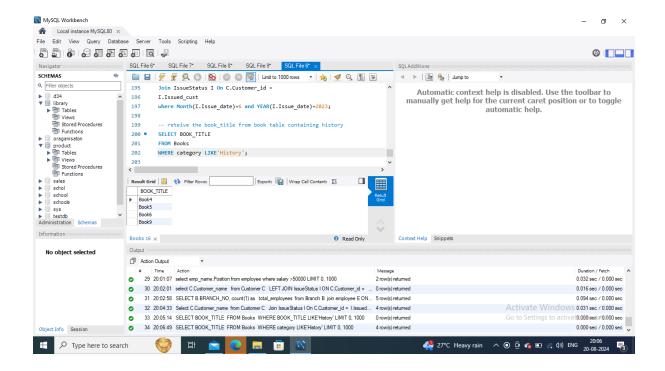
7. Display the branch numbers and the total count of employees in each branch.



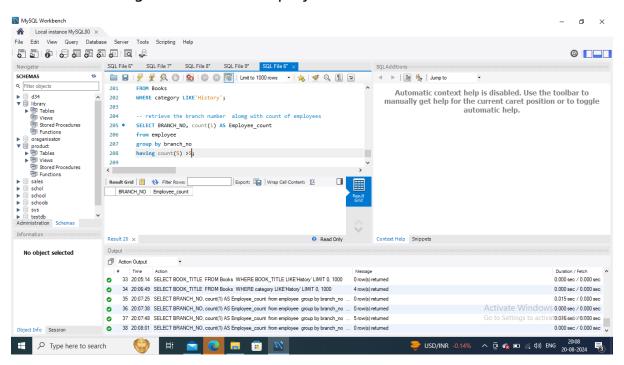
8. Display the names of customers who have issued books in the month of June 2023.



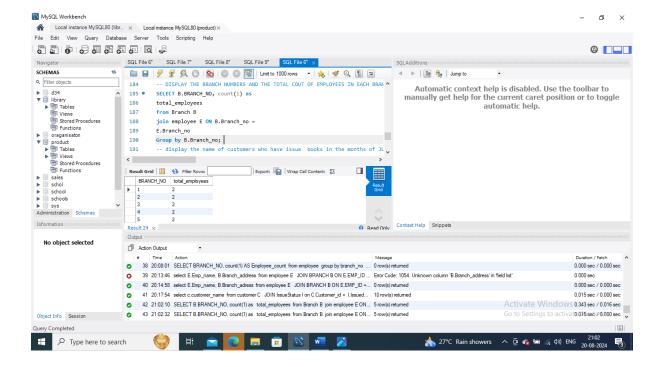
9. Retrieve book_title from book table containing history.



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



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



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

