# **Library Management System**

You are going to build a project based on Library Management System. It keeps track of all information about books in the library, their cost, status and total number of books available in the library.

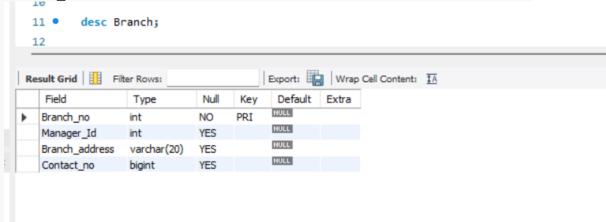
Create a database named library and following TABLES in the database:

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

### Attributes for the tables:

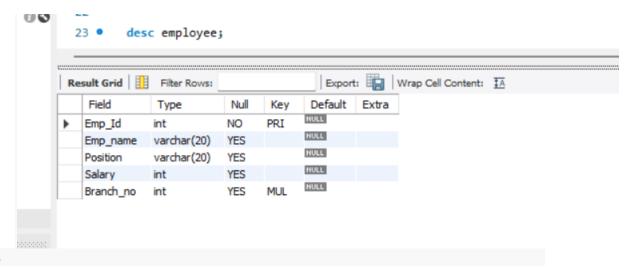
#### 1. Branch

- · Branch no Set as PRIMARY KEY
- Manager\_Id
- Branch\_address
- Contact\_no



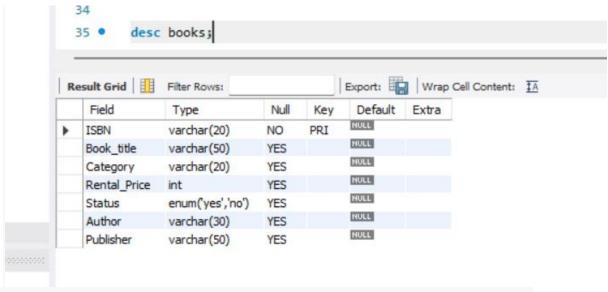
# 2. Employee

- Emp\_Id Set as PRIMARY KEY
- Emp\_name
- Position
- Salary
- Branch\_no Set as FOREIGN KEY and it refer Branch\_no in Branch table



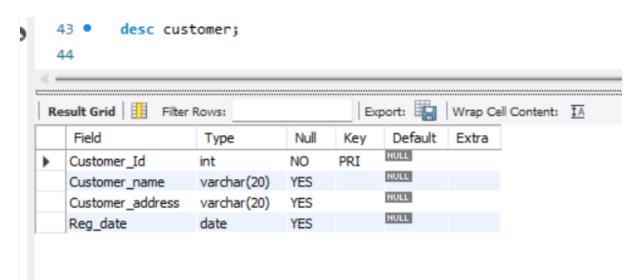
# 3. Books

- ISBN Set as PRIMARY KEY
- Book\_title
- Category
- Rental\_Price
- Status [Give yes if book available and no if book not available]
- Author
- Publisher



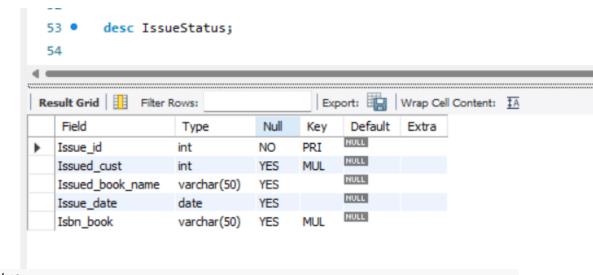
# 4. Customer

- Customer\_Id Set as PRIMARY KEY
- Customer name
- Customer\_address
- Reg\_date



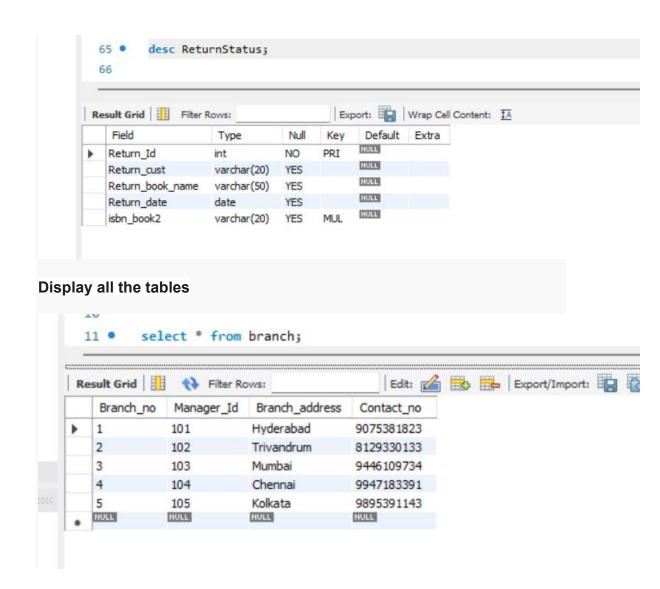
#### 5. IssueStatus

- 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

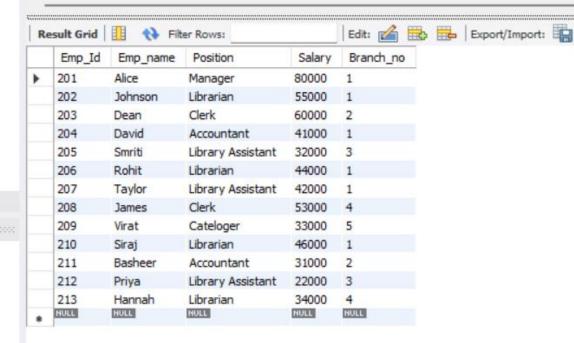


#### 6. ReturnStatus

- 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



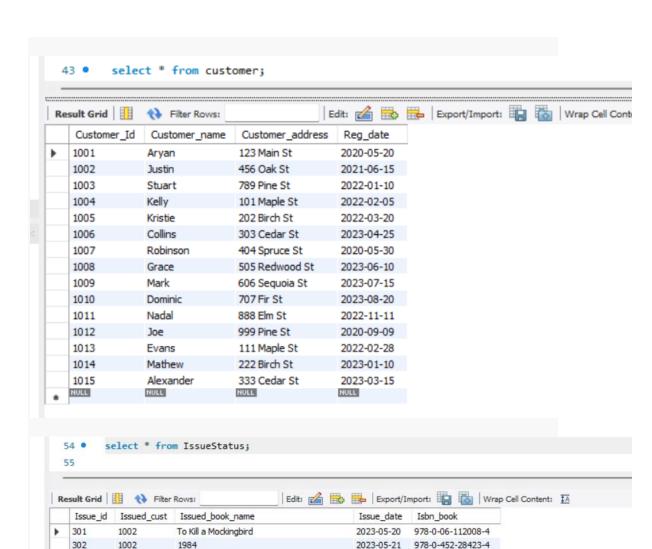




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2023-05-22

2023-06-10

The Silk Roads: A New History of the World 2023-06-03 978-0-141-04847-4

978-0-7432-7356-5

978-1-4767-2765-8

2023-06-01 978-0-393-05889-6

2023-06-02 978-0-670-03282-1

2023-06-04 978-0-316-76948-8

2023-06-05 978-0-670-82162-3

2023-06-06 978-0-679-78161-9 2023-06-07 978-0-679-76244-1

2023-06-08 978-0-7432-7358-8

2023-06-09 978-0-375-50420-2

2023-06-11 978-0-451-52919-3 2023-06-12 978-0-374-53012-4

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The Great Gatsby

Guns, Germs, and Steel

The Catcher in the Rye

The Book Thief

Steve Jobs

Pride and Prejudice

The Wright Brothers

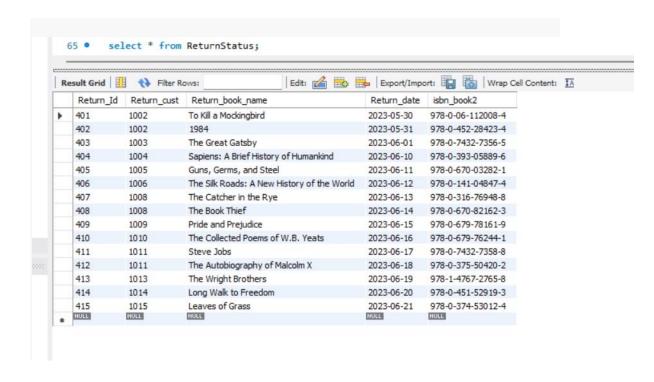
Leaves of Grass

Long Walk to Freedom

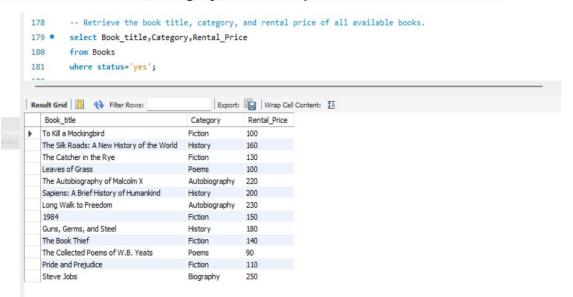
Sapiens: A Brief History of Humankind

The Collected Poems of W.B. Yeats

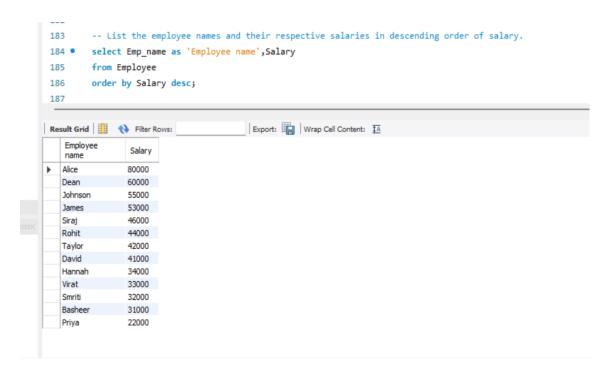
The Autobiography of Malcolm X



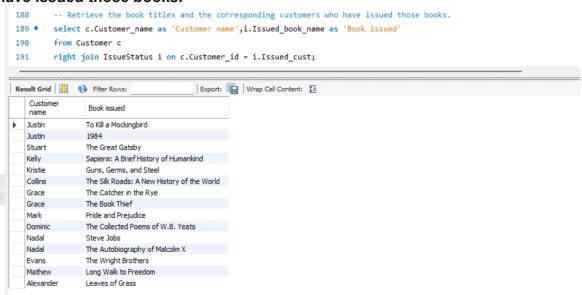
1. Retrieve the book title, category, and rental price of all available books.



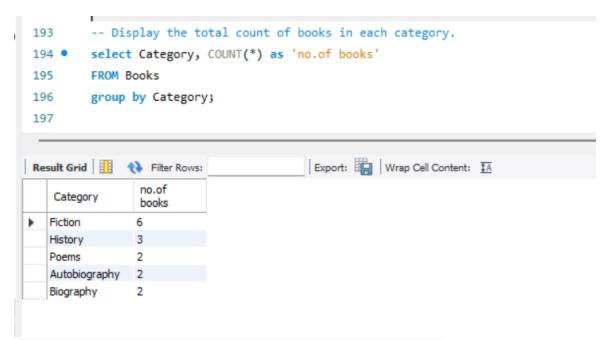
2. List the employee names and their respective salaries in descending order of salary.



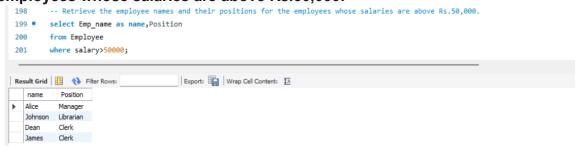
3. Retrieve the book titles and the corresponding customers who have issued those books.



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



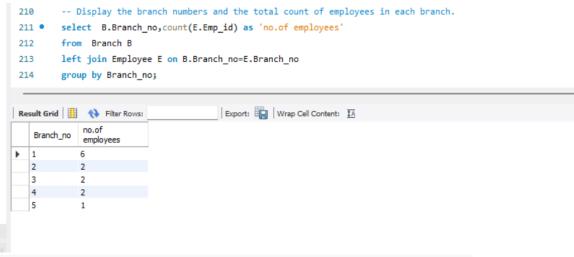
5. Retrieve the employee names and their positions for the employees whose salaries are above Rs.50,000.



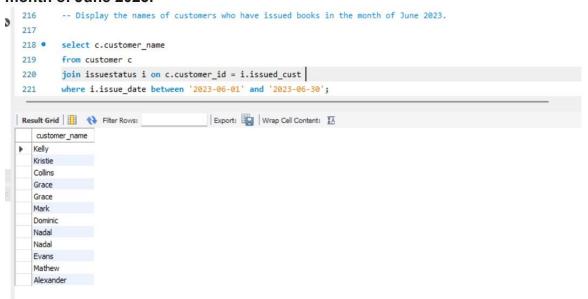
6. List the customer names who registered before 2022-01-01 and have not issued any books yet.



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