LIBRARY MANAGEMENT SYSTEM MYSQL PROJECT

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

SELECT Book_title, Category, Rental_Price FROM Books WHERE Status = 'Yes';

Book_title	Category	Rental_Price
Crime and Punishment	Classic	6.50
The Catcher in the Rye	Fiction	5.00
Moby Dick	Adventure	7.00
Pride and Prejudice	Romance	4.50
The Silent Patient	Thriller	6.00
1984	Dystopian	6.00
The Great Gatsby	Fiction	5.00

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

SELECT Emp_name, Salary FROM employee ORDER BY Salary DESC;

Emp_name	Salary
Ivy Wilson	56000.00
Grace Adams	54000.00
Charlie Brown	52000.00
Eve White	51000.00
Alice Johnson	50000.00
Jack Blue	47000.00
Hank Gray	45000.00
Frank Black	43000.00
Diana Green	42000.00
Bob Smith	40000.00

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

SELECT

B.Book_title,

C.Customer_name

FROM

IssueStatus I

JOIN

Books B ON I.Isbn_book = B.ISBN

JOIN

Customer C ON I.Issued_cust = C.Customer_Id;

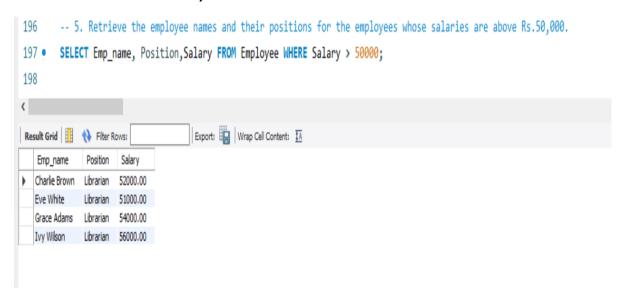
Book_title	Customer_name
The Great Gatsby	John Doe
1984	Jane Smith
To Kill a Mockingbird	Michael Johnson
Pride and Prejudice	Emily Davis
The Catcher in the Rye	David Wilson
The Hobbit	Sarah Miller
Moby Dick	Daniel Taylor
War and Peace	Jessica White
The Silent Patient	William Brown
Crime and Punishment	Sophia Green

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

SELECT Category, COUNT(*) AS Total_Books FROM Books GROUP BY Category;

Category	Total_Books
Classic	1
Fiction	3
Adventure	1
Romance	1
Historical Fiction	1
Fantasy	1
Thriller	1
Dystopian	1

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



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```
SELECT
          C.Customer name, C.Reg date
     FROM
          Customer C
     LEFT JOIN
          IssueStatus I ON C.Customer_Id = I.Issued_cust
     WHERE
          C.Reg date < '2022-01-01'
          AND I.Issue_Id IS NULL;
                                      Export: Wrap Cell Content: TA
ult Grid
          Filter Rows:
Customer name Reg date
Alice Walker
             2021-11-15
John Smith
             2020-06-10
Diana Prince
             2021-09-05
```

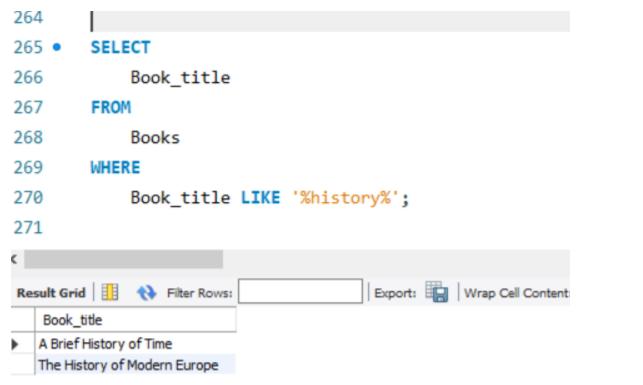
7. Display the branch numbers and the total count of employees in each branch.



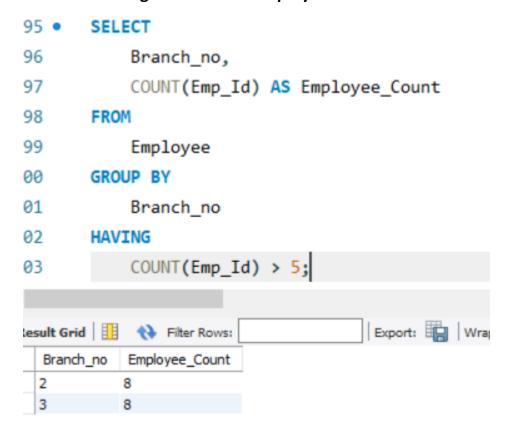
8. Display the names of customers who have issued books in the month of June 2023.

```
247 • select * from books;
248 •
        SELECT
249
            C.Customer_name,I.Issue_date
250
        FROM
251
            Customer C
252
        JOIN
253
            IssueStatus I ON C.Customer_Id = I.Issued_cust
254
        WHERE
255
            I.Issue_date BETWEEN '2023-06-01' AND '2023-06-30';
<
                                     Export: Wrap Cell Content: TA
Result Grid Filter Rows:
   Sophia Johnson
               2023-06-05
   Michael Clark
               2023-06-15
   Emma Davis
               2023-06-20
```

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.

```
306 •
        SELECT
307
             E.Emp_name AS Employee_Name,
308
             E.Position AS Employee Position,
309
             B.Branch address AS Branch Address
310
         FROM
             Employee E
311
312
         JOIN
313
             Branch B ON E.Branch_no = B.Branch_no
314
        WHERE
             E.Position = 'Manager';
315
                                         Export: Wrap Cell Content: IA
Result Grid
             Filter Rows:
   Employee_Name
                 Employee_Position
                                Branch_Address
                                789 Oak St, Suburbia
  Monica Lewis
                 Manager
  George Harris
                                456 Elm St, Uptown
                Manager
```

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

```
318 • SELECT
319
            C.Customer_name, B.Rental_Price AS Rental_Price
320
        FROM
            IssueStatus I
321
322
        JOIN
323
            Books B ON I.Isbn_book = B.ISBN
        JOIN
324
            Customer C ON I.Issued_cust = C.Customer_Id
325
326
        WHERE
            B.Rental_Price > 25;
327
<
                                    Export: Wrap Cell Content: IA
Customer_name Rental_Price
Emma Davis
               180.00
   Sophia Johnson
              150.00
  Michael Clark
               200.00
```