Library Management System

lam 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.

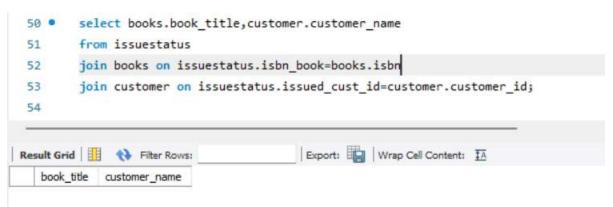
```
1 .
       create database library;
       use library;
 3 • ⊖ create table branch (
 4
       branch_no int primary key,
       manager_id int,
 5
       branch_address varchar(255),
 6
       contact no varchar(20) );
 7
 8
 9
10 • G create table employee (
       emp id int primary key,
11
       emp_name varchar(100),
12
       position varchar(100),
13
       salry decimal(10,2),
14
       branch no int,
15
       foreign key (branch no) references branch(branch no)
16
       );
17
20 • 🔾 create table issuestatus (
       issue id int primary key,
21
       issued_cust_id int,
22
       issued book name varchar(255),
23
       isuue date date,
24
       Isbn book int,
25
       foreign key(issued_cust_id) references customer(customer_id),
26
       foreign key(isbn_book) references books(isbn)
27
28
       );
29
31 • @ create table returnstatus(
32
       retunrn id int primary key,
33
       return cust int,
34
       return_book_name varchar(255),
       return date date,
35
36
       isbn book2 int,
       foreign key(return_cust)references customer(customer_id),
37
       foreign key (isbn_book2) references books(isbn)
38
       );
39
```

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

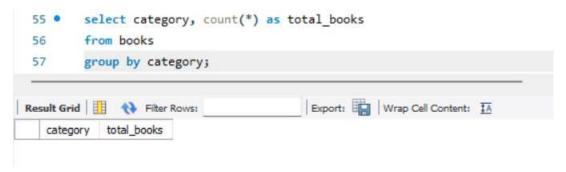
2. List the employee names and their respective salaries in descending order of salary.



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



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



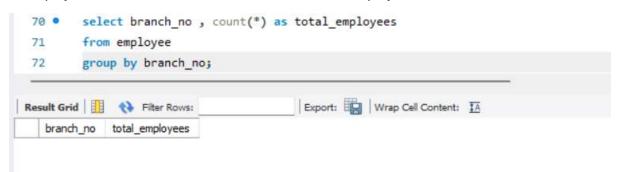
5. Retrieve the employee names and their positions for the employees whose salaries are above Rs.50,000.



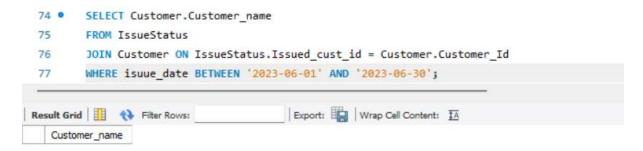
6. List the customer names who registered before 2022-01-01 and have not issued any books yet.

	select customer_name
65	from customer
66	where reg_date < '2022-01-01'
67	and customer_id not in (select issued_cust_id from issuestatus);

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.

```
SELECT Emp_name, Branch.Branch_address

FROM Employee

ON Branch ON Employee.Emp_Id = Branch.Manager_Id;

Planck Grid  Filter Rows:

Export: Wrap Cell Content: A Emp_name Branch_address
```

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