Database named library and following TABLES in the database:

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

1) Branch

 Branch_no Set as PRIMARY KEY Manager_Id Branch_address Contact_no

	Branch_no	Manager_Id	Branch_address	Contact_no
•	1	101	123 Elm St	555-1234
	2	102	456 Maple St	555-5678
	3	103	789 Oak St	555-9012
	4	104	321 Pine St	555-3456
	5	105	654 Birch St	555-7890
	6	106	987 Cedar St	555-2345
	7	107	741 Spruce St	555-6789
	8	108	852 Fir St	555-0123
	9	109	963 Willow St	555-4567
	10	110	159 Poplar St	555-8901
	NULL	NULL	NULL	NULL

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

Emp_Id	Emp_name	Position	Salary	Branch_no
201	Alice Smith	Manager	60000.00	1
202	Bob Johnson	Assistant	40000.00	2
203	Carol Williams	Clerk	30000.00	3
204	David Brown	Manager	65000.00	4
205	Eve Davis	Assistant	42000.00	5
206	Frank Miller	Clerk	31000.00	6
207	Grace Wilson	Manager	62000.00	7
208	Hank Moore	Assistant	41000.00	8
209	Ivy Taylor	Clerk	32000.00	9
210	Jack Anderson	Manager	63000.00	10
HULL	NULL	HULL	HULL	NULL

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

ISBN	Book_title	Category	Rental_Price	Status	Author	Publisher
978-0-06-112008-4	Book Seven	Biography	13.00	yes	Author G	Publisher D
978-0-307-29136-7	Book Nine	Historical	7.00	yes	Author I	Publisher F
978-0-345-39180-3	Book Six	Fantasy	11.00	yes	Author F	Publisher C
978-0-399-16243-8	Book Ten	Horror	10.00	yes	Author J	Publisher G
978-0-452-28423-4	Book Five	Sci-Fi	9.00	no	Author E	Publisher B
978-0-7432-7356-0	Book Three	Mystery	15.00	no	Author C	Publisher Z
978-1-250-30578-9	Book Eight	Thriller	14.00	no	Author H	Publisher E
978-1-4028-9462-6	Book Four	Romance	8.00	yes	Author D	Publisher A
978-1-86197-876-9	Book Two	Non-Fiction	12.00	yes	Author B	Publisher Y
978-3-16-148410-0	Book One	Fiction	10.00	yes	Author A	Publisher X
NULL	NULL	NULL	NULL	NULL	NULL	NULL

4) Customer

 Customer_Id, Set as PRIMARY KEY Customer_name Customer_address Reg_date

Customer_Id	Customer_name	Customer_address	Reg_date
301	Michael Scott	100 Paper St	2023-01-01
302	Pam Beesly	200 Art St	2023-02-01
303	Jim Halpert	300 Sales St	2023-03-01
304	Dwight Schrute	400 Beet St	2023-04-01
305	Angela Martin	500 Cat St	2023-05-01
306	Kevin Malone	600 Accounting St	2023-06-01
307	Oscar Martinez	700 Finance St	2023-07-01
308	Ryan Howard	800 Temp St	2023-08-01
309	Kelly Kapoor	900 Customer Service St	2023-09-01
310	Stanley Hudson	1000 Sales St	2023-10-01
HULL	NULL	HULL	NULL

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

Issue_Id	Issued_cust	Issued_book_name	Issue_date	Isbn_book
401	301	Book One	2023-01-05	978-3-16-148410-0
402	302	Book Two	2023-02-10	978-1-86197-876-9
403	303	Book Three	2023-03-15	978-0-7432-7356-0
404	304	Book Four	2023-04-20	978-1-4028-9462-6
405	305	Book Five	2023-05-25	978-0-452-28423-4
406	306	Book Six	2023-06-30	978-0-345-39180-3
407	307	Book Seven	2023-07-05	978-0-06-112008-4
408	308	Book Eight	2023-08-10	978-1-250-30578-9
409	309	Book Nine	2023-09-15	978-0-307-29136-7
410	310	Book Ten	2023-10-20	978-0-399-16243-8
NULL	NULL	NULL	NULL	NULL

6) ReturnStatus

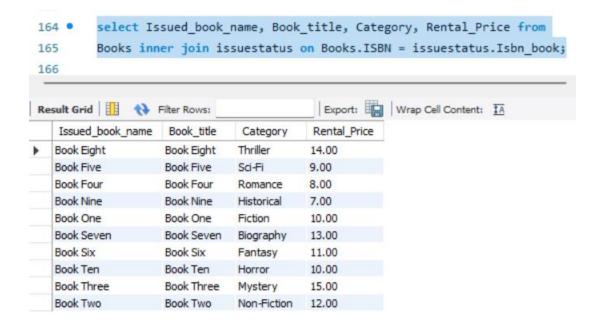
 Return_Id , Set as PRIMARY KEY Return_cust Return_book_name Return_date

Isbn_book2, Set as FOREIGN KEY and it should refer isbn in BOOKS table

Return_Id	Return_cust	Return_book_name	Return_date	Isbn_book2
501	301	Book One	2023-01-20	978-3-16-148410-0
502	302	Book Two	2023-02-25	978-1-86197-876-9
503	303	Book Three	2023-03-30	978-0-7432-7356-0
504	304	Book Four	2023-04-30	978-1-4028-9462-6
505	305	Book Five	2023-05-30	978-0-452-28423-4
506	306	Book Six	2023-06-30	978-0-345-39180-3
507	307	Book Seven	2023-07-30	978-0-06-112008-4
508	308	Book Eight	2023-08-30	978-1-250-30578-9
509	309	Book Nine	2023-09-30	978-0-307-29136-7
510	310	Book Ten	2023-10-30	978-0-399-16243-8
NULL	NULL	NULL	NULL	NULL

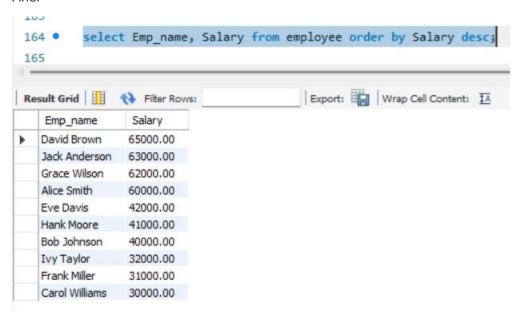
Display all the tables and Write the queries for the following:

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

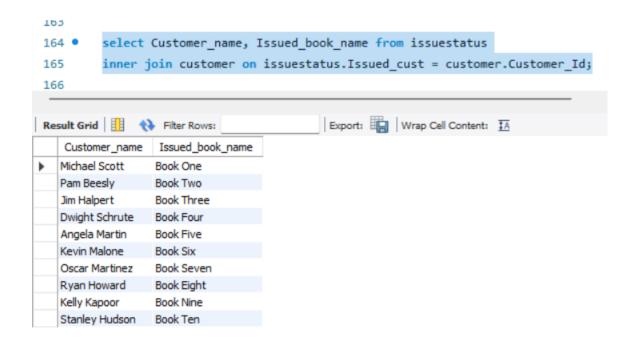


2. List the employee names and their respective salaries in descending order of salary.

Ans:

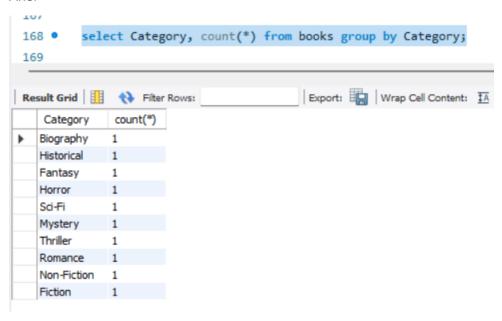


3. Retrieve the book titles and the corresponding customers who have issued those books.

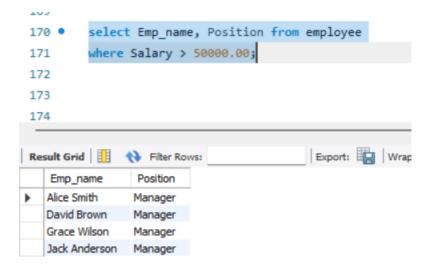


4. Display the total count of books in each category.

Ans:

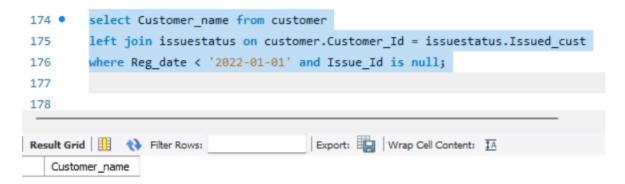


5. Retrieve the employee names and their positions for the employees whose salaries are above Rs.50,000.

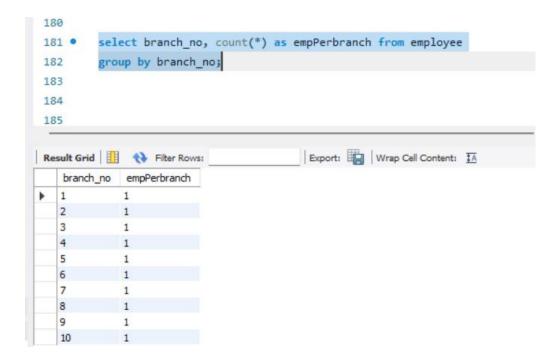


6. List the customer names who registered before 2022-01-01 and have not issued any books vet.

Ans:



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.

Ans:

```
select Customer_name, Issue_date from customer

left join issuestatus on customer.Customer_Id = issuestatus.Issued_cust

where Reg_date between '2023-06-01' and '2023-06-30';

Result Grid Filter Rows:

Customer_name Issue_date

Kevin Malone 2023-06-30
```

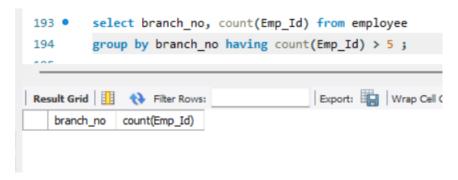
9. Retrieve book_title from book table containing history.

Ans:



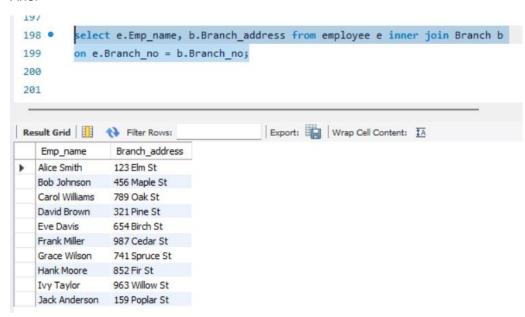
10.Retrieve the branch numbers along with the count of employees for branches having more than 5 employees

Ans:



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

Ans:



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