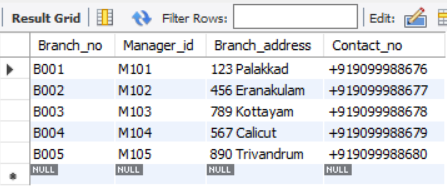
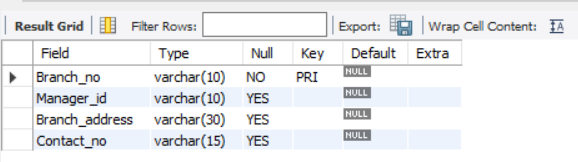
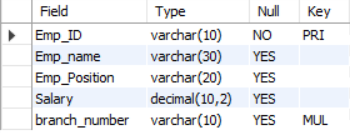
**Table 1. Branch**

Branch\_no - Set as PRIMARY KEY Manager\_Id Branch\_address Contact\_no



**Table 2. Employee**

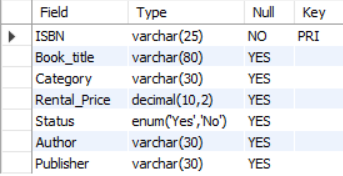
Emp\_Id – Set as PRIMARY KEY Emp\_name Position Salary Branch\_no - Set as FOREIGN KEY and it refer Branch\_no in Branch





**Table 3. Books**

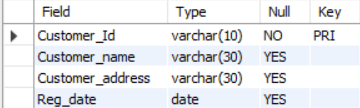
ISBN - Set as PRIMARY KEY Book\_title Category Rental\_Price Status [Give yes if book available and no if book not available] Author Publisher

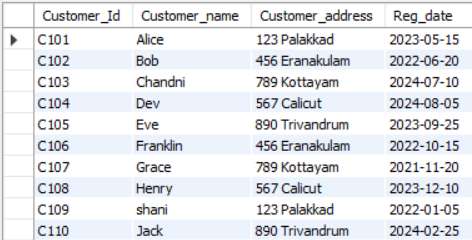




**Table 4. Customer**

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

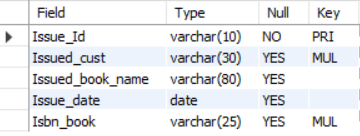


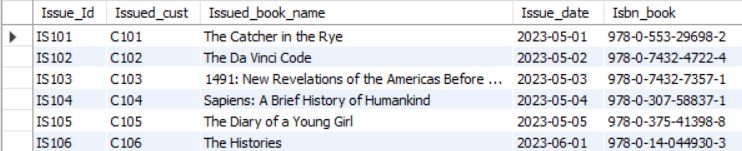


**Table 5. IssueStatus**

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 –

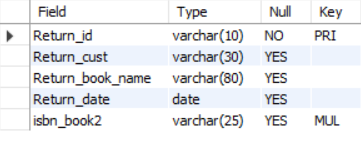
Set as FOREIGN KEY and it should refer isbn in BOOKS table

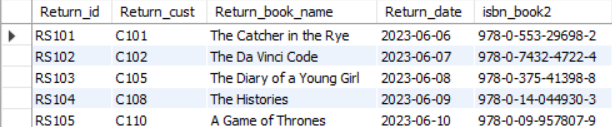




**Table 6. ReturnStatus**

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





**Queries**

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

SELECT book\_title, category, rental\_price FROM books

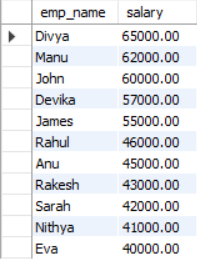
WHERE Status = 'Yes';



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

SELECT emp\_name, salary FROM employee

ORDER BY Salary DESC;



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

SELECT

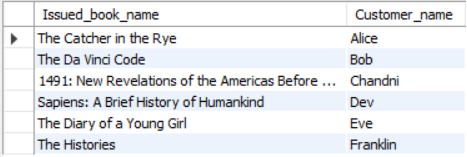
issuestatus.Issued\_book\_name, customer.Customer\_name

FROM

issuestatus

INNER JOIN

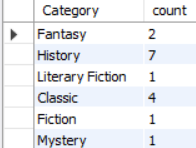
customer ON issuestatus.Issued\_cust = customer.Customer\_Id;



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

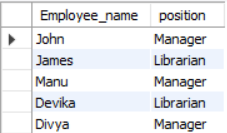
SELECT Category, COUNT(Book\_title) as count FROM books

GROUP BY Category;



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

SELECT Emp\_name as Employee\_name, emp\_position as position from employee where salary>50000;



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

SELECT customer\_name FROM customer

WHERE Reg\_date < '2022-01-01' AND Customer\_Id NOT IN

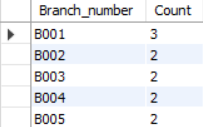
(SELECT issued\_cust FROM issuestatus);

C:\Users\User\Desktop\6.png

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

SELECT Branch\_number, COUNT(emp\_id) as Count

FROM employee GROUP BY branch\_number;



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

SELECT customer.Customer\_name as Customer\_Name FROM customer

INNER JOIN issuestatus ON

customer.Customer\_Id = issuestatus.Issued\_cust

WHERE issuestatus.Issue\_date >= '2023-06-01'

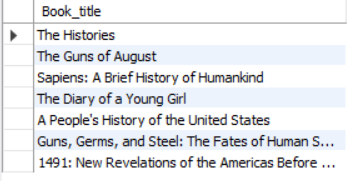
AND issuestatus.Issue\_date <= '2023-06-30';

C:\Users\User\Desktop\8.png

1. Retrieve book\_title from book table containing history.

SELECT Book\_title FROM books

WHERE Category = 'history';



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

SELECT branch\_number, COUNT(emp\_id) as count

FROM employee

GROUP BY branch\_number

HAVING COUNT(Emp\_id) > 5;

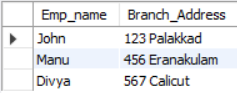
C:\Users\User\Desktop\10.png

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

Select E.Emp\_name , b.Branch\_Address from employee E

inner join branch b

on e.branch\_number = b.branch\_no and emp\_position = 'Manager';



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

Select C.Customer\_Name from customer c

join issuestatus i

on c.Customer\_id = I.issued\_cust

join books b on I.isbn\_book= b.isbn and rental\_price>25;

