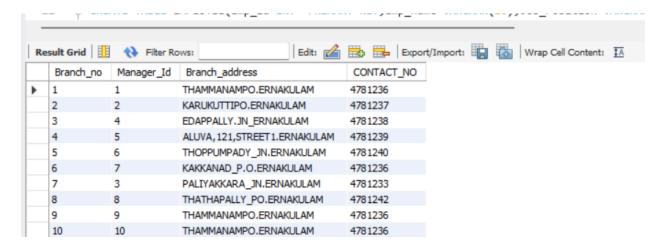
Create a database named library and create following TABLES in the database:

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

Attributes for the tables:

- 1. Branch
- ·Branch no Set as PRIMARY KEY
- ·Manager Id
- ·Branch address
- ·Contact no

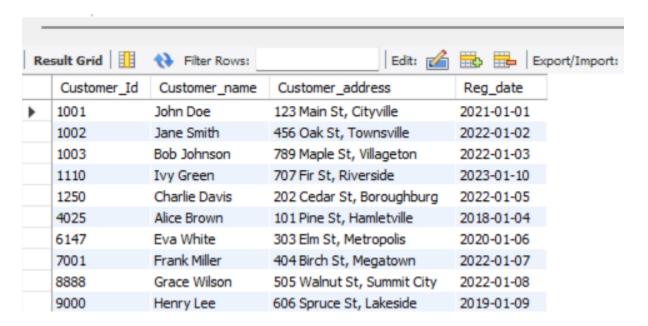


- 2. Employee
- ·Emp_Id Set as PRIMARY KEY
- ·Emp_name
- ·Position
- ·Salary
- ·Branch_no Set as FOREIGN KEY and it should refer branch_no in EMPLOYEE table



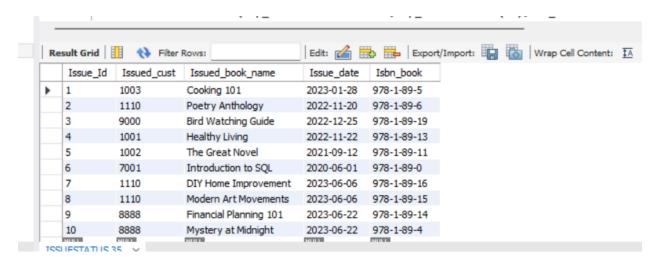
3. Customer

- ·Customer Id Set as PRIMARY KEY
- ·Customer name
- ·Customer_address
- ·Reg_date



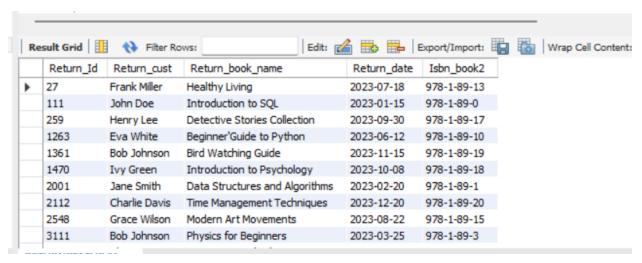
4. IssueStatus

- ·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



5. 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

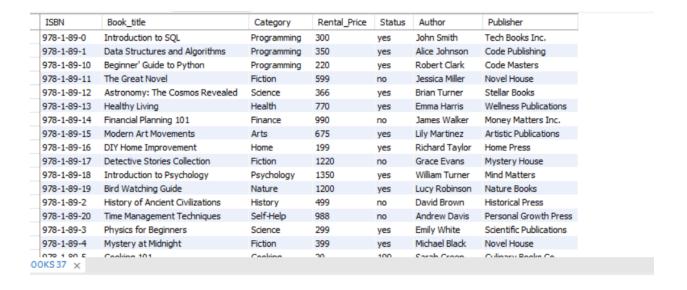


6. Books

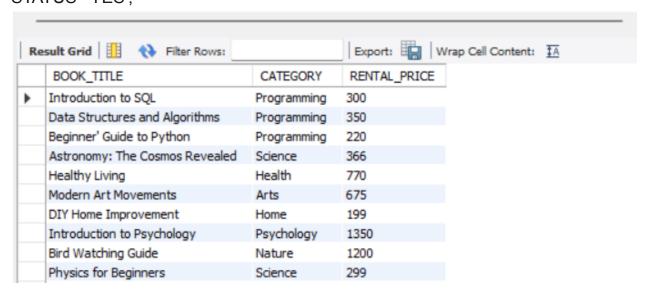
- ·ISBN Set as PRIMARY KEY
- ·Book title
- ·Category
- ·Rental Price
- ·Status [Give yes if book available and no if book not available] ·

Author

·Publisher

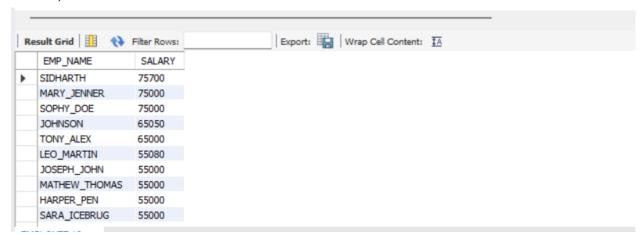


1.Retrieve the book title, category, and rental price of all available books. SELECT BOOK_TITLE,CATEGORY,RENTAL_PRICE FROM BOOKS WHERE STATUS='YES':



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

SELECT EMP_NAME, SALARY FROM EMPLOYEE ORDER BY SALARY DESC;

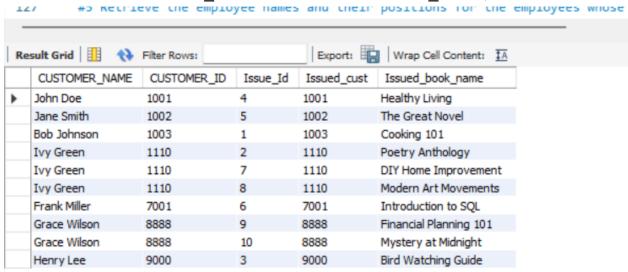


#3. Retrieve the book titles and the corresponding customers who have issued those books.

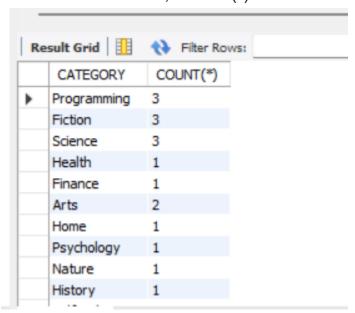
SELECT

CUSTOMER.CUSTOMER_NAME,CUSTOMER.CUSTOMER_ID,IssueStatus.Issue_Id,ISSUESTATUS.Issued_cust,ISSUESTATUS.Issued_book_name

FROM CUSTOMER INNER JOIN ISSUESTATUS ON CUSTOMER.CUSTOMER ID=ISSUESTATUS.ISSUED CUST;

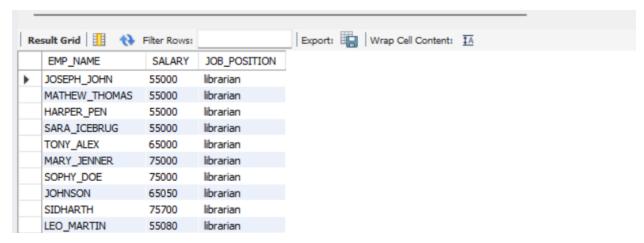


#4. Display the total count of books in each category.
SELECT CATEGORY, COUNT(*) FROM BOOKS GROUP BY CATEGORY;



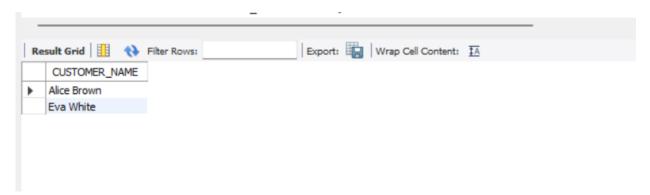
#5 Retrieve the employee names and their positions for the employees whose salaries are above Rs.50,000.

SELECT EMP_NAME,JOB_POSITION FROM EMPLOYEE WHERE SALARY>50000;

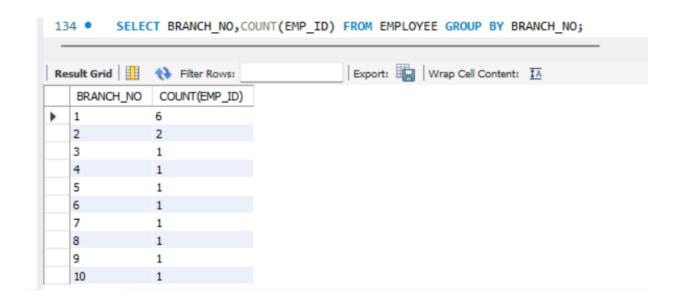


#6. List the customer names who registered before 2022-01-01 and have not issued any books yet.

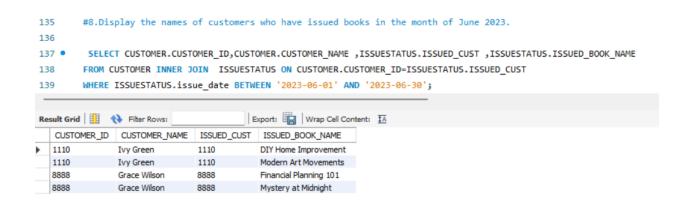
SELECT CUSTOMER_NAME FROM CUSTOMER LEFT JOIN issueStatus ON issued_cust = customer.customer_id WHERE reg_date < '2022-01-01' AND issueStatus.ISSUED_CUST IS NULL;



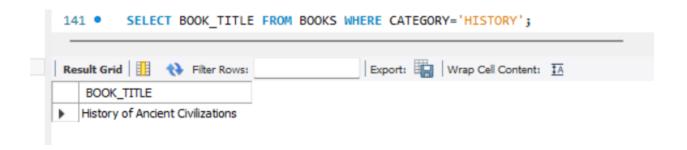
#7. Display the branch numbers and the total count of employees in each branch. SELECT BRANCH_NO,COUNT(EMP_ID) FROM EMPLOYEE GROUP BY BRANCH_NO;



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. SELECT BOOK_TITLE FROM BOOKS WHERE CATEGORY='HISTORY';



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

SELECT BRANCH_NO,COUNT(EMP_ID) FROM EMPLOYEE GROUP BY BRANCH_NO HAVING COUNT(EMP_ID)>=5;

