

Query 1 ×

Filter objects

Administration Schemas

No object selected



```

134 );
135 • INSERT INTO Return_Status(Return_id,Return_cust,Return_book_name,Return_date,ISBN_book_2)VALUES
136 (501,301,'Pride and Prejudice','2023-06-06',978-0-14-143951-8),
137 (502,305,'The Kite Runner','2023-06-07',978-0-06-112241-5),
138 (503,303,'Dune','2023-08-07',978-0-345-39180-3),
139 (504,306,'Animal Farm','2024-05-01',978-0-330-25864-8),
140 (507,309,'The Histories','2024-05-07',978-0-14-044930-3);
141 • select * from Return_Status;
142 ##1.Retrieve the book title,category and rental price
143 • SELECT Book_title, Category, Rental_price
144 FROM Books
145 WHERE Status = 'yes';
146
147

```

Result Grid Filter Rows: Export: Wrap Cell Content:

| | Book_title | Category | Rental_price |
|---|---|------------------|--------------|
| ▶ | A Game of Thrones | Fantasy | 27.50 |
| | Charlotte's Web | Children | 34.00 |
| | The Guns of August | History | 17.00 |
| | Pride and Prejudice | Classic | 25.00 |
| | One Hundred Years of Solitude | Literary Fiction | 16.50 |
| | The Kite Runner | Fiction | 15.50 |
| | To Kill a Mockingbird | Classic | 28.00 |
| | Guns, Germs, and Steel: The Fates of Human S... | History | 17.00 |
| | The Road | Dystopian | 17.00 |
| | Beloved | Fiction | 26.50 |

Books 8 x

 Read Only

Query 1 ×

Filter objects

Administration Schemas

Information

No object selected

```

138      (503,303,'Dune','2023-08-07',978-0-345-39180-3),
139      (504,306,'Animal Farm','2024-05-01',978-0-330-25864-8),
140      (507,309,'The Histories','2024-05-07',978-0-14-044930-3);
141 • select * from Return_Status;
142 ###1.Retrieve the book title,category and rental price
143 • SELECT Book_title, Category, Rental_price
144 FROM Books
145 WHERE Status = 'yes';
146 ###2.List the employee names and their respective salaries in descending order of salary
147 • SELECT Emp_name, Salary
148 FROM Employee
149 ORDER BY Salary DESC;
150
151


```

Result Grid Filter Rows: Export: Wrap Cell Content:

| | Emp_name | Salary |
|---|------------------|----------|
| ▶ | Michael Thompson | 62000.00 |
| | John Doe | 60000.00 |
| | Daniel Anderson | 57000.00 |
| | Mike Johnson | 55000.00 |
| | Jessica Taylor | 46000.00 |
| | Jane Smith | 45000.00 |
| | Michelle Ramirez | 43000.00 |
| | Sarah Brown | 42000.00 |
| | Laura Martinez | 41000.00 |
| | Emily Davis | 40000.00 |

Object Info

Employee 9 ✕

 Read Only

Query 1 ×

Filter objects

Administration Schemas

Information

No object selected

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

```
153 • SELECT Books.Book title, Customer 1.Customer name
```

154 FROM Issue Status

```
155 JOIN Books ON Issue Status.ISBN book = Books.ISBN
```

```
156 JOIN Customer_1 ON Issue_Status.Issued_cust = Customer_1.Customer_id;
```

157

```
158     ###4. Display the total count of books in each category
```

```
159 • SELECT Category, COUNT(*) AS Total Books
```

160 FROM Books

```
161 GROUP BY Category;
```

162

163

164

165

1

Result Grid Filter Rows: Export: Wrap Cell Content:

| | Category | Total_Books |
|---|------------------|-------------|
| ▶ | Fantasy | 2 |
| | Children | 2 |
| | History | 7 |
| | Classic | 8 |
| | Literary Fiction | 1 |
| | Fiction | 3 |
| | Dystopian | 4 |
| | Science Fiction | 1 |
| | Horror | 2 |
| | Mystery | 1 |

Object Info

Result 11

 Read Only

Query 1 ×

Filter objects

- ▶ employee
- ▶ issue_status
- ▶ return_status
- Views
- Stored Procedures
- Functions
- ▶ product

Administration Schemas

Information :.....

No object selected

```
156 JOIN Customer_1 ON Issue_Status.Issued_cust = Customer_1.Customer_id;
```

157

```
158     ###4. Display the total count of books in each category
```

```
159 • SELECT Category, COUNT(*) AS Total_Books
```

160 FROM Books

```
161 GROUP BY Category;
```

162

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

```
164 • SELECT Emp_name, Position
```

```
165 FROM Employee
```

```
166 WHERE Salary > 50000.00;
```

167

168


169

Result Grid Filter Rows: Export: Wrap Cell Content:

| | Emp_name | Position |
|---|------------------|-----------|
| ▶ | John Doe | Clerk |
| | Mike Johnson | Librarian |
| | Michael Thompson | Clerk |
| | Daniel Anderson | Manager |

Object Info

Employee 12 x

 Read Only


```

168 ###6.List the customer names who registered before 2022-01-01 and have not issued any books yet
169 • SELECT Customer_1.Customer_name
170 FROM Customer_1
171 LEFT JOIN Issue_Status ON Customer_1.Customer_id = Issue_Status.Issued_cust
172 WHERE Customer_1.Reg_date < '2022-01-01' AND Issue_Status.Issue_id IS NULL;
173
174 ###7.Display the branch numbers and the total count of employees in each branch
175 • SELECT Branch_no, COUNT(Emp_id) AS Total_Employees
176 FROM Employee
177 GROUP BY Branch_no;
178
179
180
181

```

Result Grid Filter Rows: Export: Wrap Cell Content:

| | Branch_no | Total_Employees |
|---|-----------|-----------------|
| ▶ | 101 | 5 |
| | 102 | 1 |
| | 103 | 1 |
| | 104 | 1 |
| | 105 | 2 |

MySQL Workbench

Local instance MySQL80

FileEditViewQueryDatabaseServerToolsScriptingHelp

Navigator

SCHEMAS

Filter objects

employee

issue_status

return_status

Views

Stored Procedures

Functions

product

AdministrationSchemas

Information

No object selected

Query 1

Limit to 300 rows

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

175•SELECT Branch_no, COUNT(Emp_id) AS Total_Employees

176FROM Employee

177GROUP BY Branch_no;

178

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

180•SELECT Customer_1.Customer_name

181FROM Issue_Status

182JOIN Customer_1 ON Issue_Status.Issued_cust = Customer_1.Customer_id

183WHERE MONTH(Issue_date) = 6 AND YEAR(Issue_date) = 2023;

184

185

186

187

Result Grid

Filter Rows:

Export:

Wrap Cell Content:

Customer_name

Object Info

Session

Result 15

Read Only

23:50

08-12-2024








```
187 FROM Issue_Status
188 JOIN Books ON Issue_Status.ISBN_book = Books.ISBN;
189
190 ###10.Retrieve the branch numbers along with the count of employees for branches having more than 5 employees
191 • SELECT Branch_no, COUNT(Emp_id) AS Employee_Count
192 FROM Employee
193 GROUP BY Branch_no
194 HAVING COUNT(Emp_id) > 2;
195
196
197
198
199
200
```

Result Grid Filter Rows: Export: Wrap Cell Content:

| | Branch_no | Employee_Count |
|---|-----------|----------------|
| ▶ | 101 | 5 |

Query 1 ×

Filter objects

- ▶  books
- ▶  branch
- ▶  customer_1
- ▶  employee
- ▶  issue_status
- ▶  return_status

Administration Schemas

Information :.....

No object selected



```

193     GROUP BY Branch_no
194     HAVING COUNT(Emp_id) > 2;
195
196     ###11.Retrieve the names of employees who manage branches and their respective branch addresses
197 • SELECT E.Emp_name, B.Branch_address
198     FROM Employee E
199     JOIN Branch B ON E.Emp_id = B.Manager_id;
200
201     ###12.Display the names of customers who have issued books with a rental price higher than Rs. 25
202 • SELECT DISTINCT C.Customer_name
203     FROM Customer_1 C
204     JOIN Issue_Status I ON C.Customer_id = I.Issued_cust
205     JOIN Books B ON I.ISBN_book = B.ISBN
206     WHERE B.Rental price > 25;

```

Result Grid Filter Rows: Export: Wrap Cell Content:

| | |
|---|----------------|
| | Customer_name |
| ▶ | Grace Taylor |
| | Henry Anderson |

Object Info

Result 20

 Read Only

No object selected

```

36 (210,'Laura Martinez','Manager',41000.00,105);
37 • select * from Employee;
38 ##Table Books
39 • CREATE TABLE Books (
40     ISBN INT PRIMARY KEY,
41     Book_title VARCHAR(255),
42     Category VARCHAR(255),
43     Rental_price DECIMAL(10, 2),
44     Status VARCHAR(10) CHECK (Status IN ('yes', 'no')),
45     Author VARCHAR(255),
46     Publisher VARCHAR(255)
47 );
48 • INSERT INTO Books (ISBN,Book_title,Category,Rental_price,Status,Author,Publisher) VALUES
49 (978-0-553-29698-2, 'The Catcher in the Rye', 'Classic', 17.00, 'yes', 'J.D. Salinger', 'Little, Brown and Company'),
50 (978-0-330-25864-8, 'Animal Farm', 'Classic', 15.50, 'yes', 'George Orwell', 'Penguin Books'),

```

Result Grid Filter Rows:  Edit:   Export/Import:   Wrap Cell Content: 

| | ISBN | Book_title | Category | Rental_price | Status | Author | Publisher |
|---|---------|---|------------------|--------------|--------|------------------------|-------------------------|
| ▶ | -956847 | A Game of Thrones | Fantasy | 27.50 | yes | George R.R. Martin | Bantam |
| | -439091 | Charlotte's Web | Children | 34.00 | yes | E.B. White | Harper & Row |
| | -279593 | The Guns of August | History | 17.00 | yes | Barbara W. Tuchman | Oxford University Press |
| | -142995 | Pride and Prejudice | Classic | 25.00 | yes | Jane Austen | Penguin Classics |
| | -117813 | One Hundred Years of Solitude | Literary Fiction | 16.50 | yes | Gabriel Garcia Marquez | Penguin Books |
| | -111274 | The Kite Runner | Fiction | 15.50 | yes | Khaled Hosseini | Riverhead Books |
| | -111040 | To Kill a Mockingbird | Classic | 28.00 | yes | Harper Lee | J.B. Lippincott & Co. |
| | -90680 | Guns, Germs, and Steel: The Fates of Human S... | History | 17.00 | yes | Jared Diamond | W. W. Norton & Company |
| | -80998 | The Road | Dystopian | 17.00 | yes | Cormac McCarthy | Knopf |
| | -77348 | Beloved | Fiction | 26.50 | yes | Toni Morrison | Knopf |

Object Info

Books 7

Apply

Revert

MySQL Workbench

Local instance MySQL80

FileEditViewQueryDatabaseServerToolsScriptingHelp

SQL

SQL

Limit to 300 rows

Navigator

SCHEMAS

Filter objects

entri_d42

library

Tables

Views

Stored Procedures

Functions

product

AdministrationSchemas

Information

No object selected

3-Library Management System*

SQL File 10*

4

CREATE TABLE Branch (

5

Branch_no INT PRIMARY KEY,

6

Manager_id VARCHAR(50),

7

Branch_address VARCHAR(255),

8

Contact_no INT

9

);

10

INSERT INTO Branch (Branch_no,Manager_id,Branch_address,Contact_no) VALUES

11

(101,'E109','123MainSt',2099988676),

12

(102,'E109','456ElmSt',2099988677),

13

(103,'E109','789OakSt',2099988678),

14

(104,'E110','567PineSt',2099988679),

15

(105,'E110','890MapleSt',2099988680);

16

select * from Branch;

Result Grid

Filter Rows:

Edit:

Export/Import:

Wrap Cell Content:

| | Branch_no | Manager_id | Branch_address | Contact_no |
|---|-----------|------------|----------------|------------|
| ▶ | 101 | E109 | 123MainSt | 2099988676 |
| | 102 | E109 | 456ElmSt | 2099988677 |
| | 103 | E109 | 789OakSt | 2099988678 |
| | 104 | E110 | 567PineSt | 2099988679 |
| | 105 | E110 | 890MapleSt | 2099988680 |
| * | NULL | NULL | NULL | NULL |

Object Info

Session

Branch 5

Apply

Revert

Result Grid

Form Editor

Field Types

Query Completed

Filter objects

▼ library

Views

Functions

Administration Schemas

Information ::::::::::::::::::::::::::::::::::

No object selected

Answer: C

1

[illegible]

| | Emp_id | Emp_name | Position | Salary | Branch_no |
|---|--------|------------------|-----------|----------|-----------|
| ▶ | 201 | John Doe | Clerk | 60000.00 | 101 |
| | 202 | Jane Smith | Clerk | 45000.00 | 102 |
| | 203 | Mike Johnson | Librarian | 55000.00 | 101 |
| | 204 | Emily Davis | Assistan | 40000.00 | 101 |
| | 205 | Sarah Brown | Assistant | 42000.00 | 101 |
| | 206 | Michelle Ramirez | Assistant | 43000.00 | 101 |
| | 207 | Michael Thompson | Clerk | 62000.00 | 105 |
| | 208 | Jessica Taylor | Clerk | 46000.00 | 104 |
| | 209 | Daniel Anderson | Manager | 57000.00 | 103 |
| | 210 | Laura Martinez | Manager | 41000.00 | 105 |

