

MySQL Workbench

Local instance MySQL80 x

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

Filter objects

entry\_d41

library

Tables

Views

Stored Procedures

Functions

online\_employees

product

sales

school

Administration Schemas

Information

Schema: library

joins built in functions user defined functions joins sub queries views stored procedures triggers sp DCL Module End Project\_MySQL- Li...

Don't Limit

```
106
107 -- Write the queries for the following :
108 # 1. Retrieve the book title, category, and rental price of all available books.
109 • SELECT Book_title, Category, Rental_Price FROM Books WHERE Status = 'yes';
110
111 # 2. List the employee names and their respective salaries in descending order of salary.
112 • SELECT Emp_name, salary FROM employee ORDER BY salary DESC;
113
```

Result Grid

Book_title	Category	Rental_Price
History 1984	Dystopian	5.50
A Song of Ice and Fire	Fantasy	10.00
Educated	Memor	7.50
The Da Vind Code	Thriller	7.99
To Kill a Mockingbird	Classic	4.99
The Alchemist	Fiction	5.99

Books 1 x

Read Only

Output

Action Output

#	Time	Action	Message	Duration / Fetch
1	23:01:16	SELECT Book_title, Category, Rental_Price FROM Books WHERE Status = 'yes'	Error Code: 1046. No database selected Select the default DB to be used by double-clicking it...	0.000 sec
2	23:01:24	SELECT Book_title, Category, Rental_Price FROM Books WHERE Status = 'yes'	6 row(s) returned	0.016 sec / 0.000 sec

Session

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107 -- Write the queries for the following :
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110
111 # 2. List the employee names and their respective salaries in descending order of salary.
112 • SELECT Emp_name, salary FROM employee ORDER BY salary DESC;
113
```

Result Grid

Emp_name	salary
Sarath madhav	85000
Ajay cr	80000
John samuel	75000
Alice Johnson	60000
James Jacob	55000
Robert Brown	45000
Anju kurian	45000
Arjun ashok	42000
jasim ali	40000
Aliana thomas	38000

employee 2 x

Output

Action Output

#	Time	Action	Message	Duration / Fetch
✓ 2	23:01:24	SELECT Book_title, Category, Rental_Price FROM Books WHERE Status = 'yes'	6 row(s) returned	0.016 sec / 0.000 sec
✓ 3	23:01:43	SELECT Emp_name, salary FROM employee ORDER BY salary DESC	10 row(s) returned	0.000 sec / 0.000 sec

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Module End Project\_MySQL- Li...

```
112 • SELECT Emp_name, salary FROM employee ORDER BY salary DESC;
113
114 # 3. Retrieve the book titles and the corresponding customers who have issued those books.
115 • SELECT b.Book_title,c.Customer_name FROM books b
116 JOIN issue_status i on b.Isbn=i.Isbn_book join customer c on i.Issue_id=c.Customer_Id;
117
118 # 4. Display the total count of books in each category.
119 • SELECT Category, COUNT(*) AS Total_Books FROM books GROUP BY Category;
```

Result Grid

Book_title	Customer_name
History 1984	Olivia Scott
The Shining	vishnu raj
A Song of Ice and Fire	Elizabeth kurian
Educated	Arjun das
Inferno	Henry yousuf
Angels & Demons	Sophia paul
The Da Vinci Code	Grace antony
Becoming	Lucas Green
To Kill a Mockingbird	Benjamin jose
The Alchemist	Andrew joseph

Result 3 x

Read Only

Output

Action Output

#	Time	Action	Message	Duration / Fetch
3	23:01:43	SELECT Emp_name, salary FROM employee ORDER BY salary DESC	10 row(s) returned	0.000 sec / 0.000 sec
4	23:01:56	SELECT b.Book_title,c.Customer_name FROM books b JOIN issue_status i on b.Isbn=i.Is...	10 row(s) returned	0.015 sec / 0.000 sec

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joins builtin functions user defined functions joins sub queries views stored procedures triggers sp DCL Module End Project\_MySQL- Li...

Don't Limit

```
115 • SELECT b.Book_title,c.Customer_name FROM books b
116 JOIN issue_status i on b.Isbn=i.Isbn_book join customer c on i.issue_id=c.Customer_Id;
117
118 # 4. Display the total count of books in each category.
119 • SELECT Category, COUNT(*) AS Total_Books FROM books GROUP BY Category;
120
121 # 5. Retrieve the employee names and their positions for the employees whose salaries are above Rs.50,000.
122 • select Emp_name,Position from employee where salary>50000;
```

Result Grid

Category	Total_Books
Dystopian	1
Horror	1
Fantasy	1
Memoir	1
Thriller	3
Biography	1
Classic	1
Fiction	1

Result 4 x

Read Only

Output

Action Output

#	Time	Action	Message	Duration / Fetch
✓ 4	23:01:56	SELECT b Book_title,c Customer_name FROM books b JOIN issue_status i on b.Isbn=i.Is...	10 row(s) returned	0.015 sec / 0.000 sec
✓ 5	23:02:09	SELECT Category, COUNT(*) AS Total_Books FROM books GROUP BY Category	8 row(s) returned	0.015 sec / 0.000 sec

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

119 • SELECT Category, COUNT(\*) AS Total\_Books FROM books GROUP BY Category;

120

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

122 • select Emp\_name,Position from employee where salary>50000;

123

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

125 • select Customer\_namefrom customer where Reg\_date<='2022-01-01' and Customer\_Id not in (select Issued\_cust from issue\_status);

Result Grid

Filter Rows

Exports

Wrap Cell Contents

Emp_name	Position
John samuel	Branch Manager
Alice Johnson	Assistant Manager
Ajay cr	Branch Manager
Sarath madhav	Branch Manager
James jacob	Accountant

employee 5

Read Only

Output

Action Output

#	Time	Action	Message	Duration / Fetch
✓ 5	23.02.09	SELECT Category, COUNT(*) AS Total_Books FROM books GROUP BY Category	8 row(s) returned	0.015 sec / 0.000 sec
✓ 6	23.02.23	select Emp_name,Position from employee where salary>50000	5 row(s) returned	0.016 sec / 0.000 sec

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SCHEMAS

Filter objects

- employee
- issue\_status
  - Columns
    - Issue\_Id
    - Issued\_cust
    - Issued\_book
    - Issue\_date
    - Isbn\_book
  - Indexes

Administration Schemas

Information

Schema: library

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

122 • select Emp\_name,Position from employee where salary>50000;

123

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

125 • select Customer\_name from customer where Reg\_date>='2022-01-01' and Customer\_Id not in (select Issued\_cust from issue\_status);

126

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

128 • SELECT Branch\_no, COUNT(Emp\_Id) AS Total\_Employees FROM Employee GROUP BY Branch\_no;

Result Grid

Filter Rows: Export: Wrap Cell Contents

Customer\_name

customer7 x

Read Only

Output

Action Output

#	Time	Action	Message	Duration / Fetch
11	23:05:09	SELECT C.Customer_name FROM Customer C LEFT JOIN Issue_Status I ON C.Customer_...	Error Code: 1054. Unknown column 'I.Issued_cust' in 'where clause'	0.000 sec
12	23:07:45	select Customer_name from customer where Reg_date>='2022-01-01' and Customer_Id not...	0 row(s) returned	0.000 sec / 0.000 sec

Object Info Session



Local instance MySQL30 x

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Navigator

SCHMAS

Filter objects

- employee
- issue\_status
  - Columns
    - Issue\_Id
    - Issued\_cust
    - Issued\_book
    - Issue\_date
    - Isbn\_book
  - Indexes

Administration Schemas

Information

Schema: library

joins built in functions user defined functions joins sub queries views stored procedures triggers sp DCL Module End Project\_MySQL- U...

Don't Limit

```
124 # 6. List the customer names who registered before 2022-01-01 and have not issued any books yet.
125 • select Customer_name from customer where Reg_date>='2022-01-01' and Customer_Id not in (select Issued_cust from issue_status);
126
127 # 7. Display the branch numbers and the total count of employees in each branch.
128 • SELECT Branch_no, COUNT(Emp_Id) AS Total_Employees FROM Employee GROUP BY Branch_no;
129
130 # 8. Display the names of customers who have issued books in the month of June 2023.
131 • select c.customer_name from customer c join issue_status i on c.customer_id=i.issued_cust
```

Result Grid

Branch_no	Total_Employees
1	6
2	1
3	1
4	1
5	1

Result 8 x

Read Only

Output

Action Output

#	Time	Action	Message	Duration / Fetch
✓ 12	23:07:45	select Customer_name from customer where Reg_date>='2022-01-01' and Customer_Id not...	0 row(s) returned	0.000 sec / 0.000 sec
✓ 13	23:08:02	SELECT Branch_no, COUNT(Emp_Id) AS Total_Employees FROM Employee GROUP BY ...	5 row(s) returned	0.016 sec / 0.000 sec

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Navigator

SCHEMAS

Filter objects

- employee
- issue\_status
  - Columns
    - Issue\_id
    - Issued\_cust
    - Issued\_book
    - Issue\_date
    - Isbn\_book
- Indexes

Administration Schemas

Information

Schema: library

joins built in functions user defined functions joins sub queries views stored procedures triggers sp DCL Module End Project\_MySQL- Li...

127 # 7. Display the branch numbers and the total count of employees in each branch.  
128 • SELECT Branch\_no, COUNT(Emp\_Id) AS Total\_Employees FROM Employee GROUP BY Branch\_no;  
129  
130 # 8. Display the names of customers who have issued books in the month of June 2023.  
131 • select c.customer\_name from customer c join issue\_status i on c.customer\_id=i.issued\_cust  
132 where month(issue\_date)= 6 and year(issue\_date)=2023;  
133  
134 # 9. Retrieve book\_title from book table containing history.

Result Grid

	customer_name
▶	Andrew joseph
	Arjun das

Result 9 x

Output

Action Output

#	Time	Action	Message	Duration / Fetch
✓ 13	23:08:02	SELECT Branch_no, COUNT(Emp_Id) AS Total_Employees FROM Employee GROUP BY ...	5 row(s) returned	0.016 sec / 0.000 sec
✓ 14	23:08:19	select c.customer_name from customer c join issue_status i on c.customer_id=i.issued_cust ...	2 row(s) returned	0.000 sec / 0.000 sec

Object Info Session

Result Grid Form Editor Field Types

Read Only



Local instance MySQL80 x

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Navigator

SCHEMAS

Filter objects

- employee
- issue\_status
  - Columns
    - Issue\_Id
    - Issued\_cust
    - Issue\_date
    - Isbn\_book
  - Indexes

Administration Schemas

Information

Schema: library

joins builtin functions user defined functions joins sub queries views stored procedures triggers sp DCL

Module End Project\_MySQL- Li...

```
130 # 8. Display the names of customers who have issued books in the month of June 2023.
131 • select c.customer_name from customer c join issue_status i on c.customer_id=i.issued_cust
132 where month(issue_date)= 6 and year(issue_date)=2023;
133
134 # 9. Retrieve book_title from book table containing history.
135 • select Book_title from books where Book_title LIKE '%history%';
136 # 10.Retrieve the branch numbers along with the count of employees for branches having more than 5 employees
137 • select Branch_no,count(Emp_Id)as total_employees from employee group by Branch_no having count(emp_id)>5;
```

Result Grid

Filter Rows: Export: Wrap Cell Contents

Book_title
History 1984

books10 x

Read Only

Output

Action Output

#	Time	Action	Message	Duration / Fetch
✓ 14	23:08:19	select c.customer_name from customer c join issue_status i on c.customer_id=i.issued_cust ...	2 row(s) returned	0.000 sec / 0.000 sec
✓ 15	23:08:28	select Book_title from books where Book_title LIKE '%history%'	1 row(s) returned	0.000 sec / 0.000 sec

Object Info Session

Local instance MySQL80 x

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Navigator

SCHEMAS

Filter objects

- employee
- issue\_status
  - Columns
    - Issue\_Id
    - Issued\_cust
    - Issued\_book
    - Issue\_date
    - Isbn\_book
  - Indexes

Administration Schemas

Information

Schema: library

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Don't Limit

```
131 • select c.customer_name from customer c join issue_status i on c.customer_id=i.issued_cust
132 where month(issue_date)= 6 and year(issue_date)=2023;
133
134 # 9. Retrieve book_title from book table containing history.
135 • select Book_title from books where Book_title LIKE '%history%';
136 # 10.Retrieve the branch numbers along with the count of employees for branches having more than 5 employees
137 • select Branch_no,count(Emp_Id)as total_employees from employee group by Branch_no having count(emp_id)>5;
138
```

Result Grid

Filter Rows:

Export: Wrap Cell Content:

Branch_no	total_employees
1	6

Result 11 x

Read Only

Output

Action Output

#	Time	Action	Message	Duration / Fetch
✓ 15	23:08:28	select Book_title from books where Book_title LIKE '%history%'	1 row(s) returned	0.000 sec / 0.000 sec
✓ 16	23:08:39	select Branch_no,count(Emp_Id)as total_employees from employee group by Branch_no ha...	1 row(s) returned	0.000 sec / 0.000 sec

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Navigation: joins, built in functions, user defined functions, joins, sub queries, views, stored procedures, triggers, sp, DCL, Module End Project\_MySQL: Li...

SCHEMAS

Filter objects

- employee
- issue\_status
- Columns
  - Issue\_id
  - Issued\_cust
  - Issued\_book
  - Issue\_date
  - Isbn\_book
- Indexes

Administration Schemas

Schema: library

```
135 • select Book_title from books where Book_title LIKE '%history%';
136 # 10.Retrieve the branch numbers along with the count of employees for branches having more than 5 employees
137 • select Branch_no,count(Emp_Id)as total_employees from employee group by Branch_no having count(emp_id)>5;
138
139 # 11. Retrieve the names of employees who manage branches and their respective branch addresses.
140 • SELECT e.Emp_name, b.Branch_address
141 FROM Employee e
142 JOIN Branch b ON e.Emp_Id = b.Branch_no;
```

Result Grid

Emp_name	Branch_address
John samuel	123 street alappuzha
Alice Johnson	456 kottayam
Robert Brown	789 kollam
Ajay cr	321 kozhikode
jasim ali	654 malappuram
Sarath madhav	231 madurai, WA
James jacob	987 coimbatore
Arjun ashot	741 delhi
Alana thomas	369 mysore
Anju kuran	852 hyderabad

Result 12 x

Output

Action Output

#	Time	Action	Message	Duration / Fetch
✓ 16	23:08:39	select Branch_no,count(Emp_Id)as total_employees from employee group by Branch_no ha...	1 row(s) returned	0.000 sec / 0.000 sec
✓ 17	23:08:53	SELECT e.Emp_name, b.Branch_address FROM Employee e JOIN Branch b ON e.Emp_Id ...	10 row(s) returned	0.031 sec / 0.000 sec

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Navigator

SCHEMAS

Filter objects

- employee
- issue\_status
  - Columns
    - Issue\_Id
    - Issued\_cust
    - Issued\_book
    - Issue\_date
    - ISBN\_book
  - Indexes

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Schema: library

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142 JOIN Branch b ON c.Emp\_Id = b.Branch\_no;

143

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

145 • SELECT c.Customer\_name

146 FROM Customer c

147 JOIN issue\_status i ON c.Customer\_Id = i.Issued\_cust

148 JOIN books b ON i.ISbn\_book = b.ISBN

149 WHERE b.Rental\_Price > 25;

Result Grid

Filter Rows: Export: Wrap Cell Content:

Customer_name
Henry yousuf
Lucas Green

Result 13 x

Output

Action Output

#	Time	Action	Message	Duration / Fetch
✓ 17	23:08:53	SELECT e.Emp_name, b.Branch_address FROM Employee e JOIN Branch b ON e.Emp_Id ...	10 row(s) returned	0.031 sec / 0.000 sec
✓ 18	23:09:03	SELECT c.Customer_name FROM Customer c JOIN issue_status i ON c.Customer_Id = i.Iss...	2 row(s) returned	0.000 sec / 0.000 sec

Object Info Session