

CREATED TABLE BRANCH

MySQL Workbench

Local instance MySQL80 x

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library

books

branch

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SQL File 4*

SQL File 4*

SQL File 6*

SQL File 6*

Limit to 1000 rows

```
30
31 -- Created the IssueStatus Table
32 CREATE TABLE IssueStatus (Issue_Id INT PRIMARY KEY,Issued_cust INT,Issued_book_name VARCHAR(255),
33 Issue_date DATE,ISBN_book VARCHAR(20),
34 FOREIGN KEY (Issued_cust) REFERENCES Customer(Customer_Id),FOREIGN KEY (ISBN_book) REFERENCES Books(ISBN));
35
36 -- Created the ReturnStatus Table
37 CREATE TABLE ReturnStatus (Return_Id INT PRIMARY KEY,Return_cust INT,Return_book_name VARCHAR(255),Return_date DATE,
38 ISBN_book2 VARCHAR(20),FOREIGN KEY (Return_cust) REFERENCES Customer(Customer_Id),FOREIGN KEY (ISBN_book2) REFERENCES Books(ISBN));
39
40 desc branch;
41
```

Result Grid

Field	Type	Null	Key	Default	Extra
Branch_no	int	NO	PRI	NULL	
Manager_Id	int	YES		NULL	
Branch_address	varchar(255)	YES		NULL	
Contact_no	varchar(20)	YES		NULL	

Administration Schemas

Information

Schema: library

Result 2 x

Output

Action Output

#	Time	Action	Message	Duration / Fetch
5	09:32:30	CREATE TABLE Books (ISBN VARCHAR(20) PRIMARY KEY,Book_title VARCHAR(255),Catego...	0 row(s) affected	0.000 sec
6	09:35:00	CREATE TABLE Customer (Customer_Id INT PRIMARY KEY, Customer_name VARCHAR(100...	0 row(s) affected	0.047 sec
7	09:35:52	CREATE TABLE IssueStatus (Issue_Id INT PRIMARY KEY,Issued_cust INT,Issued_book_name V...	0 row(s) affected	0.047 sec
8	09:36:30	CREATE TABLE ReturnStatus (Return_Id INT PRIMARY KEY,Return_cust INT,Return_book_name...	0 row(s) affected	0.046 sec
9	09:37:20	select * from branch LIMIT 0, 1000	0 row(s) returned	0.000 sec / 0.000 sec
10	09:37:39	desc branch	4 row(s) returned	0.000 sec / 0.000 sec

Object Info Session

CREATED TABLE EMPLOYEE

MySQL Workbench

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SQL File 4*

SQL File 6*

SQL File 6*

Limit to 1000 rows

```
30
31 -- Created the IssueStatus Table
32 CREATE TABLE IssueStatus (Issue_Id INT PRIMARY KEY,Issued_cust INT,Issued_book_name VARCHAR(255),
33 Issue_date DATE,ISBN_book VARCHAR(20),
34 FOREIGN KEY (Issued_cust) REFERENCES Customer(Customer_Id),FOREIGN KEY (ISBN_book) REFERENCES Books(ISBN));
35
36 -- Created the ReturnStatus Table
37 CREATE TABLE ReturnStatus (Return_Id INT PRIMARY KEY,Return_cust INT,Return_book_name VARCHAR(255),Return_date DATE,
38 ISBN_book2 VARCHAR(20),FOREIGN KEY (Return_cust) REFERENCES Customer(Customer_Id),FOREIGN KEY (ISBN_book2) REFERENCES Books(ISBN));
39
40 desc employee;
41
```

Result Grid

Field	Type	Null	Key	Default	Extra
Emp_Id	int	NO	PRI	NULL	
Emp_name	varchar(100)	YES		NULL	
Position	varchar(50)	YES		NULL	
Salary	decimal(10,2)	YES		NULL	
Branch_no	int	YES	MUL	NULL	

Administration Schemas

Information

Schema: library

Result 3 x

Output

Action Output

#	Time	Action	Message	Duration / Fetch
6	09:35:00	CREATE TABLE Customer (Customer_Id INT PRIMARY KEY, Customer_name VARCHAR(100...	0 row(s) affected	0.047 sec
7	09:35:52	CREATE TABLE IssueStatus (Issue_Id INT PRIMARY KEY,Issued_cust INT,Issued_book_name V...	0 row(s) affected	0.047 sec
8	09:36:30	CREATE TABLE ReturnStatus (Return_Id INT PRIMARY KEY,Return_cust INT,Return_book_name...	0 row(s) affected	0.046 sec
9	09:37:20	select * from branch LIMIT 0, 1000	0 row(s) returned	0.000 sec / 0.000 sec
10	09:37:39	desc branch	4 row(s) returned	0.000 sec / 0.000 sec
11	09:39:04	desc employee	5 row(s) returned	0.000 sec / 0.000 sec

Object Info Session

CREATED TABLE BOOKS

MySQL Workbench

Local instance MySQL80

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Administration Schemas Information

Schema: library

SQL File 4* SQL File 4* SQL File 6* SQL File 6*

Limit to 1000 rows

34 FOREIGN KEY (Issued_cust) REFERENCES Customer(Customer_Id),FOREIGN KEY (ISBN_book) REFERENCES Books(ISBN));

35

36 -- Created the ReturnStatus Table

37 CREATE TABLE ReturnStatus (Return_Id INT PRIMARY KEY,Return_cust INT,Return_book_name VARCHAR(255),Return_date DATE,

38 ISBN_book2 VARCHAR(20),FOREIGN KEY (Return_cust) REFERENCES Customer(Customer_Id),FOREIGN KEY (ISBN_book2) REFERENCES Books(ISBN));

39

40 desc books;

41

42

43

44

45

Result Grid

Filter Rows:

Export: Wrap Cell Content: 15

Field	Type	Null	Key	Default	Extra
ISBN	varchar(20)	NO	PRI	NULL	
Book_title	varchar(255)	YES		NULL	
Category	varchar(50)	YES		NULL	
Rental_Price	decimal(10,2)	YES		NULL	
Status	varchar(3)	YES		NULL	
Author	varchar(100)	YES		NULL	
Publisher	varchar(100)	YES		NULL	

Result 4

Read Only

Output

Action Output

#	Time	Action	Message	Duration / Fetch
7	09:35:52	CREATE TABLE IssueStatus (Issue_Id INT PRIMARY KEY,Issued_cust INT,Issued_book_name V...	0 row(s) affected	0.047 sec
8	09:36:30	CREATE TABLE ReturnStatus (Return_Id INT PRIMARY KEY,Return_cust INT,Return_book_name...	0 row(s) affected	0.046 sec
9	09:37:20	select * from branch LIMIT 0, 1000	0 row(s) returned	0.000 sec / 0.000 sec
10	09:37:39	desc branch	4 row(s) returned	0.000 sec / 0.000 sec
11	09:39:04	desc employee	5 row(s) returned	0.000 sec / 0.000 sec
12	09:41:01	desc books	7 row(s) returned	0.000 sec / 0.000 sec

Object Info Session

CREATED TABLE CUSTOMER

MySQL Workbench

Local instance MySQL80

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Administration Schemas Information

Schema: library

SQL File 4* SQL File 4* SQL File 6* SQL File 6*

Limit to 1000 rows

34 FOREIGN KEY (Issued_cust) REFERENCES Customer(Customer_Id),FOREIGN KEY (ISBN_book) REFERENCES Books(ISBN));

35

36 -- Created the ReturnStatus Table

37 CREATE TABLE ReturnStatus (Return_Id INT PRIMARY KEY,Return_cust INT,Return_book_name VARCHAR(255),Return_date DATE,

38 ISBN_book2 VARCHAR(20),FOREIGN KEY (Return_cust) REFERENCES Customer(Customer_Id),FOREIGN KEY (ISBN_book2) REFERENCES Books(ISBN));

39

40 desc customer;

41

42

43

44

45

Result Grid

Filter Rows:

Export: Wrap Cell Content: 15

Field	Type	Null	Key	Default	Extra
Customer_Id	int	NO	PRI	NULL	
Customer_name	varchar(100)	YES		NULL	
Customer_address	varchar(255)	YES		NULL	
Reg_date	date	YES		NULL	

Result 5

Read Only

Output

Action Output

#	Time	Action	Message	Duration / Fetch
8	09:36:30	CREATE TABLE ReturnStatus (Return_Id INT PRIMARY KEY,Return_cust INT,Return_book_name...	0 row(s) affected	0.046 sec
9	09:37:20	select * from branch LIMIT 0, 1000	0 row(s) returned	0.000 sec / 0.000 sec
10	09:37:39	desc branch	4 row(s) returned	0.000 sec / 0.000 sec
11	09:39:04	desc employee	5 row(s) returned	0.000 sec / 0.000 sec
12	09:41:01	desc books	7 row(s) returned	0.000 sec / 0.000 sec
13	09:41:12	desc customer	4 row(s) returned	0.015 sec / 0.000 sec

Object Info Session

CREATED TABLE ISSUE_STATUS

MySQL Workbench

Local instance MySQL80 x

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Administration Schemas

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Schema: library

```
30
31 -- Created the IssueStatus Table
32 CREATE TABLE IssueStatus (Issue_Id INT PRIMARY KEY,Issued_cust INT,Issued_book_name VARCHAR(255),
33 Issue_date DATE,ISBN_book VARCHAR(20),
34 FOREIGN KEY (Issued_cust) REFERENCES Customer(Customer_Id),FOREIGN KEY (ISBN_book) REFERENCES Books(ISBN));
35
36 -- Created the ReturnStatus Table
37 CREATE TABLE ReturnStatus (Return_Id INT PRIMARY KEY,Return_cust INT,Return_book_name VARCHAR(255),Return_date DATE,
38 ISBN_book2 VARCHAR(20),FOREIGN KEY (Return_cust) REFERENCES Customer(Customer_Id),FOREIGN KEY (ISBN_book2) REFERENCES Books(ISBN));
39
40 desc issuestatus;
```

Result Grid

Field	Type	Null	Key	Default	Extra
Issue_Id	int	NO	PRI		
Issued_cust	int	YES	MUL		
Issued_book_name	varchar(255)	YES			
Issue_date	date	YES			
ISBN_book	varchar(20)	YES	MUL		

Result 6 x

Read Only

Output

Action Output

#	Time	Action	Message	Duration / Fetch
✓	10 09:37:39	desc branch	4 row(s) returned	0.000 sec / 0.000 sec
✓	11 09:39:04	desc employee	5 row(s) returned	0.000 sec / 0.000 sec
✓	12 09:41:01	desc books	7 row(s) returned	0.000 sec / 0.000 sec
✓	13 09:41:12	desc customer	4 row(s) returned	0.015 sec / 0.000 sec
✗	14 09:41:24	desc issuedate	Error Code: 1146. Table 'library.issuedate' doesn't exist	0.016 sec
✓	15 09:41:34	desc issuestatus	5 row(s) returned	0.000 sec / 0.000 sec

Object Info Session

CREATED TABLE RETURN_STATUS

MySQL Workbench

Local instance MySQL80 x

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Schema: library

```
30
31 -- Created the IssueStatus Table
32 CREATE TABLE IssueStatus (Issue_Id INT PRIMARY KEY,Issued_cust INT,Issued_book_name VARCHAR(255),
33 Issue_date DATE,ISBN_book VARCHAR(20),
34 FOREIGN KEY (Issued_cust) REFERENCES Customer(Customer_Id),FOREIGN KEY (ISBN_book) REFERENCES Books(ISBN));
35
36 -- Created the ReturnStatus Table
37 CREATE TABLE ReturnStatus (Return_Id INT PRIMARY KEY,Return_cust INT,Return_book_name VARCHAR(255),Return_date DATE,
38 ISBN_book2 VARCHAR(20),FOREIGN KEY (Return_cust) REFERENCES Customer(Customer_Id),FOREIGN KEY (ISBN_book2) REFERENCES Books(ISBN));
39
40 desc returnstatus;
```

Result Grid

Field	Type	Null	Key	Default	Extra
Return_Id	int	NO	PRI		
Return_cust	int	YES	MUL		
Return_book_name	varchar(255)	YES			
Return_date	date	YES			
ISBN_book2	varchar(20)	YES	MUL		

Result 7 x

Read Only

Output

Action Output

#	Time	Action	Message	Duration / Fetch
✓	11 09:39:04	desc employee	5 row(s) returned	0.000 sec / 0.000 sec
✓	12 09:41:01	desc books	7 row(s) returned	0.000 sec / 0.000 sec
✓	13 09:41:12	desc customer	4 row(s) returned	0.015 sec / 0.000 sec
✗	14 09:41:24	desc issuedate	Error Code: 1146. Table 'library.issuedate' doesn't exist	0.016 sec
✓	15 09:41:34	desc issuestatus	5 row(s) returned	0.000 sec / 0.000 sec
✓	16 09:41:45	desc returnstatus	5 row(s) returned	0.000 sec / 0.000 sec

Object Info Session

RETRIEVED THE BOOK TITLE,CATEGORY AND RENTAL PRICE OF ALL AVAILABLE BOOKS

The screenshot shows the MySQL Workbench interface with a query executed in the SQL Editor. The query is as follows:

```
85 • select * from employee;
86 • select * from books;
87 • select * from customer;
88 • select * from issuestatus;
89 • select * from returnstatus;
90
91 -- Retrieved the book title, category, and rental price of all available books
92 • SELECT Book_title, Category, Rental_Price
93 FROM Books
94 WHERE Status = 'yes';
95
```

The Result Grid displays the following data:

Book_title	Category	Rental_Price
The Great Adventure	Fiction	20.99
Modern Programming	Technology	30.99

The Output pane shows the execution log for the query, indicating that 2 rows were returned for the final SELECT statement.

LISTED THE EMPLOYEE NAMES AND THEIR RESPECTIVE SALARIES IN DESCENDING ORDER OF SALARY

The screenshot shows the MySQL Workbench interface with a query executed in the SQL Editor. The query is as follows:

```
90
91 -- Retrieved the book title, category, and rental price of all available books
92 • SELECT Book_title, Category, Rental_Price
93 FROM Books
94 WHERE Status = 'yes';
95
96 -- Listed the employee names and their respective salaries in descending order of salary
97 • SELECT Emp_name, Salary
98 FROM Employee
99 ORDER BY Salary DESC;
100
```

The Result Grid displays the following data:

Emp_name	Salary
Alice Johnson	60000
Emma Davis	55000
Bob Smith	35000

The Output pane shows the execution log for the query, indicating that 3 rows were returned for the final SELECT statement.

RETRIEVED BOOK TITLES AND CORRESPONDING CUSTOMERS WHO HAVE ISSUED THOSE BOOKS

The screenshot shows the MySQL Workbench interface. The left sidebar displays the 'library' schema with tables: books, branch, customer, employee, issuestatus, and returnstatus. The main editor contains the following SQL query:

```
-- Listed the employee names and their respective salaries in descending order of salary
SELECT Emp_name, Salary
FROM Employee
ORDER BY Salary DESC;

-- Retrieved the book titles and the corresponding customers who have issued those books
SELECT b.Book_title, c.Customer_name
FROM Books b
JOIN IssueStatus i ON b.ISBN = i.ISBN_book
JOIN Customer c ON i.Issued_cust = c.Customer_Id;
```

The 'Result Grid' shows the following data:

Book_title	Customer_name
The Great Adventure	Charlie Brown
History of SQL	David Green

The 'Output' pane shows the execution log for the query, indicating that 2 rows were returned for the final query.

DISPLAYED TOTAL COUNG OF BOOKS IN EACH CATEGORY

The screenshot shows the MySQL Workbench interface. The left sidebar displays the 'library' schema with tables: books, branch, customer, employee, issuestatus, and returnstatus. The main editor contains the following SQL query:

```
FROM Books b
JOIN IssueStatus i ON b.ISBN = i.ISBN_book
JOIN Customer c ON i.Issued_cust = c.Customer_Id;

-- Displayed the total count of books in each category
SELECT Category, COUNT(*) AS Total_Books
FROM Books
GROUP BY Category;
```

The 'Result Grid' shows the following data:

Category	Total_Books
Fiction	1
Technology	1
Educational	1

The 'Output' pane shows the execution log for the query, indicating that 3 rows were returned for the final query.

RETRIEVED EMPLOYEE NAMES AND THEIR POSITION FOR THE EMPLOYEE WHOSE SALARIES ARE ABOVE 50,000

MySQL Workbench

Local instance MySQL80

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Administration Schemas

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Schema: library

SQL File 4* SQL File 4* SQL File 6* SQL File 6*

Limit to 1000 rows

```
106
107 -- Displayed the total count of books in each category
108 * SELECT Category, COUNT(*) AS Total_Books
109 FROM Books
110 GROUP BY Category;
111
112 -- Retrieved the employee names and their positions for the employees whose salaries are above Rs.50,000
113 * SELECT Emp_name, Position
114 FROM Employee
115 WHERE Salary > 50000;
116
```

Result Grid

Emp_name	Position
Alice Johnson	Manager
Emma Davis	Manager

Employee 18

Output

Action Output

#	Time	Action	Message	Duration / Fetch
28	09:51:48	select * from returnstatus LIMIT 0, 1000	2 row(s) returned	0.000 sec / 0.000 sec
29	09:52:54	SELECT Book_title, Category, Rental_Price FROM Books WHERE Status = 'yes' LIMIT 0, 1000	2 row(s) returned	0.000 sec / 0.000 sec
30	09:54:16	SELECT Emp_name, Salary FROM Employee ORDER BY Salary DESC LIMIT 0, 1000	3 row(s) returned	0.000 sec / 0.000 sec
31	09:54:41	SELECT b.Book_title, c.Customer_name FROM Books b JOIN IssueStatus i ON b.ISBN = i.ISBN_bo...	2 row(s) returned	0.000 sec / 0.000 sec
32	09:55:03	SELECT Category, COUNT(*) AS Total_Books FROM Books GROUP BY Category LIMIT 0, 1000	3 row(s) returned	0.000 sec / 0.000 sec
33	09:55:32	SELECT Emp_name, Position FROM Employee WHERE Salary > 50000 LIMIT 0, 1000	2 row(s) returned	0.000 sec / 0.000 sec

DISPLAYED THE BRANCH NUMBER AND TOTAL COUNT OF EMPLOYEES IN EACH BRANCH

MySQL Workbench

Local instance MySQL80

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Schema: library

SQL File 4* SQL File 6* SQL File 6*

Limit to 1000 rows

```
117
118 -- Listed the customer names who registered before 2022-01-01 and have not issued any books yet
119 * SELECT Customer_name
120 FROM Customer
121 WHERE Reg_date < '2022-01-01'
122 AND Customer_Id NOT IN (SELECT DISTINCT Issued_cust FROM IssueStatus);
123
124 -- Displayed the branch numbers and the total count of employees in each branch
125 * SELECT Branch_no, COUNT(*) AS Total_Employees
126 FROM Employee
127 GROUP BY Branch_no;
128
```

Result Grid

Branch_no	Total_Employees
1	1
2	2

Result 20

Output

Action Output

#	Time	Action	Message	Duration / Fetch
30	09:54:16	SELECT Emp_name, Salary FROM Employee ORDER BY Salary DESC LIMIT 0, 1000	3 row(s) returned	0.000 sec / 0.000 sec
31	09:54:41	SELECT b.Book_title, c.Customer_name FROM Books b JOIN IssueStatus i ON b.ISBN = i.ISBN_bo...	2 row(s) returned	0.000 sec / 0.000 sec
32	09:55:03	SELECT Category, COUNT(*) AS Total_Books FROM Books GROUP BY Category LIMIT 0, 1000	3 row(s) returned	0.000 sec / 0.000 sec
33	09:55:32	SELECT Emp_name, Position FROM Employee WHERE Salary > 50000 LIMIT 0, 1000	2 row(s) returned	0.000 sec / 0.000 sec
34	09:56:18	SELECT Customer_name FROM Customer WHERE Reg_date < '2022-01-01' AND Customer_Id NO...	0 row(s) returned	0.016 sec / 0.000 sec
35	09:56:53	SELECT Branch_no, COUNT(*) AS Total_Employees FROM Employee GROUP BY Branch_no LIM...	2 row(s) returned	0.016 sec / 0.000 sec

DISPLAYED NAMES OF CUSTOMERS WHO HAVE ISSUES BOOKS IN THE MONTH OF JUNE 2023

The screenshot shows the MySQL Workbench interface. The left sidebar displays the 'SCHEMAS' tree with the 'library' schema selected. The main editor shows a SQL query with two parts: one to display branch numbers and employee counts, and another to display customer names who have issued books in June 2023. The 'Result Grid' shows the output of the second query, displaying a single row for 'David Green'.

```
123 -- Displayed the branch numbers and the total count of employees in each branch
124 SELECT Branch_no, COUNT(*) AS Total_Employees
125 FROM Employee
126 GROUP BY Branch_no;
127
128 -- Displayed the names of customers who have issued books in the month of June 2023
129 SELECT DISTINCT c.Customer_name
130 FROM Customer c
131 JOIN IssueStatus i ON c.Customer_Id = i.Issued_cust
132 WHERE i.Issue_date BETWEEN '2023-06-01' AND '2023-06-30';
133
```

Customer_name
David Green

Result 21 x Read Only

#	Time	Action	Message	Duration / Fetch
31	09:54:41	SELECT b.Book_title, c.Customer_name FROM Books b JOIN IssueStatus i ON b.ISBN = i.ISBN_bo...	2 row(s) returned	0.000 sec / 0.000 sec
32	09:55:03	SELECT Category, COUNT(*) AS Total_Books FROM Books GROUP BY Category LIMIT 0, 1000	3 row(s) returned	0.000 sec / 0.000 sec
33	09:55:32	SELECT Emp_name, Position FROM Employee WHERE Salary > 50000 LIMIT 0, 1000	2 row(s) returned	0.000 sec / 0.000 sec
34	09:56:18	SELECT Customer_name FROM Customer WHERE Reg_date < '2022-01-01' AND Customer_Id NO...	0 row(s) returned	0.016 sec / 0.000 sec
35	09:56:53	SELECT Branch_no, COUNT(*) AS Total_Employees FROM Employee GROUP BY Branch_no LIM...	2 row(s) returned	0.016 sec / 0.000 sec
36	09:57:27	SELECT DISTINCT c.Customer_name FROM Customer c JOIN IssueStatus i ON c.Customer_Id = i.I...	1 row(s) returned	0.000 sec / 0.000 sec

RETRIEVED BOOKS TITLE FROM THE BOOK TABLE CONTAINING "HISTORY"

The screenshot shows the MySQL Workbench interface. The left sidebar displays the 'SCHEMAS' tree with the 'library' schema selected. The main editor shows a SQL query with two parts: one to display customer names who have issued books in June 2023, and another to retrieve book titles containing the word 'history'. The 'Result Grid' shows the output of the second query, displaying a single row for 'History of SQL'.

```
128 -- Displayed the names of customers who have issued books in the month of June 2023
129 SELECT DISTINCT c.Customer_name
130 FROM Customer c
131 JOIN IssueStatus i ON c.Customer_Id = i.Issued_cust
132 WHERE i.Issue_date BETWEEN '2023-06-01' AND '2023-06-30';
133
134 -- Retrieved book_title from the book table containing "history"
135 SELECT Book_title
136 FROM Books
137 WHERE Book_title LIKE '%history%';
138
```

Book_title
History of SQL

Books 22 x Read Only

#	Time	Action	Message	Duration / Fetch
32	09:55:03	SELECT Category, COUNT(*) AS Total_Books FROM Books GROUP BY Category LIMIT 0, 1000	3 row(s) returned	0.000 sec / 0.000 sec
33	09:55:32	SELECT Emp_name, Position FROM Employee WHERE Salary > 50000 LIMIT 0, 1000	2 row(s) returned	0.000 sec / 0.000 sec
34	09:56:18	SELECT Customer_name FROM Customer WHERE Reg_date < '2022-01-01' AND Customer_Id NO...	2 row(s) returned	0.016 sec / 0.000 sec
35	09:56:53	SELECT Branch_no, COUNT(*) AS Total_Employees FROM Employee GROUP BY Branch_no LIM...	2 row(s) returned	0.016 sec / 0.000 sec
36	09:57:27	SELECT DISTINCT c.Customer_name FROM Customer c JOIN IssueStatus i ON c.Customer_Id = i.I...	1 row(s) returned	0.000 sec / 0.000 sec
37	09:57:55	SELECT Book_title FROM Books WHERE Book_title LIKE '%history%' LIMIT 0, 1000	1 row(s) returned	0.000 sec / 0.000 sec

RETRIEVED NAMES OF EMPLOYEE WHO MANAGE BRANCHES AND THEIR RESPECTIVE BRANCH ADDRESSES

The screenshot shows the MySQL Workbench interface with a query executed in the SQL Editor. The query is as follows:

```
140 SELECT Branch_no, COUNT(*) AS Total_Employees
141 FROM Employee
142 GROUP BY Branch_no
143 HAVING COUNT(*) > 5;
144
145 -- Retrieved the names of employees who manage branches and their respective branch addresses
146 SELECT e.Emp_name, b.Branch_address
147 FROM Employee e
148 JOIN Branch b ON e.Branch_no = b.Branch_no
149 WHERE e.Position = 'Manager';
150
```

The Result Grid displays the following data:

Emp_name	Branch_address
Alice Johnson	123 Library St, City
Emma Davis	456 Book Ave, Town

The Output pane shows the execution log with the following entries:

#	Time	Action	Message	Duration / Fetch
34	09:56:18	SELECT Customer_name FROM Customer WHERE Reg_date < '2022-01-01' AND Customer_Id NO...	0 row(s) returned	0.016 sec / 0.000 sec
35	09:56:53	SELECT Branch_no, COUNT(*) AS Total_Employees FROM Employee GROUP BY Branch_no LIM...	2 row(s) returned	0.016 sec / 0.000 sec
36	09:57:27	SELECT DISTINCT c.Customer_name FROM Customer c JOIN IssueStatus i ON c.Customer_Id = i.I...	1 row(s) returned	0.000 sec / 0.000 sec
37	09:57:55	SELECT Book_title FROM Books WHERE Book_title LIKE "%history%"; LIMIT 0, 1000	1 row(s) returned	0.000 sec / 0.000 sec
38	09:58:30	SELECT Branch_no, COUNT(*) AS Total_Employees FROM Employee GROUP BY Branch_no HAV...	0 row(s) returned	0.000 sec / 0.000 sec
39	09:59:04	SELECT e.Emp_name, b.Branch_address FROM Employee e JOIN Branch b ON e.Branch_no = b.B...	2 row(s) returned	0.000 sec / 0.000 sec

DISPLAYED THE NAMES OF CUSTOMERS WHO HAVE ISSUED BOOKS WITH A RENTAL PRICE HIGHER THAN RS.25

The screenshot shows the MySQL Workbench interface with a query executed in the SQL Editor. The query is as follows:

```
147 FROM Employee e
148 JOIN Branch b ON e.Branch_no = b.Branch_no
149 WHERE e.Position = 'Manager';
150
151 -- Displayed the names of customers who have issued books with a rental price higher than Rs. 25:
152 SELECT DISTINCT c.Customer_name
153 FROM Customer c
154 JOIN IssueStatus i ON c.Customer_Id = i.Issued_cust
155 JOIN Books b ON i.ISBN_book = b.ISBN
156 WHERE b.Rental_Price > 25;
157
```

The Result Grid displays the following data:

Customer_name
David Green

The Output pane shows the execution log with the following entries:

#	Time	Action	Message	Duration / Fetch
35	09:56:53	SELECT Branch_no, COUNT(*) AS Total_Employees FROM Employee GROUP BY Branch_no LIM...	2 row(s) returned	0.016 sec / 0.000 sec
36	09:57:27	SELECT DISTINCT c.Customer_name FROM Customer c JOIN IssueStatus i ON c.Customer_Id = i.I...	1 row(s) returned	0.000 sec / 0.000 sec
37	09:57:55	SELECT Book_title FROM Books WHERE Book_title LIKE "%history%"; LIMIT 0, 1000	1 row(s) returned	0.000 sec / 0.000 sec
38	09:58:30	SELECT Branch_no, COUNT(*) AS Total_Employees FROM Employee GROUP BY Branch_no HAV...	0 row(s) returned	0.000 sec / 0.000 sec
39	09:59:04	SELECT e.Emp_name, b.Branch_address FROM Employee e JOIN Branch b ON e.Branch_no = b.B...	2 row(s) returned	0.000 sec / 0.000 sec
40	09:59:31	SELECT DISTINCT c.Customer_name FROM Customer c JOIN IssueStatus i ON c.Customer_Id = i.I...	1 row(s) returned	0.000 sec / 0.000 sec