

MySQL Workbench

Local instance MySQL80

FileEditViewQueryDatabaseServerToolsScriptingHelp

Navigator

SCHEMAS

Filter objects

▼ entri_d42

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Administration

Schemas

Information

No object selected

Assingment_3* joints_unions* user defined function* ASSINGMENT_5* SQL File 24* SQL File 26* SQL File 27* SQL File 9*

Limit to 1000 rows

VALUES

93

94

95

96

97

98

99

100

101

102

103

104

(401, 201, 'History of Ancient Civilizations', '2023-06-20', 1001),

(402, 202, 'Modern AI Techniques', '2023-06-25', 1002);

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

SELECT Book_title, Category, Rental_Price

FROM Books

WHERE Status = 'Yes';

Result Grid

Filter Rows:

Export:

Wrap Cell Content:

Result Grid

Form Editor

Read Only

	Book_title	Category	Rental_Price
▶	History of Ancient Civilizations	History	50.00

Books2

Output

Action Output

#	Time	Action	Message	Duration / Fetch
✖ 15	20:03:38	INSERT INTO Books (ISBN, Book_title, Category, Rental_Price, Status, Author, Publisher) VALUE...	Error Code: 1265. Data truncated for column 'ISBN' at row 1	0.000 sec
✔ 16	20:13:10	INSERT INTO Books (ISBN, Book_title, Category, Rental_Price, Status, Author, Publisher) VALUE...	2 row(s) affected Records: 2 Duplicates: 0 Warnings: 0	0.016 sec
✔ 17	20:13:18	INSERT INTO Customer (Customer_Id, Customer_name, Customer_address, Reg_date) VALUES (...	2 row(s) affected Records: 2 Duplicates: 0 Warnings: 0	0.015 sec
✔ 18	20:13:26	INSERT INTO IssueStatus (Issue_Id, Issued_cust, Issued_book_name, Issue_date, isbn_book) V...	2 row(s) affected Records: 2 Duplicates: 0 Warnings: 0	0.016 sec
✔ 19	20:13:34	INSERT INTO ReturnStatus (Return_Id, Return_cust, Return_book_name, Return_date, isbn_bo...	2 row(s) affected Records: 2 Duplicates: 0 Warnings: 0	0.015 sec
✔ 20	20:18:38	SELECT Book_title, Category, Rental_Price FROM Books WHERE Status = 'Yes' LIMIT 0, 1000	1 row(s) returned	0.031 sec / 0.000 sec

Object Info

Session

33°C Haze

Search

Windows Taskbar

08:19 PM 09-12-2024

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Assingment_3*

joints_unions*

user defined function*

ASSINGMENT_5*

SQL File 24*

SQL File 26*

SQL File 27*

SQL File 9* x

Limit to 1000 rows

SQL Editor

100 FROM Books

101 WHERE Status = 'Yes';

102

103

104

105 # 2 List the employee names and their respective salaries in descending order of salary.

106 • SELECT Emp_name, Salary

107 FROM Employee

108 ORDER BY Salary DESC;

109

110

111

112

Result Grid

Filter Rows:

Export:

Wrap Cell Content:

Result Grid

Form Editor

	Emp_name	Salary
▶	John Doe	60000.00
	Jane Smith	45000.00

Administration

Schemas

Information

No object selected

Employee 3 x

Read Only

Output

Action Output

#	Time	Action	Message	Duration / Fetch
✓ 16	20:13:10	INSERT INTO Books (ISBN, Book_title, Category, Rental_Price, Status, Author, Publisher) VALUE...	2 row(s) affected Records: 2 Duplicates: 0 Warnings: 0	0.016 sec
✓ 17	20:13:18	INSERT INTO Customer (Customer_Id, Customer_name, Customer_address, Reg_date) VALUES (...	2 row(s) affected Records: 2 Duplicates: 0 Warnings: 0	0.015 sec
✓ 18	20:13:26	INSERT INTO IssueStatus (Issue_Id, Issued_cust, Issued_book_name, Issue_date, Isbn_book) V...	2 row(s) affected Records: 2 Duplicates: 0 Warnings: 0	0.016 sec
✓ 19	20:13:34	INSERT INTO ReturnStatus (Return_Id, Return_cust, Return_book_name, Return_date, Isbn boo...	2 row(s) affected Records: 2 Duplicates: 0 Warnings: 0	0.015 sec
✓ 20	20:18:38	SELECT Book_title, Category, Rental_Price FROM Books WHERE Status = 'Yes' LIMIT 0, 1000	1 row(s) returned	0.031 sec / 0.000 sec
✓ 21	20:23:49	SELECT Emp_name, Salary FROM Employee ORDER BY Salary DESC LIMIT 0, 1000	2 row(s) returned	0.000 sec / 0.000 sec

Object Info

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No object selected

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Limit to 1000 rows

SQL Editor

106 •

SELECT Emp_name, Salary

107 FROM Employee

108 ORDER BY Salary DESC;

109

110 # 3 Retrieve the book titles and the corresponding customers who have issued those books.

111

112 •

SELECT B.Book_title, C.Customer_name

113 FROM Books B

114 JOIN IssueStatus I ON B.ISBN = I.Isbn_book

115 JOIN Customer C ON I.Issued_cust = C.Customer_Id;

116

117 #4 Display the total count of books in each category.

Result Grid

Filter Rows:

Export:

Wrap Cell Content:

Book_title	Customer_name
History of Ancient Civilizations	Charlie Brown
Modern AI Techniques	Daisy Green

Result 7

Read Only

Output

Action Output

#	Time	Action	Message	Duration / Fetch
✓ 20	20:18:38	SELECT Book_title, Category, Rental_Price FROM Books WHERE Status = 'Yes' LIMIT 0, 1000	1 row(s) returned	0.031 sec / 0.000 sec
✓ 21	20:23:49	SELECT Emp_name, Salary FROM Employee ORDER BY Salary DESC LIMIT 0, 1000	2 row(s) returned	0.000 sec / 0.000 sec
✓ 22	20:25:02	SELECT B.Book_title, C.Customer_name FROM Books B JOIN IssueStatus I ON B.ISBN = I.Isbn_...	2 row(s) returned	0.000 sec / 0.000 sec
✓ 23	20:25:29	SELECT Category, COUNT(*) AS Total_Books FROM Books GROUP BY Category LIMIT 0, 1000	2 row(s) returned	0.016 sec / 0.000 sec
✓ 24	20:25:49	SELECT Emp_name, Position FROM Employee WHERE Salary > 50000 LIMIT 0, 1000	1 row(s) returned	0.000 sec / 0.000 sec
✓ 25	20:28:52	SELECT B.Book_title, C.Customer_name FROM Books B JOIN IssueStatus I ON B.ISBN = I.Isbn_...	2 row(s) returned	0.000 sec / 0.000 sec

Object Info

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33°C Haze

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No object selected

Assingment_3* joints_unions* user defined function* ASSINGMENT_5* SQL File 24* SQL File 26* SQL File 27* SQL File 9*

Limit to 1000 rows

SQL Editor

109

110 # 3 Retrieve the book titles and the corresponding customers who have issued those books.

111

112 • SELECT B.Book_title, C.Customer_name

113 FROM Books B

114 JOIN IssueStatus I ON B.ISBN = I.Isbn_book

115 JOIN Customer C ON I.Issued_cust = C.Customer_Id;

116

117 #4 Display the total count of books in each category.

118 • SELECT Category, COUNT(*) AS Total_Books

119 FROM Books

120 GROUP BY Category;

Result Grid

Filter Rows:

Export:

Wrap Cell Content:

Result Grid

Form Editor

Read Only

	Category	Total_Books
▶	History	1
	Technology	1

Result 8

Output

Action Output

#	Time	Action	Message	Duration / Fetch
✓ 21	20:23:49	SELECT Emp_name, Salary FROM Employee ORDER BY Salary DESC LIMIT 0, 1000	2 row(s) returned	0.000 sec / 0.000 sec
✓ 22	20:25:02	SELECT B.Book_title, C.Customer_name FROM Books B JOIN IssueStatus I ON B.ISBN = I.Isbn_...	2 row(s) returned	0.000 sec / 0.000 sec
✓ 23	20:25:29	SELECT Category, COUNT(*) AS Total_Books FROM Books GROUP BY Category LIMIT 0, 1000	2 row(s) returned	0.016 sec / 0.000 sec
✓ 24	20:25:49	SELECT Emp_name, Position FROM Employee WHERE Salary > 50000 LIMIT 0, 1000	1 row(s) returned	0.000 sec / 0.000 sec
✓ 25	20:28:52	SELECT B.Book_title, C.Customer_name FROM Books B JOIN IssueStatus I ON B.ISBN = I.Isbn_...	2 row(s) returned	0.000 sec / 0.000 sec
✓ 26	20:34:45	SELECT Category, COUNT(*) AS Total_Books FROM Books GROUP BY Category LIMIT 0, 1000	2 row(s) returned	0.015 sec / 0.000 sec

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33°C Haze

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Assingment_3*

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ASSINGMENT_5*

SQL File 24*

SQL File 26*

SQL File 27*

SQL File 9* x

Limit to 1000 rows

115 JOIN Customer C ON I.Issued_cust = C.Customer_Id;

116

117 #4 Display the total count of books in each category.

118 • SELECT Category, COUNT(*) AS Total_Books

119 FROM Books

120 GROUP BY Category;

121

122 #5Retrieve the employee names and their positions for the employees whose salaries are above Rs.50,000.

123 • SELECT Emp_name, Position

124 FROM Employee

125 WHERE Salary > 50000;

126

Result Grid

Filter Rows:

Export:

Wrap Cell Content:

Emp_namePosition

John DoeManager

AdministrationSchemas

Information

No object selected

Employee 9 x

Read Only

Output

Action Output

#	Time	Action	Message	Duration / Fetch
✓ 22	20:25:02	SELECT B.Book_title, C.Customer_name FROM Books B JOIN IssueStatus I ON B.ISBN = I.Isbn_...	2 row(s) returned	0.000 sec / 0.000 sec
✓ 23	20:25:29	SELECT Category, COUNT(*) AS Total_Books FROM Books GROUP BY Category LIMIT 0, 1000	2 row(s) returned	0.016 sec / 0.000 sec
✓ 24	20:25:49	SELECT Emp_name, Position FROM Employee WHERE Salary > 50000 LIMIT 0, 1000	1 row(s) returned	0.000 sec / 0.000 sec
✓ 25	20:28:52	SELECT B.Book_title, C.Customer_name FROM Books B JOIN IssueStatus I ON B.ISBN = I.Isbn_...	2 row(s) returned	0.000 sec / 0.000 sec
✓ 26	20:34:45	SELECT Category, COUNT(*) AS Total_Books FROM Books GROUP BY Category LIMIT 0, 1000	2 row(s) returned	0.015 sec / 0.000 sec
✓ 27	21:16:11	SELECT Emp_name, Position FROM Employee WHERE Salary > 50000 LIMIT 0, 1000	1 row(s) returned	0.094 sec / 0.000 sec

Object InfoSession

33°C Haze

Search

Ps

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Assingment_3*

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SQL File 24*

SQL File 26*

SQL File 27*

SQL File 9*

Limit to 1000 rows

SQL Query Editor

```
127
128  #6 List the customer names who registered before 2022-01-01 and have not issued any books yet.
129
130  SELECT Customer_name
131  FROM Customer C
132  WHERE Reg_date < '2022-01-01'
133  AND NOT EXISTS (
134      SELECT 1
135      FROM IssueStatus I
136      WHERE I.Issued_cust = C.Customer_Id
137  );
138
```

Result Grid

Filter Rows:

Export:

Wrap Cell Content:

Customer_name

Administration

Schemas

Information

No object selected

Customer 10

Read Only

Output

Action Output

#	Time	Action	Message	Duration / Fetch
23	20:25:29	SELECT Category, COUNT(*) AS Total_Books FROM Books GROUP BY Category LIMIT 0, 1000	2 row(s) returned	0.016 sec / 0.000 sec
24	20:25:49	SELECT Emp_name, Position FROM Employee WHERE Salary > 50000 LIMIT 0, 1000	1 row(s) returned	0.000 sec / 0.000 sec
25	20:28:52	SELECT B.Book_title, C.Customer_name FROM Books B JOIN IssueStatus I ON B.ISBN = I.Isbn...	2 row(s) returned	0.000 sec / 0.000 sec
26	20:34:45	SELECT Category, COUNT(*) AS Total_Books FROM Books GROUP BY Category LIMIT 0, 1000	2 row(s) returned	0.015 sec / 0.000 sec
27	21:16:11	SELECT Emp_name, Position FROM Employee WHERE Salary > 50000 LIMIT 0, 1000	1 row(s) returned	0.094 sec / 0.000 sec
28	21:18:08	SELECT Customer_name FROM Customer C WHERE Reg_date < '2022-01-01' AND NOT EXIS...	0 row(s) returned	0.015 sec / 0.000 sec

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No object selected

Assingment_3* joints_unions* user defined function* ASSINGMENT_5* SQL File 24* SQL File 26* SQL File 27* SQL File 9*

Limit to 1000 rows

Result Grid

Filter Rows:

Export:

Wrap Cell Content:

134 SELECT 1

135 FROM IssueStatus I

136 WHERE I.Issued_cust = C.Customer_Id

137);

138

139

140 # 7 Display the branch numbers and the total count of employees in each branch.

141

142 • SELECT Branch_no, COUNT(*) AS Employee_Count

143 FROM Employee

144 GROUP BY Branch_no;

145

Branch_no	Employee_Count
1	2

Result 11

Read Only

Output

Action Output

#	Time	Action	Message	Duration / Fetch
✓ 24	20:25:49	SELECT Emp_name, Position FROM Employee WHERE Salary > 50000 LIMIT 0, 1000	1 row(s) returned	0.000 sec / 0.000 sec
✓ 25	20:28:52	SELECT B.Book_title, C.Customer_name FROM Books B JOIN IssueStatus I ON B.ISBN = I.Isbn_...	2 row(s) returned	0.000 sec / 0.000 sec
✓ 26	20:34:45	SELECT Category, COUNT(*) AS Total_Books FROM Books GROUP BY Category LIMIT 0, 1000	2 row(s) returned	0.015 sec / 0.000 sec
✓ 27	21:16:11	SELECT Emp_name, Position FROM Employee WHERE Salary > 50000 LIMIT 0, 1000	1 row(s) returned	0.094 sec / 0.000 sec
✓ 28	21:18:08	SELECT Customer_name FROM Customer C WHERE Reg_date < '2022-01-01' AND NOT EXIS...	0 row(s) returned	0.015 sec / 0.000 sec
✓ 29	21:19:04	SELECT Branch_no, COUNT(*) AS Employee_Count FROM Employee GROUP BY Branch_no LI...	1 row(s) returned	0.000 sec / 0.000 sec

Object Info

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33°C Haze

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Information

No object selected

Assingment_3* joints_unions* user defined function* ASSINGMENT_5* SQL File 24* SQL File 26* SQL File 27* SQL File 9*

Limit to 1000 rows

142

SELECT Branch_no, COUNT(*) AS Employee_Count

143

FROM Employee

144

GROUP BY Branch_no;

145

146

147

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

148

SELECT DISTINCT C.Customer_name

149

FROM Customer C

150

JOIN IssueStatus I ON C.Customer_Id = I.Issued_cust

151

WHERE MONTH(I.Issue_date) = 6 AND YEAR(I.Issue_date) = 2023;

152

153

154

Result Grid

Filter Rows:

Export:

Wrap Cell Content:

Result Grid

Form Editor

Read Only

	Customer_name
▶	Charlie Brown
	Daisy Green

Result 12

Output

Action Output

#	Time	Action	Message	Duration / Fetch
✓ 25	20:28:52	SELECT B.Book_title, C.Customer_name FROM Books B JOIN IssueStatus I ON B.ISBN = I.isbn_...	2 row(s) returned	0.000 sec / 0.000 sec
✓ 26	20:34:45	SELECT Category, COUNT(*) AS Total_Books FROM Books GROUP BY Category LIMIT 0, 1000	2 row(s) returned	0.015 sec / 0.000 sec
✓ 27	21:16:11	SELECT Emp_name, Position FROM Employee WHERE Salary > 50000 LIMIT 0, 1000	1 row(s) returned	0.094 sec / 0.000 sec
✓ 28	21:18:08	SELECT Customer_name FROM Customer C WHERE Reg_date < '2022-01-01' AND NOT EXIS...	0 row(s) returned	0.015 sec / 0.000 sec
✓ 29	21:19:04	SELECT Branch_no, COUNT(*) AS Employee_Count FROM Employee GROUP BY Branch_no LI...	1 row(s) returned	0.000 sec / 0.000 sec
✓ 30	21:26:59	SELECT DISTINCT C.Customer_name FROM Customer C JOIN IssueStatus I ON C.Customer_Id ...	2 row(s) returned	0.016 sec / 0.000 sec

Object Info

Session

33°C Haze

Search

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ENG IN

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MySQL Workbench

Local instance MySQL80 x

File Edit View Query Database Server Tools Scripting Help

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Assingment_3* joints_unions* user defined function* ASSINGMENT_5* SQL File 24* SQL File 26* SQL File 27* SQL File 9* x

Limit to 1000 rows

```
148 • SELECT DISTINCT C.Customer_name
149 FROM Customer C
150 JOIN IssueStatus I ON C.Customer_Id = I.Issued_cust
151 WHERE MONTH(I.Issue_date) = 6 AND YEAR(I.Issue_date) = 2023;
152
153
154 # 9. Retrieve book_title from the book table containing history.
155
156 • SELECT Book_title
157 FROM Books
158 WHERE Book_title LIKE '%history%';
159
```

Result Grid

Book_title
History of Ancient Civilizations

Books 14 x

Read Only

Output

Action Output

#	Time	Action	Message	Duration / Fetch
27	21:16:11	SELECT Emp_name, Position FROM Employee WHERE Salary > 50000 LIMIT 0, 1000	1 row(s) returned	0.094 sec / 0.000 sec
28	21:18:08	SELECT Customer_name FROM Customer C WHERE Reg_date < '2022-01-01' AND NOT EXIS...	0 row(s) returned	0.015 sec / 0.000 sec
29	21:19:04	SELECT Branch_no, COUNT(*) AS Employee_Count FROM Employee GROUP BY Branch_no LI...	1 row(s) returned	0.000 sec / 0.000 sec
30	21:26:59	SELECT DISTINCT C.Customer_name FROM Customer C JOIN IssueStatus I ON C.Customer_Id ...	2 row(s) returned	0.016 sec / 0.000 sec
31	21:38:58	SELECT Book_title FROM Books WHERE Book_title LIKE "%history%" LIMIT 0, 1000	1 row(s) returned	0.016 sec / 0.000 sec
32	21:39:24	SELECT Book_title FROM Books WHERE Book_title LIKE "%history%" LIMIT 0, 1000	1 row(s) returned	0.000 sec / 0.000 sec

Object Info Session

33°C Haze

Search

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```

155
156 • SELECT Book_title
157 FROM Books
158 WHERE Book_title LIKE '%history%';
159
160
161 #Retrieve the branch numbers along with the count of employees for branches having more than 5 employees.
162 • SELECT Branch_no, COUNT(*) AS Employee_Count
163 FROM Employee
164 GROUP BY Branch_no
165 HAVING COUNT(*) > 5;
166

```



Result Grid



Form Editor

Read Only

Result 15

Output

#	Time	Action	Message	Duration / Fetch
28	21:18:08	SELECT Customer_name FROM Customer C WHERE Reg_date < '2022-01-01' AND NOT EXIS...	0 row(s) returned	0.015 sec / 0.000 sec
29	21:19:04	SELECT Branch_no, COUNT(*) AS Employee_Count FROM Employee GROUP BY Branch_no LI...	1 row(s) returned	0.000 sec / 0.000 sec
30	21:26:59	SELECT DISTINCT C.Customer_name FROM Customer C JOIN IssueStatus I ON C.Customer_Id ...	2 row(s) returned	0.016 sec / 0.000 sec
31	21:38:58	SELECT Book_title FROM Books WHERE Book_title LIKE "%history%" LIMIT 0, 1000	1 row(s) returned	0.016 sec / 0.000 sec
32	21:39:24	SELECT Book_title FROM Books WHERE Book_title LIKE "%history%" LIMIT 0, 1000	1 row(s) returned	0.000 sec / 0.000 sec
33	21:46:21	SELECT Branch_no, COUNT(*) AS Employee_Count FROM Employee GROUP BY Branch_no H...	0 row(s) returned	0.016 sec / 0.000 sec

🔍 Filter objects

Administration Schemas

No object selected

Result Grid Filter Rows: Export: Wrap Cell Content:

Result
GridResult
Grid

Read Only

Output

Action Output

Object Info Session