

The screenshot shows the MySQL Workbench application window. In the top left, the title bar reads "MySQL Workbench" and "Local instance MySQL80 x". The menu bar includes File, Edit, View, Query, Database, Server, Tools, Scripting, Help. Below the menu is a toolbar with various icons. On the left, the Navigator pane shows the schema tree with "my\_guitar\_shop" selected. The central area is the "Query 1" editor containing the SQL script for creating the database and its tables. The right side has a "SQL Additions" pane with a message about context help being disabled. At the bottom, there's an "Output" pane showing the execution results of the queries, and a status bar at the very bottom.

Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

```
1 /*-----  
2 * This script creates the database named my_guitar_shop  
3 *-----*/  
4  
5 • DROP DATABASE IF EXISTS my_guitar_shop;  
6 • CREATE DATABASE my_guitar_shop;  
7 • USE my_guitar_shop;  
8  
9 -- create the tables for the database  
10 • CREATE TABLE categories (  
11     category_id      INT          PRIMARY KEY AUTO_INCREMENT,  
12     category_name    VARCHAR(255) NOT NULL, UNIQUE  
13 );  
14  
15 • CREATE TABLE products (  
16     product_id       INT          PRIMARY KEY AUTO_INCREMENT,  
17     category_id      INT          NOT NULL, UNIQUE  
18     product_code     VARCHAR(10)  NOT NULL,  
19     product_name     VARCHAR(255) NOT NULL,  
20     description      TEXT        NOT NULL,  
21     list_price       DECIMAL(10,2) NOT NULL,  
22     discount_percent DECIMAL(10,2) NOT NULL DEFAULT 0.00,  
23     date_added       DATETIME    DEFAULT NULL,  
24     CONSTRAINT products_fk_categories  
25         FOREIGN KEY (category_id)  
26             REFERENCES categories (category_id)  
27 );  
28  
29 • CREATE TABLE customers (  
30     customer_id      INT          PRIMARY KEY AUTO_INCREMENT,  
31     email_address     VARCHAR(255) NOT NULL, UNIQUE  
32 );  
33  
34 -- Inserting data into the tables  
35  
36 • INSERT INTO addresses(address_id, customer_id, line1, city, state, zip_code, phone, disabled) VALUES(1, 1, '100 East Ridgewood Ave.', 'Parsippany', 'NJ', '07054', '(973) 333-1234', 0);  
37 • INSERT INTO orders(order_id, customer_id, order_date, ship_amount, tax_amount, card_type, card_number, card_expires, card_cvv) VALUES(1, 1, '2023-09-15', 100.00, 10.00, 'VISA', '4111111111111111', '2026-09-15', '123');  
38 • INSERT INTO order_items(item_id, order_id, product_id, item_price, discount_amount, quantity) VALUES(1, 1, 1, 1, 1, 1);  
39 • INSERT INTO administrators(admin_id, email_address, password, first_name, last_name) VALUES(1, 'admin@myguitarshop.com', '$a7189bd76c237b...', 'Admin', 'MyGuitarShop');  
40 • CREATE USER IF NOT EXISTS mgs_user@localhost IDENTIFIED BY 'pa55word';  
41 • GRANT SELECT, INSERT, UPDATE, DELETE ON mgs.* TO mgs_user@localhost;
```

The screenshot shows the MySQL Workbench interface. The top menu bar includes File, Edit, View, Query, Database, Server, Tools, Scripting, Help, and a toolbar with various icons. The left sidebar displays the Navigator and Schemas (my\_guitar\_shop). The main workspace shows a SQL editor with two tabs: product\_details and product\_summary, and a selected tab for product\_statements. The SQL code is as follows:

```
1 •  SELECT product_name, list_price, date_added
2   FROM products
3   ORDER BY product_name;
4
5 •  SELECT COUNT(*) AS number_of_products,
6        MAX(list_price) AS most_expensive_product,
7        MIN(date_added) AS oldest_product
```

The Result Grid shows the output:

number_of_products	most_expensive_product	oldest_product
10	2517.00	2017-10-30 09:32:40

The bottom section shows the Output pane with an Action Output log and an Error message:

Action Output

- 22 01:23:14 FROM products
- 23 01:23:41 SELECT COUNT(\*) AS number\_of\_products FROM products LIMIT 0, 1000
- 24 01:27:00 SELECT product\_name, list\_price, date\_added FROM products ORDER BY product\_name LIMIT 0, 1000
- 25 01:27:29 SELECT COUNT(\*) AS number\_of\_products, MAX(list\_price) AS most\_expensive\_product, MIN(date\_added) AS oldest\_product FROM products
- 26 01:28:02 SELECT product\_name, list\_price, date\_added FROM products ORDER BY product\_name LIMIT 0, 1000
- 27 01:28:02 SELECT COUNT(\*) AS number\_of\_products, MAX(list\_price) AS most\_expensive\_product, MIN(date\_added) AS oldest\_product FROM products

Message

Error Code: 1064. You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near ... at line 1. 0 rows(s) returned 0.000 sec / 0.000 sec

Object Info and Session tabs are visible at the bottom.

MySQL Workbench

Local instance MySQL80 X

File Edit View Query Database Server Tools Scripting Help

Navigator: my\_guitar\_shop

SCHEMAS my\_guitar\_shop

Tables Views Stored Procedures Functions

sakila sys world

Query 1 > SELECT product\_name FROM products

Result Grid | Filter Rows: Export: Wrap Cell Content: □

Fender Stratocaster  
Gibson Les Paul  
Gibson SG  
Yamaha FG700S  
Washburn D10S  
Rodríguez Caballero 11  
Fender Precision  
Hofner Icon  
Ludwig 5-Piece Drum Set with Cymbals  
Tama 5-Piece Drum Set with Cymbals

Form Editor  
Field Types  
Query Stats  
Execution Plan

Administration Schemas Information

Schemas: my\_guitar\_shop

products 1 x

Output: Action Output

#	Time	Action	Message	Duration / Fetch
15	01/21/02	INSERT INTO order_items (order_id, customer_id, order_date, ship_amount, tax_amount, ship_address_id, card_type, card_number, card_expire...	9 row(s) affected Records: 9 Duplicates: 0 Warnings: 0	0.000 sec
16	01/21/02	INSERT INTO order_items (item_id, order_id, product_id, item_price, discount_amount, quantity) VALUES (1, 1, 2, 1199.00, '359.70, 1), (2, 2, 4, 489.9...	12 row(s) affected Records: 12 Duplicates: 0 Warnings: 0	0.000 sec
17	01/21/02	INSERT INTO administrators (admin_id, email_address, password, first_name, last_name) VALUES (1, 'admin@myguitarshop.com', '5a719bd768c2378...	3 row(s) affected Records: 3 Duplicates: 0 Warnings: 0	0.000 sec
18	01/21/02	CREATE USER IF NOT EXISTS mgs_user@localhost IDENTIFIED BY 'pa55word'	0 row(s) affected, 1 warning(s); 3163 Authorization ID 'mgs_user'@'localhost' already exists.	0.015 sec
19	01/21/02	GRANT SELECT, INSERT, UPDATE, DELETE ON mgs.* TO mgs_user@localhost	0 row(s) affected	0.000 sec
20	01/21/02	SELECT product_name FROM products LIMIT 0, 1000	10 row(s) returned	0.000 sec / 0.000 sec

Object Info Session

News for you Kamala Harris Le...

1:21 AM 9/15/2024

MySQL Workbench

Local instance MySQL80 X

File Edit View Query Database Server Tools Scripting Help

Navigator: my\_guitar\_shop

SCHEMAS my\_guitar\_shop

Tables Views Stored Procedures Functions

sakila sys world

Query 1 > SELECT product\_name FROM products

Result Grid | Filter Rows: Export: Wrap Cell Content: □

Fender Stratocaster  
Gibson Les Paul  
Gibson SG  
Yamaha FG700S  
Washburn D10S  
Rodríguez Caballero 11  
Fender Precision  
Hofner Icon  
Ludwig 5-Piece Drum Set with Cymbals  
Tama 5-Piece Drum Set with Cymbals

Form Editor  
Field Types  
Query Stats  
Execution Plan

Administration Schemas Information

Schemas: my\_guitar\_shop

products 1 x

Output: Action Output

#	Time	Action	Message	Duration / Fetch
16	01/21/02	INSERT INTO order_items (item_id, order_id, product_id, item_price, discount_amount, quantity) VALUES (1, 1, 2, 1199.00, '359.70, 1), (2, 2, 4, 489.9...	12 row(s) affected Records: 12 Duplicates: 0 Warnings: 0	0.000 sec
17	01/21/02	INSERT INTO administrators (admin_id, email_address, password, first_name, last_name) VALUES (1, 'admin@myguitarshop.com', '5a719bd768c2378...	3 row(s) affected Records: 3 Duplicates: 0 Warnings: 0	0.000 sec
18	01/21/02	CREATE USER IF NOT EXISTS mgs_user@localhost IDENTIFIED BY 'pa55word'	0 row(s) affected, 1 warning(s); 3163 Authorization ID 'mgs_user'@'localhost' already exists.	0.015 sec
19	01/21/02	GRANT SELECT, INSERT, UPDATE, DELETE ON mgs.* TO mgs_user@localhost	0 row(s) affected	0.000 sec
20	01/21/02	SELECT product_name FROM products LIMIT 0, 1000	10 row(s) returned	0.000 sec / 0.000 sec
21	01/21/02	SELECT product_name FROM products LIMIT 0, 1000	Error Code: 1054. Unknown column 'product_name' in field list'	0.000 sec

Object Info Session

News for you Kamala Harris Le...

1:21 AM 9/15/2024

MySQL Workbench

Local instance MySQL80 X

File Edit View Query Database Server Tools Scripting Help

Navigator: my\_guitar\_shop

SCHEMAS my\_guitar\_shop

Tables Views Stored Procedures Functions

sakila sys world

SQL File 4

```
1 • SELECT COUNT(*) AS number_of_products
2   FROM products
```

Result Grid | Filter Rows: Export: Wrap Cell Content: □

number\_of\_products

10

Result Grid Form Editor Field Types Query Stats Execution Plan

Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

Administration Schemas

Information Schema: my\_guitar\_shop

Result 1 x

Output

Action Output

#	Time	Action	Message	Duration / Fetch
18	01:21:02	CREATE USER IF NOT EXISTS mgs_user@localhost IDENTIFIED BY 'pa55word'	0 row(s) affected, 1 warning(s): 3163 Authorization ID 'mgs_user'@'localhost' already exists.	0.015 sec
19	01:21:02	GRANT SELECT, INSERT, UPDATE, DELETE ON mgs.* TO mgs_user@localhost	0 row(s) affected	0.000 sec
20	01:21:42	SELECT product_name FROM products LIMIT 0, 1000	10 row(s) returned	0.000 sec / 0.000 sec
21	01:21:56	SELECT product_name FROM products LIMIT 0, 1000	Error Code: 1054. Unknown column 'product_name' in field list'	0.000 sec
22	01:23:14	FROM products	Error Code: 1054. You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near 'FROM products' at line 1	0.000 sec
23	01:23:41	SELECT COUNT(*) AS number_of_products FROM products LIMIT 0, 1000	1 row(s) returned	0.000 sec / 0.000 sec

Object Info Session

News for you Kamala Harris Le... 1:23 AM 9/15/2024

MySQL Workbench

Local instance MySQL80 X

File Edit View Query Database Server Tools Scripting Help

Navigator: my\_guitar\_shop

SCHEMAS my\_guitar\_shop

Tables Views Stored Procedures Functions

sakila sys world

SQL File 4\* product\_details product\_summary

```
1 • SELECT COUNT(*) AS number_of_products,
2       MAX(list_price) AS most_expensive_product,
3       MIN(date_added) AS oldest_product
4   FROM products
```

Result Grid | Filter Rows: Export: Wrap Cell Content: □

number\_of\_products most\_expensive\_product oldest\_product

10 2517.00 2017-10-30 09:32:40

Result Grid Form Editor Field Types Query Stats Execution Plan

Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

Administration Schemas

Information Schema: my\_guitar\_shop

Result 1 x

Output

Action Output

#	Time	Action	Message	Duration / Fetch
20	01:21:42	SELECT product_name FROM products LIMIT 0, 1000	10 row(s) returned	0.000 sec / 0.000 sec
21	01:21:56	SELECT product_name FROM products LIMIT 0, 1000	Error Code: 1054. Unknown column 'product_name' in field list'	0.000 sec
22	01:23:14	FROM products	Error Code: 1054. You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near 'FROM products' at line 1	0.000 sec
23	01:23:41	SELECT COUNT(*) AS number_of_products FROM products LIMIT 0, 1000	1 row(s) returned	0.000 sec / 0.000 sec
24	01:27:00	SELECT product_name, list_price, date_added FROM products ORDER BY product_name LIMIT 0, 1000	10 row(s) returned	0.000 sec / 0.000 sec
25	01:27:29	SELECT COUNT(*) AS number_of_products, MAX(list_price) AS most_expensive_product, MIN(date_added) AS oldest_product FROM products	1 row(s) returned	0.000 sec / 0.000 sec

Object Info Session

64°F Clear 1:27 AM 9/15/2024

MySQL Workbench

Local instance MySQL80 X

File Edit View Query Database Server Tools Scripting Help

Navigator: SCHEMAS my\_guitar\_shop Tables Views Stored Procedures Functions sakila sys world

SQL File 4\* product\_details x

```
1 • SELECT product_name, list_price, date_added
2 FROM products
3 ORDER BY product_name
```

Result Grid | Filter Rows: Export: Wrap Cell Content: □

product_name	list_price	date_added
Fender Precision	799.99	2018-06-01 11:29:35
Fender Stratocaster	699.00	2017-10-30 09:32:40
Gibson Les Paul	1199.00	2017-12-05 16:33:13
Gibson SG	2517.00	2018-02-04 11:04:31
Hofner Icon	499.99	2018-07-30 14:18:33
Ludwig 5-piece Drum Set with Cymbals	699.99	2018-07-30 12:46:40
Rodríguez Caballero 11	415.00	2018-07-30 14:12:41
Tama 5-Piece Drum Set with Cymbals	799.99	2018-07-30 13:14:15
Washburn D10S	299.00	2018-07-30 13:58:35
Yamaha FG700S	489.99	2018-06-01 11:12:59

Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

Administration Schemas Information

Schemas: my\_guitar\_shop

products 1 x

Output

Action Output

#	Time	Action	Message	Duration / Fetch
19	01/21/02	GRANT SELECT, INSERT, UPDATE, DELETE ON mgs.* TO mgs_user@localhost	0 row(s) affected	0.000 sec
20	01/21/42	SELECT product_name FROM products LIMIT 0, 1000	10 row(s) returned	0.000 sec / 0.000 sec
21	01/21/56	SELECT product_name FROM products LIMIT 0, 1000	Error Code: 1054. Unknown column 'product_name' in field list*	0.000 sec
22	01/23/14	FROM products	Error Code: 1064. You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use ...	0.000 sec
23	01/23/41	SELECT COUNT(*) AS number_of_products FROM products LIMIT 0, 1000	1 row(s) returned	0.000 sec / 0.000 sec
24	01/27/00	SELECT product_name, list_price, date_added FROM products ORDER BY product_name LIMIT 0, 1000	10 row(s) returned	0.000 sec / 0.000 sec

Object Info Session

USD/JPY -0.68%

1:27 AM 9/15/2024

MySQL Workbench

Local instance MySQL80 X

File Edit View Query Database Server Tools Scripting Help

Navigator: SCHEMAS my\_guitar\_shop Tables Views Stored Procedures Functions sakila sys world

SQL File 6\* SQL File 7\* x

```
1 • SELECT product_name, list_price, date_added
2 FROM products
3 WHERE list_price between 501 and 1999
```

Result Grid | Filter Rows: Export: Wrap Cell Content: □

product_name	list_price	date_added
Fender Stratocaster	699.00	2017-10-30 09:32:40
Gibson Les Paul	1199.00	2017-12-05 16:33:13
Fender Precision	799.99	2018-06-01 11:29:35
Ludwig 5-piece Drum Set with Cymbals	699.99	2018-07-30 12:46:40
Tama 5-Piece Drum Set with Cymbals	799.99	2018-07-30 13:14:15

Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

Administration Schemas Information

Schemas: my\_guitar\_shop

products 2 x

Output

Action Output

#	Time	Action	Message	Duration / Fetch
23	01/59/19	SELECT Last_Name, First_Name FROM Customers WHERE last_Name between 'M' and 'Z' ORDER BY Last_Name, First_Name LIMIT 0, 1000	3 row(s) returned	0.000 sec / 0.000 sec
24	01/59/19	SELECT Last_Name, First_Name FROM Customers WHERE last_Name between 'M' and 'Z' ORDER BY Last_Name, First_Name LIMIT 0, 1000	3 row(s) returned	0.000 sec / 0.000 sec
25	01/59/20	SELECT Last_Name, First_Name FROM Customers WHERE last_Name between 'M' and 'Z' ORDER BY Last_Name, First_Name LIMIT 0, 1000	3 row(s) returned	0.000 sec / 0.000 sec
26	01/59/21	SELECT Last_Name, First_Name FROM Customers WHERE last_Name between 'M' and 'Z' ORDER BY Last_Name, First_Name LIMIT 0, 1000	3 row(s) returned	0.000 sec / 0.000 sec
27	02/03/43	SELECT product_name, list_price, date_added FROM products LIMIT 0, 1000	10 row(s) returned	0.000 sec / 0.000 sec
28	02/06/58	SELECT product_name, list_price, date_added FROM products WHERE list_price between 501 and 1999 LIMIT 0, 1000	5 row(s) returned	0.000 sec / 0.000 sec

Object Info Session

High pollen Today

2:07 AM 9/22/2024

MySQL Workbench

Local instance MySQL80 X

File Edit View Query Database Server Tools Scripting Help

Navigator: my\_guitar\_shop

SQL File 6 SQL File 7

```

1 • SELECT product_name, list_price, date_added
2   FROM products
3   WHERE list_price between 501 and 1999
4   ORDER BY date_added
    
```

Result Grid | Filter Rows: Export: Wrap Cell Content: □

product_name	list_price	date_added
Tama 5-Piece Drum Set with Cymbals	799.99	2018-07-30 13:14:15
Ludwig 5-piece Drum Set with Cymbals	699.99	2018-07-30 12:46:40
Fender Precision	799.99	2018-06-01 11:29:35
Gibson Les Paul	1199.00	2017-12-05 16:33:13
Fender Stratocaster	699.00	2017-10-30 09:32:40

Form Editor

Field Types

Query Stats

Execution Plan

Administration Schemas

Information

Schema: my\_guitar\_shop

products 3 x

Output

Action Output

#	Time	Action	Message	Duration / Fetch
24	01:59:19	SELECT Last_Name, First_Name FROM Customers WHERE last_Name between 'M' and 'Z' ORDER BY Last_Name, First_Name LIMIT 0, 1000	3 row(s) returned	0.000 sec / 0.000 sec
25	01:59:20	SELECT Last_Name, First_Name FROM Customers WHERE last_Name between 'M' and 'Z' ORDER BY Last_Name, First_Name LIMIT 0, 1000	3 row(s) returned	0.000 sec / 0.000 sec
26	01:59:21	SELECT Last_Name, First_Name FROM Customers WHERE last_Name between 'M' and 'Z' ORDER BY Last_Name, First_Name LIMIT 0, 1000	3 row(s) returned	0.000 sec / 0.000 sec
27	02:03:43	SELECT product_name, list_price, date_added FROM products LIMIT 0, 1000	10 row(s) returned	0.000 sec / 0.000 sec
28	02:06:58	SELECT product_name, list_price, date_added FROM products WHERE list_price between 501 and 1999 LIMIT 0, 1000	5 row(s) returned	0.000 sec / 0.000 sec
29	02:08:40	SELECT product_name, list_price, date_added FROM products WHERE list_price between 501 and 1999 ORDER BY date_added LIMIT 0, 1000	5 row(s) returned	0.000 sec / 0.000 sec

Object Info Session

51°F Light rain

2:09 AM 9/22/2024

MySQL Workbench

Local instance MySQL80 X

File Edit View Query Database Server Tools Scripting Help

Navigator: my\_guitar\_shop

SQL File 6

```

1 • SELECT product_code, product_name, list_price, discount_percent
2   FROM products
    
```

Result Grid | Filter Rows: Export: Wrap Cell Content: □

product_code	product_name	list_price	discount_percent
strat	Fender Stratocaster	699.00	30.00
les_paul	Gibson Les Paul	1199.00	30.00
sg	Gibson SG	2517.00	52.00
fg700s	Yamaha FG700S	489.99	38.00
washburn	Washburn D10S	299.00	0.00
rodriguez	Rodríguez Caballero 11	415.00	39.00
precision	Fender Precision	799.99	30.00
hohner	Hohner Icon	499.99	25.00
ludwig	Ludwig 5-piece Drum Set with Cymbals	699.99	30.00
tama	Tama 5-Piece Drum Set with Cymbals	799.99	15.00

Form Editor

Field Types

Query Stats

Execution Plan

Administration Schemas

Information

Schema: my\_guitar\_shop

products 1 x

Output

Action Output

#	Time	Action	Message	Duration / Fetch
7	01:23:01	SELECT ProductName LIMIT 0, 1000	Error Code: 1054. Unknown column 'ProductName' in field list'	0.000 sec
8	01:23:40	SELECT ProductName FROM products LIMIT 0, 1000	Error Code: 1054. Unknown column 'ProductName' in field list'	0.000 sec
9	01:31:16	SELECT product_code, product_name, list_price, discount_percent FROM ProductsTable LIMIT 0, 1000	Error Code: 1146. Table 'my_guitar_shop.productsTable' doesn't exist	0.000 sec
10	01:31:30	SELECT product_code, product_name, list_price, discount_percent FROM ProductsTable LIMIT 0, 1000	Error Code: 1146. Table 'my_guitar_shop.productsTable' doesn't exist	0.000 sec
11	01:31:51	SELECT product_code, product_name, list_price, discount_percent FROM products Table	Error Code: 1054. You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use ne...	0.000 sec
12	01:32:38	SELECT product_code, product_name, list_price, discount_percent FROM products LIMIT 0, 1000	10 row(s) returned	0.000 sec / 0.000 sec

Object Info Session

51°F Cloudy

1:33 AM 9/22/2024

MySQL Workbench

Local instance MySQL80 X

File Edit View Query Database Server Tools Scripting Help

Navigator: SCHEMAS my\_guitar\_shop Tables Views Stored Procedures Functions sakila sys world

SQL File 6 > Limit to 1000 rows

```
1 select last_name, first_name
2 from customers
```

Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

Result Grid | Filter Rows: Export: Wrap Cell Content: □

last_name	first_name
Sherwood	Alan
Zimmer	Berry
Brown	Christine
Goldstein	David
Valentino	Erin
Wilson	Frank Lee
Hernandez	Gary
Esway	Heather

Form Editor Field Types Query Stats Execution Plan

Administration Schemas Information

Schema: my\_guitar\_shop

customers 3 x Read Only Context Help Snippets

Action Output

#	Time	Action	Message	Duration / Fetch
11	01:31:51	SELECT product_code,product_name,list_price,discount_percent FROM products Table	Error Code: 1054. You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near 'product_code,product_name,list_price,discount_percent FROM products Table' at line 1	0.000 sec
12	01:32:38	SELECT product_code,product_name,list_price,discount_percent FROM products LIMIT 0, 1000	10 row(s) returned	0.000 sec / 0.000 sec
13	01:40:44	SELECT Doe, John FROM customers LIMIT 0, 1000	Error Code: 1054. Unknown column 'Doe' in field list	0.016 sec
14	01:42:26	SELECT last_name, first_name FROM customers LIMIT 0, 1000	8 row(s) returned	0.000 sec / 0.000 sec
15	01:53:37	SELECT LastName + ',' + FirstName FROM Customers WHERE LastName LIKE '[M-Z]%' ORDER BY LastName,FirstName LIMIT 0, 1000	Error Code: 1054. Unknown column 'LastName' in field list	0.000 sec
16	01:55:18	select last_name, first_name from customers LIMIT 0, 1000	8 row(s) returned	0.000 sec / 0.000 sec

Object Info Session 51°F Cloudy 1:55 AM 9/22/2024

MySQL Workbench

Local instance MySQL80 X

File Edit View Query Database Server Tools Scripting Help

Navigator: SCHEMAS my\_guitar\_shop Tables Views Stored Procedures Functions sakila sys world

SQL File 6 > Limit to 1000 rows

```
1 • SELECT Last_Name, First_Name
2 FROM Customers
3 WHERE Last_Name between 'M' and 'Z'
4 ORDER BY Last_Name, First_Name
```

Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

Result Grid | Filter Rows: Export: Wrap Cell Content: □

Last_Name	First_Name
Sherwood	Alan
Valentino	Erin
Wilson	Frank Lee

Form Editor Field Types Query Stats Execution Plan

Administration Schemas Information

Schema: my\_guitar\_shop

Customers 10 x Read Only Context Help Snippets

Action Output

#	Time	Action	Message	Duration / Fetch
19	01:57:40	SELECT Last_Name, First_Name FROM Customers WHERE last_Name between 'M' and 'Z' ORDER BY Last_Name, FirstName LIMIT 0, 1000	Error Code: 1054. Unknown column 'FirstName' in 'order clause'	0.000 sec
20	01:57:57	SELECT Last_Name, First_Name FROM Customers WHERE last_Name between 'M' and 'Z' ORDER BY Last_Name, FirstName LIMIT 0, 1000	3 row(s) returned	0.015 sec / 0.000 sec
21	01:58:16	SELECT Last_Name, First_Name FROM Customers WHERE last_Name between 'M' and 'Z' LIMIT 0, 1000	3 row(s) returned	0.000 sec / 0.000 sec
22	01:58:53	SELECT Last_Name, First_Name FROM Customers WHERE last_Name between 'M' and 'Z' ORDER BY Last_Name, FirstName LIMIT 0, 1000	3 row(s) returned	0.000 sec / 0.000 sec
23	01:59:19	SELECT Last_Name, First_Name FROM Customers WHERE last_Name between 'M' and 'Z' ORDER BY Last_Name, FirstName LIMIT 0, 1000	3 row(s) returned	0.000 sec / 0.000 sec
24	01:59:19	SELECT Last_Name, First_Name FROM Customers WHERE last_Name between 'M' and 'Z' ORDER BY Last_Name, FirstName LIMIT 0, 1000	3 row(s) returned	0.000 sec / 0.000 sec

Object Info Session USD/JPY +0.90% 1:59 AM 9/22/2024

MySQL Workbench

Local instance MySQL80 X

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS my\_guitar\_shop

Tables Views Stored Procedures Functions

sakila sys world

SQL File 4\* SQL File 5\* SQL File 6\* SQL File 7\* SQL File 8\* SQL File 9\* x

Limit to 1000 rows

Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

```

3   c.first_name,
4   o.order_date,
5   p.product_name,
6   oi.item_price,
7   oi.discount_amount,
8   oi.quantity
9
10  FROM
11    Customers AS c
12  INNER JOIN
13    Orders AS o ON c.customer_id = o.customer_id
14  INNER JOIN
15    Order_Items AS oi ON o.order_id = oi.order_id
16  INNER JOIN
17    Products AS p ON oi.product_id = p.product_id
18  ORDER BY
19    c.last_name, o.order_date, p.product_name;

```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: | Result Grid | Form Editor | Field Types | Query Editor

last_name	first_name	order_date	product_name	item_price	discount_amount	quantity
Brown	Christine	2018-03-30 15:21:31	Gibson Les Paul	1199.00	359.70	2
Goldstein	David	2018-03-30 15:21:31	Washburn D105	299.00	0.00	1
Goldstein	David	2018-04-23 12:25:31	Fender Stratocaster	699.00	209.70	1
Hernandez	Gary	2018-04-23 11:26:38	Tama 5-Piece Drum Set with Cymbals	799.99	120.00	1
Sherwood	Allan	2018-03-29 09:40:28	Gibson Les Paul	1199.00	359.70	1
Sherwood	Allan	2018-03-29 09:44:58	Gibson SG	2517.00	1308.84	1
Sherwood	Allan	2018-03-29 09:44:58	Rodriguez Caballero 11	415.00	161.85	1
Valentino	Erin	2018-03-31 10:37:22	Washburn D105	299.00	0.00	1
Wilson	Frank Lee	2018-04-01 23:11:12	Fender Precision	799.99	240.00	1
Wilson	Frank Lee	2018-04-01 23:11:12	Fender Stratocaster	699.00	209.70	1
Wilson	Frank Lee	2018-04-01 23:11:12	Ludwig 5-piece Drum Set with Cymbals	699.99	210.00	1
Zimmer	Barry	2018-03-28 11:23:20	Yamaha FG700S	489.99	186.20	1

Result 1 x

Output

Action Output

#	Time	Action	Message	Duration / Fetch
25	22:17:04	SELECT c.first_name, c.last_name, a.line1, a.city, a.state, a.zip_code FROM Customers c INNER JOIN Addresses a ON c.customer_id = a.customer_id	Error Code: 1054. Unknown column 'a.shipping_address_id' in 'where clause'	0.000 sec
26	22:17:28	SELECT c.first_name, c.last_name, a.line1, a.city, a.state, a.zip_code FROM Customers c INNER JOIN Addresses a ON c.customer_id = a.customer_id	12 row(s) returned	0.000 sec / 0.000 sec
27	22:19:35	SELECT c.first_name, c.last_name, a.line1, a.city, a.state, a.zip_code FROM Customers c INNER JOIN Addresses a ON c.customer_id = a.customer_id	8 row(s) returned	0.000 sec / 0.000 sec
28	22:23:21	SELECT c.first_name, c.last_name, a.line1, a.city, a.state, a.zip_code FROM Customers c JOIN Addresses a ON c.customer_id = a.customer_id AND c.shipping_address_id = a.address_id	8 row(s) returned	0.000 sec / 0.000 sec
29	22:24:05	SELECT c.first_name, c.last_name, a.line1, a.city, a.state, a.zip_code FROM Customers c JOIN Addresses a ON c.customer_id = a.customer_id AND c.shipping_address_id = a.address_id	8 row(s) returned	0.016 sec / 0.000 sec
30	22:34:55	SELECT c.last_name, c.first_name, o.order_date, p.product_name, oi.item_price, oi.discount_amount, oi.quantity FROM Customers c INNER JOIN Orders o ON c.customer_id = o.customer_id INNER JOIN Order_Items oi ON o.order_id = oi.order_id INNER JOIN Products p ON oi.product_id = p.product_id WHERE c.last_name = 'Sherwood' AND c.first_name = 'Allan' AND o.order_date > '2018-03-28 11:23:20' AND p.product_name = 'Gibson Les Paul'	12 row(s) returned	0.000 sec / 0.000 sec

Object Info Session

72°F Partly cloudy

10:35 PM 9/29/2024

MySQL Workbench

Local instance MySQL80 X

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS my\_guitar\_shop

Tables Views Stored Procedures Functions

sakila sys world

SQL File 4\* SQL File 5\* SQL File 6\* SQL File 7\* SQL File 8\* SQL File 9\* x

Limit to 1000 rows

Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

```

1 * SELECT c.first_name, c.last_name, a.line1, a.city, a.state, a.zip_code
2   FROM customers c
3   JOIN addresses a
4     ON c.customer_id = a.customer_id
5     AND c.shipping_address_id = a.address_id

```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: | Result Grid | Form Editor | Field Types | Query Editor

first_name	last_name	line1	city	state	zip_code
Allan	Sherwood	100 East Ridgewood Ave.	Paramus	NJ	07652
Barry	Zimmer	123 Main Street	Omaha	NE	68133
Christine	Brown	1270 North Court Rd.	Seattle	WA	98105
David	Goldstein	186 Vermont St.	San Francisco	CA	94110
Erin	Valentino	6982 Palm Ave.	Fresno	CA	93711
Frank Lee	Wilson	23 Mountain View St.	Denver	CO	80208
Gary	Hernandez	7361 N. 41st St.	New York	NY	10012
Heather	Esway	2381 Buena Vista St.	Los Angeles	CA	90023

Result 3 x

Output

Action Output

#	Time	Action	Message	Duration / Fetch
24	22:16:02	SELECT c.first_name, c.last_name, a.line1, a.city, a.state, a.zip_code FROM Customers c INNER JOIN Addresses a ON c.customer_id = a.customer_id	Error Code: 1054. Unknown column 'a.shipping_address_id' in 'where clause'	0.000 sec
25	22:17:04	SELECT c.first_name, c.last_name, a.line1, a.city, a.state, a.zip_code FROM Customers c INNER JOIN Addresses a ON c.customer_id = a.customer_id	Error Code: 1054. Unknown column 'a.shipping_address_id' in 'where clause'	0.000 sec
26	22:17:28	SELECT c.first_name, c.last_name, a.line1, a.city, a.state, a.zip_code FROM Customers c INNER JOIN Addresses a ON c.customer_id = a.customer_id	12 row(s) returned	0.000 sec / 0.000 sec
27	22:19:35	SELECT c.first_name, c.last_name, a.line1, a.city, a.state, a.zip_code FROM Customers c INNER JOIN Addresses a ON c.customer_id = a.customer_id	8 row(s) returned	0.000 sec / 0.000 sec
28	22:23:21	SELECT c.first_name, c.last_name, a.line1, a.city, a.state, a.zip_code FROM Customers c JOIN Addresses a ON c.customer_id = a.customer_id AND c.shipping_address_id = a.address_id	8 row(s) returned	0.000 sec / 0.000 sec
29	22:24:05	SELECT c.first_name, c.last_name, a.line1, a.city, a.state, a.zip_code FROM Customers c JOIN Addresses a ON c.customer_id = a.customer_id AND c.shipping_address_id = a.address_id	8 row(s) returned	0.016 sec / 0.000 sec

Object Info Session

BUF - BAL Game score

10:24 PM 9/29/2024

MySQL Workbench

Local instance MySQL80 X

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

my\_guitar\_shop

- Tables
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sys

world

SQL File 4\* x SQL File 5\*

```

1 • SELECT
2     c.first_name,
3     c.last_name,
4     a.line1,
5     a.city,
6     a.state,
7     a.zip_code
8
9     FROM
10    Customers c
11   INNER JOIN
12      Addresses a ON c.customer_id = a.customer_id
13   WHERE
14     c.email_address = 'allan.sherwood@yahoo.com';

```

Result Grid | Filter Rows: Export: Wrap Cell Content: Result Grid Form Editor Field Types Query Stats

first_name	last_name	line1	city	state	zip_code
Allan	Sherwood	100 East Ridgewood Ave.	Paramus	NJ	07652
Allan	Sherwood	21 Rosewood Rd.	Woodcliff Lake	NJ	07677

Administration Schemas Information

Schema: my\_guitar\_shop

Result 7 x

Output

Action Output

#	Time	Action	Message	Duration / Fetch
15	22:08:18	SELECT c.first_name, c.last_name, a.line1, a.city, a.state, a.zip_code FROM Customers c INNER JOIN Addresses a ON c.customer_id = a.customer_id WHERE c.email_address = 'allan.sherwood@yahoo.com'	Error Code: 1054. Unknown column 'c.customer_email' in 'where clause'	0.000 sec
16	22:08:28	SELECT c.first_name, c.last_name, a.line1, a.city, a.state, a.zip_code FROM Customers c INNER JOIN Addresses a ON c.customer_id = a.customer_id WHERE c.email_address = 'allan.sherwood@yahoo.com'	Error Code: 1054. Unknown column 'customer_email' in 'where clause'	0.000 sec
17	22:08:37	SELECT c.first_name, c.last_name, a.line1, a.city, a.state, a.zip_code FROM Customers c INNER JOIN Addresses a ON c.customer_id = a.customer_id WHERE c.email_address = 'allan.sherwood@yahoo.com'	Error Code: 1054. Unknown column 'c.email' in 'where clause'	0.000 sec
18	22:09:47	SELECT * FROM Customers WHERE email = 'allan.sherwood@yahoo.com' LIMIT 0, 1000	Error Code: 1054. Unknown column 'email' in 'where clause'	0.000 sec
19	22:10:28	SHOW COLUMNS FROM Customers	7 row(s) returned	0.000 sec / 0.000 sec
20	22:11:06	SELECT c.first_name, c.last_name, a.line1, a.city, a.state, a.zip_code FROM Customers c INNER JOIN Addresses a ON c.customer_id = a.customer_id WHERE c.email_address = 'allan.sherwood@yahoo.com'	2 row(s) returned	0.000 sec / 0.000 sec

Object Info Session

73° Partly cloudy 10:11 PM 9/29/2024

MySQL Workbench

Local instance MySQL80 X

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

my\_guitar\_shop

- Tables
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sakila

sys

world

SQL File 4\* x SQL File 2\*

```

1 • SELECT Categories.category_name, Products.product_name, Products.list_price
2
3   FROM Categories
4   JOIN Products ON Categories.category_id = Products.category_id
5
6   ORDER BY Categories.category_name ASC, Products.product_name ASC;

```

Result Grid | Filter Rows: Export: Wrap Cell Content: Result Grid Form Editor Field Types Query Stats

category_name	product_name	list_price
Basses	Fender Precision	799.99
Basses	Hohner Icon	499.99
Drums	Ludwig 5-Piece Drum Set with Cymbals	699.99
Drums	Tama 5-Piece Drum Set with Cymbals	799.99
Guitars	Fender Stratocaster	699.00
Guitars	Gibson Les Paul	1199.00
Guitars	Gibson SG	2517.00
Guitars	Rodríguez Caballero 11	415.00
Guitars	Washburn D10S	299.00
Guitars	Yamaha FG700S	489.99

Administration Schemas Information

No object selected

Result 2 x

Output

Action Output

#	Time	Action	Message	Duration / Fetch
1	21:54:43	SELECT Categories.category_name, Products.product_name, Products.list_price FROM Categories JOIN Products ON Categories.category_id = Products.category_id	10 row(s) returned	0.000 sec / 0.000 sec
2	21:57:14	SELECT Categories.category_name, Products.product_name, Products.list_price FROM Categories JOIN Products ON Categories.category_id = Products.category_id	10 row(s) returned	0.000 sec / 0.000 sec

Object Info Session

Temp to plum... Tomorrow 9:57 PM 9/29/2024

MySQL Workbench

Local instance MySQL80 X

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

my\_guitar\_shop

Tables Views Stored Procedures Functions

sakila sys world

SQL File 8\* X

1 • INSERT INTO Categories (category\_name)  
2 VALUES ('Brass')  
3 ON DUPLICATE KEY UPDATE category\_name = 'Brass';

SQL Additions

Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

Administration Schemas

Information

Schema: my\_guitar\_shop

Object Info Session

58°F Clear

11:58 PM 10/5/2024

Output

Action Output

#	Time	Action	Message	Duration / Fetch
1	23:57:29	INSERT INTO Categories (category_name) VALUES ('Brass')	Error Code: 1062. Duplicate entry 'Brass' for key 'categories.category_name'	0.000 sec
2	23:58:00	INSERT INTO Categories (category_name) VALUES ('Brass')	Error Code: 1062. Duplicate entry 'Brass' for key 'categories.category_name'	0.016 sec
3	23:58:52	INSERT INTO Categories (category_name) VALUES ('Brass') ON DUPLICATE KEY UPDATE category_name = 'Brass'	0 row(s) affected	0.000 sec

Context Help Snippets

MySQL Workbench

Local instance MySQL80 X

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

my\_guitar\_shop

Tables Views Stored Procedures Functions

sakila sys world

SQL File 8\* X

1 • INSERT INTO Categories (category\_name)  
2 VALUES ('Brass')  
3 ON DUPLICATE KEY UPDATE category\_name = 'Brass';

SQL Additions

Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

Administration Schemas

Information

Schema: my\_guitar\_shop

Object Info Session

58°F Clear

11:58 PM 10/5/2024

Output

Action Output

#	Time	Action	Message	Duration / Fetch
1	23:57:29	INSERT INTO Categories (category_name) VALUES ('Brass')	Error Code: 1062. Duplicate entry 'Brass' for key 'categories.category_name'	0.000 sec
2	23:58:00	INSERT INTO Categories (category_name) VALUES ('Brass')	Error Code: 1062. Duplicate entry 'Brass' for key 'categories.category_name'	0.016 sec
3	23:58:52	INSERT INTO Categories (category_name) VALUES ('Brass') ON DUPLICATE KEY UPDATE category_name = 'Brass'	0 row(s) affected	0.000 sec

Context Help Snippets

MySQL Workbench

Local instance MySQL80 X

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

my\_guitar\_shop

Tables Views Stored Procedures Functions

sakila sys world

SQL File 11\* SQL File 12\*

```
1 • DELETE FROM Categories
2 WHERE category_id = 5;
3 • SELECT * FROM Categories;
```

Result Grid

category_id	category_name
2	Basses
3	Drums
1	Guitars
4	Keyboards
NULL	

Administration Schemas

Information

Schema: my\_guitar\_shop

Categories 3 x

Action Output

#	Time	Action	Message	Duration / Fetch
13	00:45:53	SELECT * FROM Categories WHERE category_name = 'Brass' LIMIT 0, 1000	1 row(s) returned	0.000 sec / 0.000 sec
14	00:47:27	UPDATE Categories SET category_name = 'Woodwinds' WHERE category_id = 5	1 row(s) affected Rows matched: 1 Changed: 1 Warnings: 0	0.016 sec
15	00:47:42	UPDATE Categories SET category_name = 'Woodwinds' WHERE category_id = 5	0 row(s) affected Rows matched: 1 Changed: 0 Warnings: 0	0.000 sec
16	00:47:42	SELECT * FROM Categories LIMIT 0, 1000	5 row(s) returned	0.000 sec / 0.000 sec
17	00:49:34	DELETE FROM Categories WHERE category_id = 5	1 row(s) affected	0.016 sec
18	00:49:34	SELECT * FROM Categories LIMIT 0, 1000	4 row(s) returned	0.000 sec / 0.000 sec

Object Info Session

56°F Clear 12:49 AM 10/6/2024

MySQL Workbench

Local instance MySQL80 X

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

my\_guitar\_shop

Tables Views Stored Procedures Functions

sakila sys world

SQL File 11\* SQL File 12\*

```
1 • UPDATE Products
2 SET category_id = 4,
3 product_name = 'Yamaha DGX 640 88-Key Digital Piano',
4 description = 'Long description to come.',
5 list_price = 799.99,
6 discount_percent = 0,
7 date_added = NOW()
8 WHERE product_code = 'dgx_640';
```

Result Grid

product_id	product_name	list_price	discount_percent	date_added
29	Yamaha DGX 640 88-Key Digital Piano	799.99	0	2024-10-06 10:06:57

Administration Schemas

Information

Schema: my\_guitar\_shop

Products 1 x

Action Output

#	Time	Action	Message	Duration / Fetch
29	01:06:57	UPDATE Products SET category_id = 4, product_name = 'Yamaha DGX 640 88-Key Digital Piano', description = 'Long description to come.', list_price = 799.99, discount_percent = 0, date_added = NOW()	1 row(s) affected Rows matched: 1 Changed: 1 Warnings: 0	0.016 sec
30	01:06:57	SELECT * FROM Products WHERE product_code = 'dgx_640' LIMIT 0, 1000	0 row(s) returned	0.000 sec / 0.000 sec
31	01:07:15	UPDATE Products SET category_id = 4, product_name = 'Yamaha DGX 640 88-Key Digital Piano', description = 'Long description to come.'	1 row(s) affected Rows matched: 1 Changed: 1 Warnings: 0	0.016 sec
32	01:07:15	SELECT * FROM Products WHERE product_code = 'Yamaha DGX 640 88-Key Digital Piano' LIMIT 0, 1000	0 row(s) returned	0.000 sec / 0.000 sec
33	01:08:38	INSERT INTO products VALUES (DEFAULT, 4, 'dgx_640', 'Yamaha DGX 640 88-Key Digital Piano', 'To be added later', 799.99, 0, NOW())	Error Code: 1062: Duplicate entry 'dgx_640' for key 'products.product_code'	0.000 sec
34	01:09:24	UPDATE Products SET category_id = 4, product_name = 'Yamaha DGX 640 88-Key Digital Piano', description = 'Long description to come.'	1 row(s) affected Rows matched: 1 Changed: 1 Warnings: 0	0.000 sec

Object Info Session

56°F Clear 1:09 AM 10/6/2024

MySQL Workbench

Local instance MySQL80 X

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

my\_guitar\_shop

Tables Views Stored Procedures Functions

sakila sys world

SQL File 10\* SQL File 10\*

```
1 • INSERT INTO Categories (category_name)
2   VALUES ('Brass')
3   ON DUPLICATE KEY UPDATE category_name = 'Brass';
4 • SELECT * FROM Categories;
```

Result Grid

category_id	category_name
2	Basses
5	Brass
3	Drums
1	Guitars
4	Keyboards
*	NULL

Administration Schemas

Information

Schema: my\_guitar\_shop

Categories 2 x

Output

Action Output

#	Time	Action	Message	Duration / Fetch
1	00:02:49	INSERT INTO Categories (category_name) VALUES ('Brass') ON DUPLICATE KEY UPDATE category_name = 'Brass'	0 rows affected	0.000 sec
2	00:02:49	SELECT * FROM Categories LIMIT 0, 1000	5 rows returned	0.015 sec / 0.000 sec

Object Info Session

USD/EUR +0.49%

12:02 AM 10/6/2024

This screenshot shows the MySQL Workbench interface. In the top-left, the 'my\_guitar\_shop' schema is selected. The 'SQL File 10\*' tab contains a single SQL statement to insert a new category named 'Brass'. After executing the query, the 'Result Grid' shows the updated list of categories, including 'Brass' at category\_id 5. The 'Categories 2 x' tab in the bottom-left shows the results of a SELECT query. The 'Action Output' section in the bottom-right lists the executed statements with their execution times and affected rows.

MySQL Workbench

Local instance MySQL80 X

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

my\_guitar\_shop

Tables Views Stored Procedures Functions

sakila sys world

SQL File 11\* SQL File 12\*

```
1 • UPDATE Categories
2   SET category_name = 'Woodwinds'
3   WHERE category_id = 5;
4 • SELECT * FROM Categories;
```

Result Grid

category_id	category_name
2	Basses
3	Drums
1	Guitars
4	Keyboards
5	Woodwinds
*	NULL

Administration Schemas

Information

Schema: my\_guitar\_shop

Categories 2 x

Output

Action Output

#	Time	Action	Message	Duration / Fetch
11	00:46:29	INSERT INTO Categories (category_name) VALUES ('Brass') ON DUPLICATE KEY UPDATE category_name = 'Brass'	0 rows affected	0.015 sec
12	00:46:53	INSERT INTO Categories (category_name) VALUES ('Brass') ON DUPLICATE KEY UPDATE category_name = 'Brass'	0 rows affected	0.000 sec
13	00:46:53	SELECT * FROM Categories WHERE category_name = 'Brass' LIMIT 0, 1000	1 row(s) returned	0.000 sec / 0.000 sec
14	00:47:27	UPDATE Categories SET category_name = 'Woodwinds' WHERE category_id = 5	1 row(s) affected Rows matched: 1 Changed: 1 Warnings: 0	0.016 sec
15	00:47:42	UPDATE Categories SET category_name = 'Woodwinds' WHERE category_id = 5	0 row(s) affected Rows matched: 1 Changed: 0 Warnings: 0	0.000 sec
16	00:47:42	SELECT * FROM Categories LIMIT 0, 1000	5 row(s) returned	0.000 sec / 0.000 sec

Object Info Session

58°F Clear

12:47 AM 10/6/2024

This screenshot shows the MySQL Workbench interface. The 'my\_guitar\_shop' schema is selected. The 'SQL File 11\*' tab contains an UPDATE statement to change the category name from 'Brass' to 'Woodwinds' for category\_id 5. The 'Result Grid' shows the updated list of categories, with 'Woodwinds' now at category\_id 5. The 'Categories 2 x' tab shows the results of a SELECT query. The 'Action Output' section lists the executed statements and their details, including execution times and affected rows.

MySQL Workbench

Local instance MySQL80 X

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

my\_guitar\_shop

- Tables
- Views
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sakila

sys

world

SQL File 5\*

```
1 • SELECT
2     category_id,
3     COUNT(*) AS number_of_products,
4     MIN(product_id) AS first_product_id,
5     MAX(product_id) AS last_product_id
6   FROM products
7  GROUP BY category_id
8  HAVING COUNT(*) > 100
9  ORDER BY number_of_products DESC, category_id ASC
10 LIMIT 10;
```

Result Grid

category_id	number_of_products	first_product_id	last_product_id

SQL Additions

Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

Administration Schemas

No object selected

Object Info Session

63°F Mostly clear

7:41 PM 10/11/2024

MySQL Workbench

Local instance MySQL80 X

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

my\_guitar\_shop

- Tables
- Views
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- Functions

sakila

sys

world

SQL File 5\* SQL File 6\*

```
1 • SELECT
2     category_id,
3     COUNT(*) AS number_of_products,
4     MAX(list_price) AS max_price
5   FROM products
6  GROUP BY category_id
7  HAVING max_price < 1000
8  LIMIT 10;
```

Result Grid

category_id	number_of_products	max_price
2	2	799.99
3	2	799.99
4	1	799.99

SQL Additions

Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

Administration Schemas

No object selected

Object Info Session

63°F Mostly clear

7:48 PM 10/11/2024

MySQL Workbench

Local instance MySQL80 X

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

my\_guitar\_shop

- Tables
- Views
- Stored Procedures
- Functions

sakila

sys

world

SQL File 4\*

```
1 • SELECT
2     COUNT(*) AS order_count,
3     SUM(tax_amount) AS total_tax
4
5 FROM
6     Orders;
```

Result Grid

order_count	total_tax
9	122.24

SQL Additions

Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

Administration Schemas

Information

Schema: my\_guitar\_shop

Object Info Session

58°F Partly cloudy

12:50 AM 10/13/2024

MySQL Workbench

Local instance MySQL80 X

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

my\_guitar\_shop

- Tables
- Views
- Stored Procedures
- Functions

sakila

sys

world

SQL File 4\*

```
1 • SELECT
2     c.category_name,
3     COUNT(p.product_id) AS product_count,
4     MAX(p.list_price) AS most_expensive_price
5
6 FROM
7     Categories c
8     JOIN
9     Products p ON c.category_id = p.category_id
10    GROUP BY
11        c.category_name
12    ORDER BY
13        product_count DESC;
```

Result Grid

category_name	product_count	most_expensive_price
Guitars	6	2517.00
Basses	2	799.99
Drums	2	799.99
Keyboards	1	799.99

SQL Additions

Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

Administration Schemas

Information

Schema: my\_guitar\_shop

Object Info Session

58°F Partly cloudy

12:54 AM 10/13/2024

MySQL Workbench

Local instance MySQL80 X

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS my\_guitar\_shop

Tables Views Stored Procedures Functions

sakila sys world

SQL File 4 x

```

1 • SELECT
2   c.email_address,
3   SUM(oi.item_price * oi.quantity) AS total_item_price,
4   SUM(oi.discount_amount * oi.quantity) AS total_discount
5   FROM
6     Customers c
7   JOIN
8     Orders o ON c.customer_id = o.customer_id
9   JOIN
10    Order_Items oi ON o.order_id = oi.order_id
11   GROUP BY
12   c.email_address
13   ORDER BY
14     total_item_price DESC;

```

Result Grid | Filter Rows: Export: Wrap Cell Contents: Result Grid Form Editor Field Types Query Stats

email_address	total_item_price	total_discount
alan.sherwood@yahoo.com	4131.00	1830.39
franklinson@global.net	2398.00	719.40
david.goldstein@hotmail.com	1218.98	670.70
gary.bernarde@yahoo.com	988.00	209.70
barry@gmail.com	799.99	120.00
erinv@gmail.com	489.99	186.20
erinv@gmail.com	259.00	0.00

Administration Schemas Information

Schema: my\_guitar\_shop

Object Info Session

58°F Partly cloudy

Result 3 x

Output

Action Output

#	Time	Action	Message	Duration / Fetch
1	00:50:46	SELECT COUNT() AS order_count, SUM(tax_amount) AS total_tax FROM Orders LIMIT 0, 1000	1 row(s) returned	0.000 sec / 0.000 sec
2	00:54:27	SELECT c.category_name, COUNT(p.product_id) AS product_count, MAX(p.list_price) AS most_expensive_price FROM Categories c JOIN Product p ON c.category_id = p.category_id	4 row(s) returned	0.000 sec / 0.000 sec
3	01:02:01	SELECT c.email_address, SUM(oi.item_price * oi.quantity) AS total_item_price, SUM(oi.discount_amount * oi.quantity) AS total_discount FROM Order_Items oi JOIN Orders o ON o.order_id = oi.order_id GROUP BY c.email_address	7 row(s) returned	0.016 sec / 0.000 sec

1:02 AM 10/13/2024

MySQL Workbench

Local instance MySQL80 X

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS my\_guitar\_shop

Tables Views Stored Procedures Functions

sakila sys world

SQL File 4 x

```

1 • SELECT
2   c.email_address,
3   COUNT(o.order_id) AS order_count,
4   SUM((oi.item_price - oi.discount_amount) * oi.quantity) AS total_amount
5   FROM
6     Customers c
7   JOIN
8     Orders o ON c.customer_id = o.customer_id
9   JOIN
10    Order_Items oi ON o.order_id = oi.order_id
11   GROUP BY
12   c.email_address
13   HAVING
14   COUNT(o.order_id) > 1
15   ORDER BY
16     total_amount DESC;
17

```

Result Grid | Filter Rows: Export: Wrap Cell Contents: Result Grid Form Editor Field Types Query Stats

email_address	order_count	total_amount
alan.sherwood@yahoo.com	3	2300.61
franklinson@global.net	3	1539.28
david.goldstein@hotmail.com	2	788.30

Administration Schemas Information

Schema: my\_guitar\_shop

Object Info Session

58°F Partly cloudy

Result 4 x

Output

Action Output

#	Time	Action	Message	Duration / Fetch
1	00:50:46	SELECT COUNT() AS order_count, SUM(tax_amount) AS total_tax FROM Orders LIMIT 0, 1000	1 row(s) returned	0.000 sec / 0.000 sec
2	00:54:27	SELECT c.category_name, COUNT(p.product_id) AS product_count, MAX(p.list_price) AS most_expensive_price FROM Categories c JOIN Product p ON c.category_id = p.category_id	4 row(s) returned	0.000 sec / 0.000 sec
3	01:02:01	SELECT c.email_address, SUM(oi.item_price * oi.quantity) AS total_item_price, SUM(oi.discount_amount * oi.quantity) AS total_discount FROM Order_Items oi JOIN Orders o ON o.order_id = oi.order_id GROUP BY c.email_address	7 row(s) returned	0.016 sec / 0.000 sec
4	01:10:34	SELECT c.email_address, COUNT(o.order_id) AS order_count, SUM((oi.item_price - oi.discount_amount) * oi.quantity) AS total_amount FROM Order_Items oi JOIN Orders o ON o.order_id = oi.order_id GROUP BY c.email_address	Error Code: 1054. Unknown column 'o.order_id' in 'on clause'	0.000 sec
5	01:12:16	SELECT c.email_address, COUNT(o.order_id) AS order_count, SUM((oi.item_price - oi.discount_amount) * oi.quantity) AS total_amount FROM Order_Items oi JOIN Orders o ON o.order_id = oi.order_id GROUP BY c.email_address	3 row(s) returned	0.000 sec / 0.000 sec

1:12 AM 10/13/2024

MySQL Workbench

Local instance MySQL80 X

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS my\_guitar\_shop

Tables Views Stored Procedures Functions

sakila sys world

SQL File 8\* X

```
1 • INSERT INTO Categories (category_name)
2   VALUES ('Brass')
3   ON DUPLICATE KEY UPDATE category_name = 'Brass';
```

SQL Additions

Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

Administration Schemas

Information

Schema: my\_guitar\_shop

Action Output

#	Time	Action	Message	Duration / Fetch
1	23:57:29	INSERT INTO Categories (category_name) VALUES ('Brass')	Error Code: 1062. Duplicate entry 'Brass' for key 'categories.category_name'	0.000 sec
2	23:58:00	INSERT INTO Categories (category_name) VALUES ('Brass')	Error Code: 1062. Duplicate entry 'Brass' for key 'categories.category_name'	0.016 sec
3	23:58:52	INSERT INTO Categories (category_name) VALUES ('Brass') ON DUPLICATE KEY UPDATE category_name = 'Brass'	0 rows(s) affected	0.000 sec

Object Info Session

58% Clear

11:58 PM 10/5/2024

This screenshot shows a MySQL Workbench session for a local instance of MySQL 8.0. In the SQL editor (SQL File 8\*), a query is run to insert a new row into the 'Categories' table with the name 'Brass'. The 'ON DUPLICATE KEY UPDATE' clause is used to handle the situation where the key already exists. The output pane shows three log entries: the first two are errors indicating a duplicate entry for the key 'categories.category\_name', and the third is a successful update of the existing row. The status bar at the bottom right indicates the time as 11:58 PM on October 5, 2024.

MySQL Workbench

Local instance MySQL80 X

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS my\_guitar\_shop

Tables Views Stored Procedures Functions

sakila sys world

SQL File 8\* X SQL File 10\*

```
1 • INSERT INTO Categories (category_name)
2   VALUES ('Brass')
3   ON DUPLICATE KEY UPDATE category_name = 'Brass';
4 • SELECT * FROM Categories;
```

SQL Additions

Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

Administration Schemas

Information

Schema: my\_guitar\_shop

Result Grid

category_id	category_name
2	Basses
5	Brass
3	Drums
1	Guitars
4	Keyboards
NULL	NULL

Form Editor

Field Types

Query Stats

Categories 2 X

Output

Action Output

#	Time	Action	Message	Duration / Fetch
1	00:02:49	INSERT INTO Categories (category_name) VALUES ('Brass') ON DUPLICATE KEY UPDATE category_name = 'Brass'	0 rows(s) affected	0.000 sec
2	00:02:49	SELECT * FROM Categories LIMIT 0, 1000	5 row(s) returned	0.015 sec / 0.000 sec

Object Info Session

USD/EUR +0.49%

12:02 AM 10/6/2024

This screenshot shows a MySQL Workbench session for a local instance of MySQL 8.0. In the SQL editor (SQL File 10\*), a query is run to insert a new row into the 'Categories' table with the name 'Brass'. The 'ON DUPLICATE KEY UPDATE' clause is used to handle the situation where the key already exists. The output pane shows a successful update of the existing row. The status bar at the bottom right indicates the time as 12:02 AM on October 6, 2024.

MySQL Workbench

Local instance MySQL80 X

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS my\_guitar\_shop

Tables Views Stored Procedures Functions

sakila sys world

SQL File 11\* SQL File 12\*

```

1 • UPDATE Categories
2   SET category_name = 'Woodwinds'
3   WHERE category_id = 5;
4 • SELECT * FROM Categories;
5

```

SQL Additions

Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

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

category_id	category_name
2	Basses
3	Drums
1	Guitars
4	Keyboards
5	Woodwinds
*	Musical instruments

Administration Schemas

Information

Schema: my\_guitar\_shop

Categories 2 x

Output

Action Output

#	Time	Action	Message	Duration / Fetch
11	00:46:29	INSERT INTO Categories (category_name) VALUES ('Brass') ON DUPLICATE KEY UPDATE category_name = 'Brass'	0 row(s) affected	0.015 sec
12	00:46:53	INSERT INTO Categories (category_name) VALUES ('Brass') ON DUPLICATE KEY UPDATE category_name = 'Brass'	0 row(s) affected	0.000 sec
13	00:46:53	SELECT * FROM Categories WHERE category_name = 'Brass' LIMIT 0, 1000	1 row(s) returned	0.000 sec / 0.000 sec
14	00:47:27	UPDATE Categories SET category_name = 'Woodwinds' WHERE category_id = 5	1 row(s) affected Rows matched: 1 Changed: 1 Warnings: 0	0.016 sec
15	00:47:42	UPDATE Categories SET category_name = 'Woodwinds' WHERE category_id = 5	0 row(s) affected Rows matched: 1 Changed: 0 Warnings: 0	0.000 sec
16	00:47:42	SELECT * FROM Categories LIMIT 0, 1000	5 row(s) returned	0.000 sec / 0.000 sec

Object Info Session

58°F Clear 12:47 AM 10/6/2024

MySQL Workbench

Local instance MySQL80 X

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS my\_guitar\_shop

Tables Views Stored Procedures Functions

sakila sys world

SQL File 3\* SQL File 4\* SQL File 5\* SQL File 7\* SQL File 8\* SQL File 9\* SQL File 10\*

```

8 BEGIN
9   DECLARE original_price DECIMAL(10, 2);
10  DECLARE discount_amount DECIMAL(10, 2);
11
12  -- Use AVG() to ensure only one value is returned
13  SELECT AVG(item_price), AVG(discount_amount)
14  INTO original_price, discount_amount
15  FROM Order_Items
16  WHERE item_id = item_id; -- Ensure this matches the correct column for item ID
17
18  -- Calculate the discounted price
19  RETURN (original_price - discount_amount);
20 END $$

21
22 DELIMITER ;
23 • SELECT * FROM Order_Items WHERE item_id = 1;
24

```

SQL Additions

Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

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

item_id	order_id	product_id	item_price	discount_amount	quantity
1	1	2	1199.00	359.70	1
*	1	2	1199.00	359.70	1

Administration Schemas

Information

Schema: my\_guitar\_shop

Order\_Items 2 x

Output

Action Output

#	Time	Action	Message	Duration / Fetch
125	19:48:47	SELECT * FROM Order_Items LIMIT 1	10 row(s) returned	0.000 sec / 0.000 sec
126	19:48:47	SELECT discount_price() AS DiscountedPrice LIMIT 0, 1000	1 row(s) returned	0.000 sec / 0.000 sec
127	19:48:47	SELECT * FROM Order_Items WHERE item_id = 1 LIMIT 0, 1000	1 row(s) returned	0.000 sec / 0.000 sec
128	19:49:12	SELECT * FROM Order_Items WHERE item_id = 1 LIMIT 0, 1000	1 row(s) returned	0.000 sec / 0.000 sec
129	19:49:54	DROP FUNCTION IF EXISTS discount_price; CREATE FUNCTION discount_price(item_id INT) RETURNS DECIMAL(10, 2) DETERMINISTIC BEGIN	0 row(s) affected	0.000 sec
130	19:49:54	SELECT * FROM Order_Items WHERE item_id = 1 LIMIT 0, 1000	1 row(s) returned	0.000 sec / 0.000 sec

Object Info Session

67°F Partly cloudy 7:49 PM 10/20/2024

MySQL Workbench

Local instance MySQL80 X

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS my\_guitar\_shop

SQL File 3\* SQL File 4\* SQL File 5\* SQL File 7\* SQL File 8\* SQL File 9\* SQL File 10\*

```

5 CREATE FUNCTION item_total(item_id INT)
6 RETURNS DECIMAL(10, 2)
7 DETERMINISTIC
8 BEGIN
9     DECLARE total_amount DECIMAL(10, 2);
10    DECLARE quantity INT;
11
12    -- Get the average quantity (you can also use SUM or MAX based on your needs)
13    SELECT AVG(quantity) INTO quantity
14    FROM Order_Items
15    WHERE item_id = item_id;
16
17    -- Calculate total amount using the discount_price function
18    SET total_amount = discount_price(item_id) * quantity;
19
20    -- Return the total amount
21    RETURN total_amount;
22 END $
```

DELIMITER ;

```

25 •   SELECT item_id, discount_price(item_id), quantity,
26       item_total(item_id)
27   FROM order_items;
```

Result Grid

item_id	discount_price(item_id)	quantity	item_total(item_id)
1	10.00	1	10.00
2	10.00	1	10.00
3	10.00	1	10.00
4	10.00	1	10.00
5	10.00	2	20.00
6	10.00	2	20.00

Administration Schemas

Information

Schema: my\_guitar\_shop

Object Info Session

67°F Partly cloudy

7:56 PM 10/20/2024

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MySQL Workbench

Local instance MySQL80 X

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS my\_guitar\_shop

SQL File 3\* SQL File 4\* SQL File 5\*

```

1 DROP PROCEDURE IF EXISTS insert_category;
2
3 DELIMITER $$
```

```

5 •   CREATE PROCEDURE insert_category(
6     IN category_name VARCHAR(255)
7 )
8 BEGIN
9     -- Check if the category name already exists
10    IF NOT EXISTS (SELECT 1 FROM Categories WHERE CategoryName = category_name) THEN
11        -- Insert the new category
12        INSERT INTO Categories (CategoryName)
13            VALUES (category_name);
14    ELSE
15        -- If the category exists, raise an error or provide a message
16        SIGNAL SQLSTATE '45000' SET MESSAGE_TEXT = 'Category name already exists.';
17    END IF;
18 END $$
```

DELIMITER ;

```

20 •   -- Test 1: Insert a new category named "Acoustic"
21 CALL insert_category('Acoustic');
```

```

24 •   -- Test 2: Insert a new category named "Electric"
25 CALL insert_category('Electric');
```

Output

Action Output

#	Time	Action	Message	Duration / Fetch
60	18:59:25	DROP PROCEDURE IF EXISTS insert_category	0 row(s) affected	0.000 sec
61	18:59:25	CREATE PROCEDURE insert_category( IN category_name VARCHAR(255) ) BEGIN	- Check if the category name already exists	0.000 sec
62	18:59:25	- Test 1: Insert a new category named "Acoustic"	IF NOT EXIS... (0 rows) affected	0.000 sec
63	19:00:05	CALL insert_category('Acoustic');	Error Code: 1054. Unknown column 'CategoryName' in 'where clause'	0.000 sec
64	19:00:05	DROP PROCEDURE IF EXISTS insert_category	0 row(s) affected	0.015 sec
65	19:00:05	CREATE PROCEDURE insert_category( IN category_name VARCHAR(255) ) BEGIN	- Check if the category name already exists	0.000 sec
66	19:00:05	- Test 1: Insert a new category named "Acoustic"	IF NOT EXIS... (0 rows) affected	0.000 sec
67	19:00:05	CALL insert_category('Acoustic');	Error Code: 1054. Unknown column 'CategoryName' in 'where clause'	0.000 sec

Administration Schemas

Information

Schema: my\_guitar\_shop

Object Info Session

67°F Partly cloudy

7:00 PM 10/20/2024

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MySQL Workbench

Local instance MySQL80 X

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS my\_guitar\_shop

SQL File 9\* SQL File 10\*

```
1 • insert into customers
2 (email_address, password, first_name, last_name)
3 values
4 ('rick@raven.com ', '', 'Rick', 'Raven')
```

SQL Additions

Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

Administration Schemas

Information

Action Output

#	Time	Action	Message	Duration / Fetch
1	01:09:54	SELECT item_id, item_price, discount_amount, quantity, item_price * quantity AS price_total, discount_amount * quantity AS discount_total	5 row(s) returned	0.015 sec / 0.000 sec
2	01:27:01	SELECT p1.product_name, p1.list_price FROM Products p1 JOIN Products p2 ON p1.list_price = p2.list_price AND p1.product_id < p2.product_id	6 row(s) returned	0.000 sec / 0.000 sec
3	01:45:47	SELECT c.category_name, p.product_id FROM Categories c LEFT JOIN Products p ON c.category_id = p.category_id WHERE p.product_id IS NULL	0 row(s) returned	0.000 sec / 0.000 sec
4	01:50:05	SELECT c.category_name, p.product_id FROM Categories c LEFT JOIN Products p ON c.category_id = p.category_id WHERE p.product_id IS NULL	0 row(s) returned	0.015 sec / 0.000 sec
5	01:51:20	SELECT c.category_name FROM Categories c LEFT JOIN Products p ON c.category_id = p.category_id WHERE p.product_id IS NULL LIMIT 1	0 row(s) returned	0.000 sec / 0.000 sec
6	01:58:52	insert into customers (email_address, password, first_name, last_name) values ('rick@raven.com ', 'Rick', 'Raven')	1 row(s) affected	0.031 sec

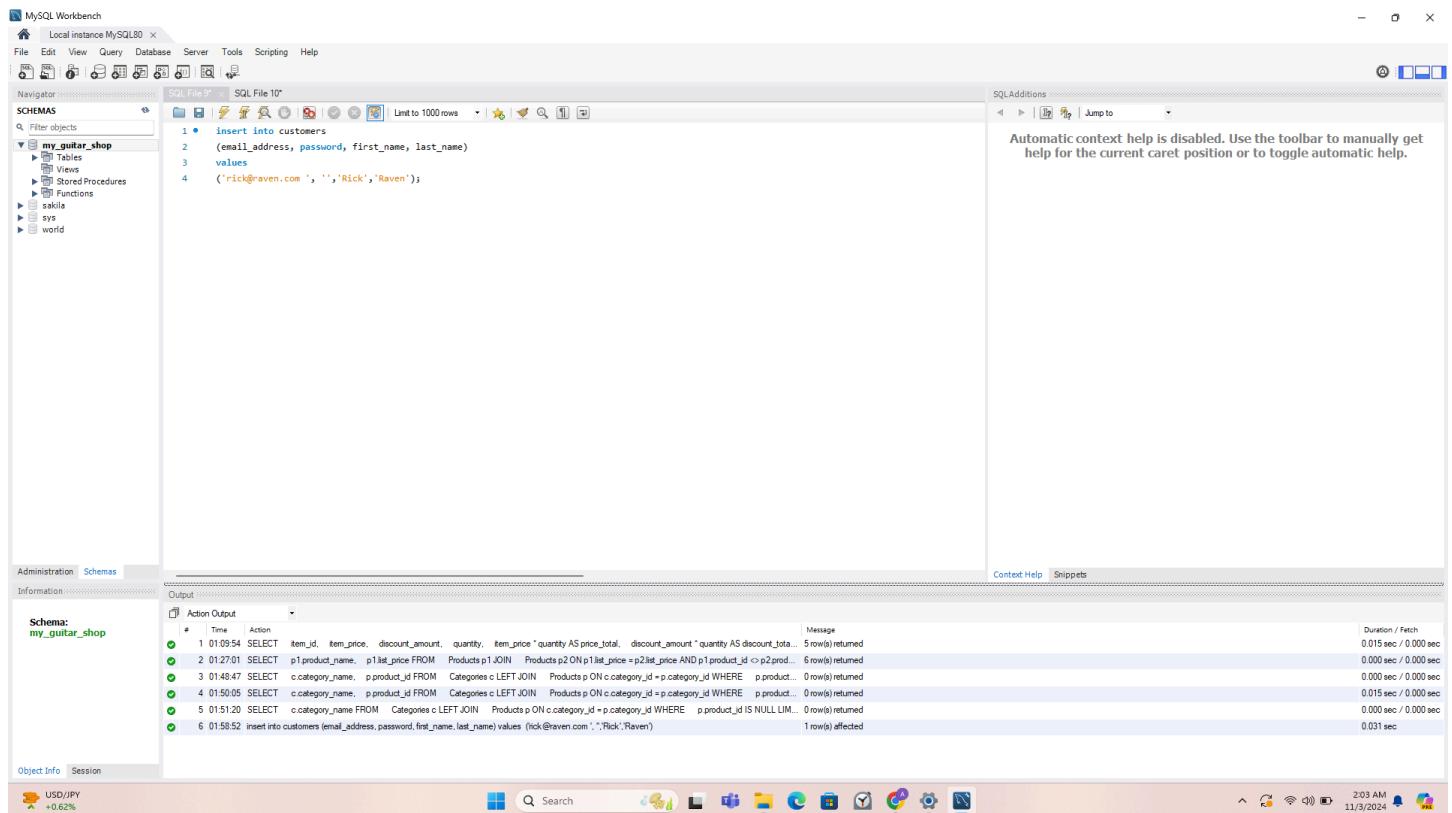
Context Help Snippets

Object Info Session

USD/JPY +0.62%

Search

203 AM 11/3/2024



MySQL Workbench

Local instance MySQL80 X

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS my\_guitar\_shop

SQL File 9\* SQL File 10\*

```
1 • SELECT
2     c.category_name,
3     p.product_id
4   FROM
5     Categories c
6   LEFT JOIN
7     Products p ON c.category_id = p.category_id
8   WHERE
9     p.product_id IS NULL;
```

SQL Additions

Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

Administration Schemas

Information

Action Output

#	Time	Action	Message	Duration / Fetch
1	01:09:54	SELECT item_id, item_price, discount_amount, quantity, item_price * quantity AS price_total, discount_amount * quantity AS discount_total	5 row(s) returned	0.015 sec / 0.000 sec
2	01:27:01	SELECT p1.product_name, p1.list_price FROM Products p1 JOIN Products p2 ON p1.list_price = p2.list_price AND p1.product_id < p2.product_id	6 row(s) returned	0.000 sec / 0.000 sec
3	01:45:47	SELECT c.category_name, p.product_id FROM Categories c LEFT JOIN Products p ON c.category_id = p.category_id WHERE p.product_id IS NULL	0 row(s) returned	0.000 sec / 0.000 sec
4	01:50:05	SELECT c.category_name, p.product_id FROM Categories c LEFT JOIN Products p ON c.category_id = p.category_id WHERE p.product_id IS NULL	0 row(s) returned	0.015 sec / 0.000 sec
5	01:51:20	SELECT c.category_name FROM Categories c LEFT JOIN Products p ON c.category_id = p.category_id WHERE p.product_id IS NULL LIMIT 1	0 row(s) returned	0.000 sec / 0.000 sec

Result Grid | Filter Rows | Export | Wrap Cell Content | Result Grid | Form Editor | Field Types | Query Stats

Result 5 x

Output

Action Output

#	Time	Action	Message	Duration / Fetch
1	01:09:54	SELECT item_id, item_price, discount_amount, quantity, item_price * quantity AS price_total, discount_amount * quantity AS discount_total	5 row(s) returned	0.015 sec / 0.000 sec
2	01:27:01	SELECT p1.product_name, p1.list_price FROM Products p1 JOIN Products p2 ON p1.list_price = p2.list_price AND p1.product_id < p2.product_id	6 row(s) returned	0.000 sec / 0.000 sec
3	01:45:47	SELECT c.category_name, p.product_id FROM Categories c LEFT JOIN Products p ON c.category_id = p.category_id WHERE p.product_id IS NULL	0 row(s) returned	0.000 sec / 0.000 sec
4	01:50:05	SELECT c.category_name, p.product_id FROM Categories c LEFT JOIN Products p ON c.category_id = p.category_id WHERE p.product_id IS NULL	0 row(s) returned	0.015 sec / 0.000 sec
5	01:51:20	SELECT c.category_name FROM Categories c LEFT JOIN Products p ON c.category_id = p.category_id WHERE p.product_id IS NULL LIMIT 1	0 row(s) returned	0.000 sec / 0.000 sec

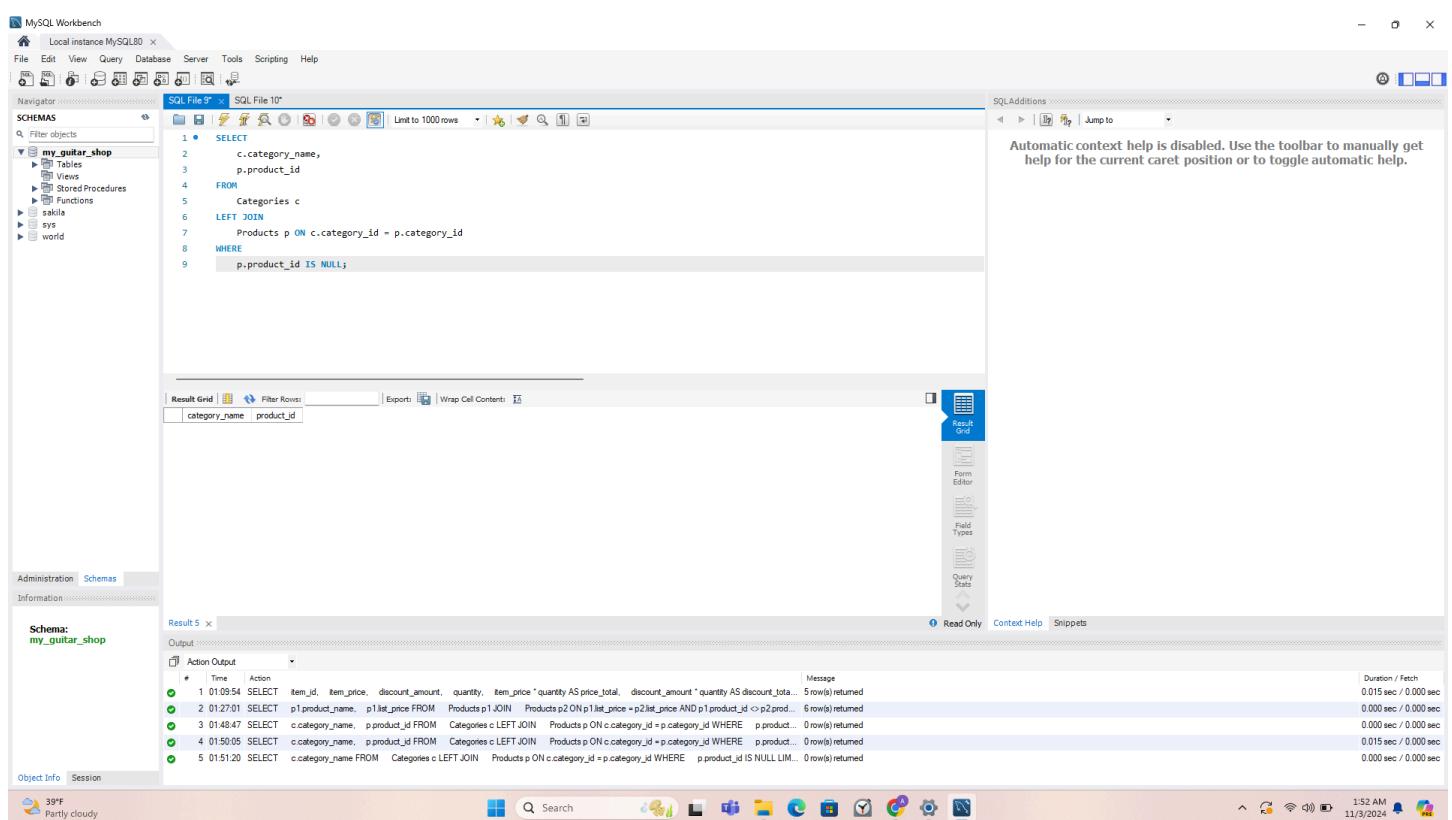
Read Only Context Help Snippets

Object Info Session

39°F Partly cloudy

Search

1:52 AM 11/3/2024



MySQL Workbench

Local instance MySQL80 X

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS my\_guitar\_shop

Tables Views Stored Procedures Functions skakls sys world

SQL File 10\*

```

1 SELECT
2   IF(GROUPING(c.category_name) = 1, 'All Categories', c.category_name) AS category_name,
3   IF(GROUPING(p.product_name) = 1, 'All Products', p.product_name) AS product_name,
4   SUM(oi.quantity) AS total_quantity_purchased
5 FROM
6   categories c
7   JOIN
8     products p ON c.category_id = p.category_id
9   JOIN
10    order_items oi ON p.product_id = oi.product_id
11 GROUP BY
12   c.category_name, p.product_name WITH ROLLUP
13 HAVING
14   total_quantity_purchased IS NOT NULL;
15

```

Result Grid

category_name	product_name	total_quantity_purchased
Basses	Fender Precision	1
Basses	All Products	1
Drums	Ludwig 5-Piece Drum Set with Cymbals	1
Drums	Tama 5-Piece Drum Set with Cymbals	1
Drums	All Products	2
Guitars	Fender Stratocaster	2
Guitars	Gibson Les Paul	3
Guitars	Gibson SG	1
Guitars	Rodríguez Caballero 11	1
Guitars	Westlawn D10S	2
Guitars	Yamaha FG70S	1
Guitars	All Products	10
All Categories	All Products	13

Administration Schemas Information

Schema: my\_guitar\_shop

Result 2 x

Action Output

#	Time	Action	Message	Duration / Fetch
1	20:09:55	SELECT IF(GROUPING(c.category_name)=1,'All Categories',c.category_name), IF(GROUPING(p.product_name)=1,'All Prod...',13 row(s) returned)		0.015 sec / 0.000 sec

Object Info Session

Temps to rise Tomorrow

8:10 PM 11/3/2024

MySQL Workbench

Local instance MySQL80 X

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS my\_guitar\_shop

Tables Views Stored Procedures Functions skakls sys world

SQL File 9\* x SQL File 10\*

```

1 • SELECT
2   c.email_address,
3   COUNT(DISTINCT oi.product_id) AS product_count
4   FROM
5     Customers c
6   JOIN
7     Orders o ON c.customer_id = o.customer_id
8   JOIN
9     Order_Items oi ON o.order_id = oi.order_id
10  GROUP BY
11    c.email_address
12  HAVING
13    COUNT(DISTINCT oi.product_id) > 1
14  ORDER BY
15    c.email_address ASC;
16

```

Result Grid

email_address	product_count
alan.sherwood@yahoo.com	3
david.goldstein@hotmail.com	2
frankwilson@b2cglobal.net	3

Administration Schemas Information

Schema: my\_guitar\_shop

Result 7 x

Action Output

#	Time	Action	Message	Duration / Fetch
1	01:09:54	SELECT item_id, item_price, discount_amount, quantity, item_price * quantity AS price_total, discount_amount * quantity AS discount_total...	5 row(s) returned	0.015 sec / 0.000 sec
2	01:27:01	SELECT p1.product_name, p1.list_price FROM Products p1 JOIN Products p2 ON p1.list_price = p2.list_price AND p1.product_id < p2.product_id...	6 row(s) returned	0.000 sec / 0.000 sec
3	01:40:47	SELECT c.category_name, p.product_id FROM Categories c LEFT JOIN Products p ON c.category_id = p.category_id WHERE p.product_id < 1...	0 row(s) returned	0.000 sec / 0.000 sec
4	01:50:05	SELECT c.category_name, p.product_id FROM Categories c LEFT JOIN Products p ON c.category_id = p.category_id WHERE p.product_id < 1...	0 row(s) returned	0.015 sec / 0.000 sec
5	01:51:20	SELECT c.category_name FROM Categories c LEFT JOIN Products p ON c.category_id = p.category_id WHERE p.product_id IS NULL...	0 row(s) returned	0.000 sec / 0.000 sec
6	01:58:52	insert into customers (email_address, password, first_name, last_name) values ('rick@raven.com', 'RICK', 'Raven')	1 row(s) affected	0.031 sec
7	02:06:51	SELECT c_email_address, COUNT(DISTINCT product_id) AS count FROM customers AS c INNER JOIN orders o ON c.customer_id = o.customer_id...	3 row(s) returned	0.016 sec / 0.000 sec
8	02:07:57	SELECT c_email_address, COUNT(DISTINCT oi.product_id) AS product_count FROM Customers c JOIN Orders o ON c.customer_id = o.customer_id...	3 row(s) returned	0.000 sec / 0.000 sec

Object Info Session

Temps to rise Tomorrow

2:09 AM 11/3/2024

MySQL Workbench

Local instance MySQL80 X

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS my\_guitar\_shop

Tables Views Stored Procedures Functions skails sys world

SQL File 10\*

```
1 • CREATE USER 'avannevle'@'%' IDENTIFIED BY 'your_password';
2
3 • GRANT SELECT, INSERT, UPDATE, DELETE ON my_guitar_shop.customers TO 'avannevle'@'%';
4 • GRANT SELECT, INSERT, UPDATE, DELETE ON my_guitar_shop.addresses TO 'avannevle'@'%';
5 • GRANT SELECT, INSERT, UPDATE, DELETE ON my_guitar_shop.orders TO 'avannevle'@'%';
6 • GRANT SELECT, INSERT, UPDATE, DELETE ON my_guitar_shop.order_items TO 'avannevle'@'%';
7
8 • GRANT SELECT ON my_guitar_shop.products TO 'avannevle'@'%';
9 • GRANT SELECT ON my_guitar_shop.categories TO 'avannevle'@'%';
10
11 • FLUSH PRIVILEGES;
12
13 • SHOW GRANTS FOR 'avannevle'@'%';
```

Result Grid | Filter Rows: Export: Wrap Cell Content: Result Grid Form Editor Field Types Query Stats

Administration Schemas Information

Schema: my\_guitar\_shop

Result 4 x

Action Output

#	Time	Action	Message	Duration / Fetch
16	20:20:13	GRANT SELECT ON my_guitar_shop.products TO 'avannevle'@'%';	0 row(s) affected	0.000 sec
17	20:20:13	GRANT SELECT ON my_guitar_shop.categories TO 'avannevle'@'%';	0 row(s) affected	0.000 sec
18	20:20:13	FLUSH PRIVILEGES	0 row(s) affected	0.000 sec
19	20:20:13	SHOW GRANTS FOR 'avannevle'@'%';	7 row(s) returned	0.000 sec / 0.000 sec

Object Info Session

Light rain At night

8:20 PM 11/3/2024

MySQL Workbench

Local instance MySQL80 X

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS my\_guitar\_shop

Tables Views Stored Procedures Functions skails sys world

SQL File 9\*

```
1 • SELECT
2     product_name,
3     list_price,
4     discount_percent,
5     ROUND(list_price * (discount_percent / 100), 2) AS discount_amount,
6     ROUND(list_price - (list_price * (discount_percent / 100)), 2) AS discount_price
7   FROM
8     Products
9  ORDER BY
10    discount_price DESC
11  LIMIT 5;
```

Result Grid | Filter Rows: Export: Wrap Cell Content: Result Grid Form Editor Field Types Query Stats

Administration Schemas Information

Schema: my\_guitar\_shop

Result 1 x

Action Output

#	Time	Action	Message	Duration / Fetch
1	01:59:58	SELECT product_name, list_price, discount_percent, ROUND(list_price * (discount_percent / 100), 2) AS discount_amount, ROUND(list_price - (list_price * (discount_percent / 100)), 2) AS discount_price	5 row(s) returned	0.000 sec / 0.000 sec

Object Info Session

USD/EUR +0.45%

1:00 AM 11/3/2024

MySQL Workbench

Local instance MySQL80 X

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

my\_guitar\_shop

Tables Views Stored Procedures Functions

sakila sys world

SQL File 9\* x

```
1 • SELECT
2     item_id,
3     item_price,
4     discount_amount,
5     quantity,
6     item_price * quantity AS price_total,
7     discount_amount * quantity AS discount_total,
8     (item_price - discount_amount) * quantity AS item_total
9
10    FROM
11    Order_Items
12   WHERE
13   (item_price - discount_amount) * quantity > 500
14 ORDER BY
15     item_total DESC;
```

Result Grid | Filter Rows! Export: Wrap Cell Contents:

item_id	item_price	discount_amount	quantity	price_total	discount_total	item_total
5	1199.00	359.70	2	2398.00	719.40	1678.60
3	2517.00	1308.84	1	2517.00	1308.84	1208.16
1	1199.00	359.70	1	1199.00	359.70	839.30
11	799.99	120.00	1	799.99	120.00	679.99
9	799.99	240.00	1	799.99	240.00	559.99

Administration Schemas Information

Schema: my\_guitar\_shop

Result 2 x

Output

Action Output

#	Time	Action	Message	Duration / Fetch
1	01:09:54	SELECT item_id, item_price, discount_amount, quantity, item_price * quantity AS price_total, discount_amount * quantity AS discount_total, (item_price - discount_amount) * quantity AS item_total	5 row(s) returned	0.015 sec / 0.000 sec

Object Info Session

39° Mostly cloudy

11/3/2024 1:11 AM

MySQL Workbench

Local instance MySQL80 X

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

my\_guitar\_shop

Tables Views Stored Procedures Functions

sakila sys world

SQL File 9\* x

```
1 • SELECT
2     p1.product_name,
3     p1.list_price
4
5    FROM
6    Products p1
7   JOIN
8    Products p2 ON p1.list_price = p2.list_price AND p1.product_id <> p2.product_id
9 ORDER BY
10    p1.product_name;
```

Result Grid | Filter Rows! Export: Wrap Cell Contents:

product_name	list_price
Fender Precision	799.99
Fender Precision	799.99
Tama 5-Piece Drum Set with Cymbals	799.99
Tama 5-Piece Drum Set with Cymbals	799.99
Yamaha DGX 640 88-Key Digital Piano	799.99
Yamaha DGX 640 88-Key Digital Piano	799.99

Administration Schemas Information

Schema: my\_guitar\_shop

Result 3 x

Output

Action Output

#	Time	Action	Message	Duration / Fetch
1	01:09:54	SELECT item_id, item_price, discount_amount, quantity, item_price * quantity AS price_total, discount_amount * quantity AS discount_total, (item_price - discount_amount) * quantity AS item_total	5 row(s) returned	0.015 sec / 0.000 sec
2	01:27:01	SELECT p1.product_name, p1.list_price FROM Products p1 JOIN Products p2 ON p1.list_price = p2.list_price AND p1.product_id <> p2.product_id	6 row(s) returned	0.000 sec / 0.000 sec

Object Info Session

39° Mostly cloudy

11/3/2024 1:27 AM

MySQL Workbench

Local instance MySQL80 X

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

my\_guitar\_shop

- Tables
- Views
- Stored Procedures
- Functions
- sakila
- sys
- world

SQL File 4\* X

CREATE USER 'DBAAdmin'@'%' IDENTIFIED BY 'SafeP4ss0rd-47';

SQL Additions

Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

Administration Schemas

Information

Schema: my\_guitar\_shop

Action Output

#	Time	Action	Message	Duration / Fetch
1	02:02:20	CREATE USER DBAAdmin'@'%'; IDENTIFIED BY 'SafeP4ss0rd-47';	0 row(s) affected	0.047 sec

Context Help Snippets

Object Info Session

USD/GBP -0.39%

Search

202 AM 12/1/2024

MySQL Workbench

Local instance MySQL80 X

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

my\_guitar\_shop

- Tables
- Views
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- Functions
- sakila
- sys
- world

SQL File 4\* X SQL File 5\*

GRANT SELECT, UPDATE ON My\_Guitar\_Shop.customers TO 'DBAAdmin'@'%';

SQL Additions

Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

Administration Schemas

Information

Schema: my\_guitar\_shop

Action Output

#	Time	Action	Message	Duration / Fetch
1	02:02:20	CREATE USER DBAAdmin'@'%'; IDENTIFIED BY 'SafeP4ss0rd-47';	0 row(s) affected	0.047 sec
2	02:02:51	GRANT SELECT, UPDATE ON MyGuitarShop.clients TO 'DBAAdmin'@'%';	Error Code: 1146. Table 'myguitarshop.clients' doesn't exist	0.000 sec
3	02:04:17	SHOW TABLES FROM MyGuitarShop	Error Code: 1049. Unknown database 'myguitarshop'	0.000 sec
4	02:04:23	SHOW TABLES FROM MyGuitarShop	Error Code: 1049. Unknown database 'myguitarshop'	0.000 sec
5	02:04:45	SHOW TABLES FROM My_Guitar_Shop	7 row(s) returned	0.000 sec / 0.000 sec
6	02:05:32	GRANT SELECT, UPDATE ON My_Guitar_Shop.clients TO 'DBAAdmin'@'%';	Error Code: 1146. Table 'my_guitar_shop.clients' doesn't exist	0.000 sec
7	02:05:46	GRANT SELECT, UPDATE ON My_Guitar_Shop.customers TO 'DBAAdmin'@'%';	0 row(s) affected	0.016 sec

Context Help Snippets

Object Info Session

WHU - ARS Video highlight

Search

202 AM 12/1/2024

MySQL Workbench

Local instance MySQL80 X

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

my\_guitar\_shop

- Tables
- Views
- Stored Procedures
- Functions
- sakila
- sys
- world

SQL File 4\* x SQL File 5\*

```
1 • GRANT SELECT, DELETE ON My_Guitar_Shop.customers TO 'DRobinton'@'%';
```

SQL Additions

Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

Administration Schemas

Information

Schema: my\_guitar\_shop

Action Output

#	Time	Action	Message	Duration / Fetch
13	02:05:05	CREATE USER 'DRobinton'@'%' IDENTIFIED BY 'NotSafePasswordChangeATNextLogin' PASSWORD EXPIRE	Error Code: 1396. Operation CREATE USER failed for 'DRobinton'@'%'.	0.031 sec
14	02:05:43	SELECT user, host FROM mysql.user WHERE user = 'DRobinton' LIMIT 0, 1000	1 row(s) returned	0.000 sec / 0.000 sec
15	02:10:14	SELECT user, host FROM mysql.user WHERE user = 'DRobinton' LIMIT 0, 1000	1 row(s) returned	0.000 sec / 0.000 sec
16	02:10:14	DROP USER 'DRobinton'@'%'	0 row(s) affected	0.000 sec
17	02:10:31	SELECT user, host FROM mysql.user WHERE user = 'DRobinton' LIMIT 0, 1000	0 row(s) returned	0.000 sec / 0.000 sec
18	02:10:31	DROP USER 'DRobinton'@'%'	Error Code: 1396. Operation DROP USER failed for 'DRobinton'@'%'.	0.000 sec
19	02:10:48	CREATE USER 'DRobinton'@'%' IDENTIFIED BY 'NotSafePasswordChangeATNextLogin' PASSWORD EXPIRE	0 row(s) affected	0.016 sec
20	02:11:12	GRANT SELECT, DELETE ON My_Guitar_Shop.customers TO 'DRobinton'@'%';	0 row(s) affected	0.015 sec

Object Info Session

29° Clear 211 AM 12/1/2024

MySQL Workbench

Local instance MySQL80 X

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

my\_guitar\_shop

- Tables
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- sys
- world

SQL File 4\* x SQL File 5\*

```
1 CREATE USER 'TonyMasters'@'%' IDENTIFIED BY '27SaferPassword^';
```

SQL Additions

Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

Administration Schemas

Information

Schema: my\_guitar\_shop

Action Output

#	Time	Action	Message	Duration / Fetch
14	02:05:43	SELECT user, host FROM mysql.user WHERE user = 'DRobinton' LIMIT 0, 1000	1 row(s) returned	0.000 sec / 0.000 sec
15	02:10:14	SELECT user, host FROM mysql.user WHERE user = 'DRobinton' LIMIT 0, 1000	1 row(s) returned	0.000 sec / 0.000 sec
16	02:10:14	DROP USER 'DRobinton'@'%'	0 row(s) affected	0.000 sec
17	02:10:31	SELECT user, host FROM mysql.user WHERE user = 'DRobinton' LIMIT 0, 1000	0 row(s) returned	0.000 sec / 0.000 sec
18	02:10:31	DROP USER 'DRobinton'@'%'	Error Code: 1396. Operation DROP USER failed for 'DRobinton'@'%'.	0.000 sec
19	02:10:48	CREATE USER 'DRobinton'@'%' IDENTIFIED BY 'NotSafePasswordChangeATNextLogin' PASSWORD EXPIRE	0 row(s) affected	0.016 sec
20	02:11:12	GRANT SELECT, DELETE ON My_Guitar_Shop.customers TO 'DRobinton'@'%';	0 row(s) affected	0.015 sec
21	02:14:24	CREATE USER 'TonyMasters'@'%' IDENTIFIED BY '27SaferPassword^';	0 row(s) affected	0.031 sec

Object Info Session

29° Clear 214 AM 12/1/2024

MySQL Workbench

Local instance MySQL80 X

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

my\_guitar\_shop

- Tables
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- sys
- world

SQL File 4\* x SQL File 5\*

```
1 • GRANT SELECT, INSERT ON My_Guitar_Shop.customers TO 'TonyMasters'@'%'
```

SQL Additions

Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

Administration Schemas

Information

Schema: my\_guitar\_shop

Action Output

#	Time	Action	Message	Duration / Fetch
1	12:49:56	CREATE USER 'TonyMasters'@'%' IDENTIFIED BY '27SafePassword'	Error Code: 1396. Operation CREATE USER failed for 'TonyMasters'@'%'	0.000 sec
2	12:50:54	SELECT User, Host FROM mysql.user WHERE User = 'TonyMasters' LIMIT 0, 1000	1 row(s) returned	0.016 sec / 0.000 sec
3	12:51:12	DROP USER 'TonyMasters'@'%'	0 row(s) affected	0.015 sec
4	12:52:03	CREATE USER 'TonyMasters'@'%' IDENTIFIED BY '27SafePassword'	0 row(s) affected	0.015 sec
5	12:55:02	GRANT SELECT, INSERT ON My_Guitar_Shop.customers TO 'TonyMasters'@'%'	0 row(s) affected	0.000 sec

Object Info Session

53° Sunny

Search

12:55 PM 12/1/2024

MySQL Workbench

Local instance MySQL80 X

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

my\_guitar\_shop

- Tables
- Views
- Stored Procedures
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SQL File 4\* x SQL File 5\*

```
1 • CREATE ROLE 'Most_Privileged'
```

SQL Additions

Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

Administration Schemas

Information

Schema: my\_guitar\_shop

Action Output

#	Time	Action	Message	Duration / Fetch
1	12:49:56	CREATE USER 'TonyMasters'@'%' IDENTIFIED BY '27SafePassword'	Error Code: 1396. Operation CREATE USER failed for 'TonyMasters'@'%'	0.000 sec
2	12:50:54	SELECT User, Host FROM mysql.user WHERE User = 'TonyMasters' LIMIT 0, 1000	1 row(s) returned	0.016 sec / 0.000 sec
3	12:51:12	DROP USER 'TonyMasters'@'%'	0 row(s) affected	0.015 sec
4	12:52:03	CREATE USER 'TonyMasters'@'%' IDENTIFIED BY '27SafePassword'	0 row(s) affected	0.015 sec
5	12:55:02	GRANT SELECT, INSERT ON My_Guitar_Shop.customers TO 'TonyMasters'@'%'	0 row(s) affected	0.000 sec
6	12:57:39	CREATE ROLE 'Most_Privileged'	0 row(s) affected	0.000 sec

Object Info Session

53° Sunny

Search

12:57 PM 12/1/2024

MySQL Workbench

Local instance MySQL80 X

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

my\_guitar\_shop

- Tables
- Views
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- Functions
- sakila
- sys
- world

SQL File 4\* SQL File 5\*

```
1 • GRANT 'Host_Privileged' TO 'DBAAdmin'@'%', 'DRobinton'@'%', 'TonyMasters'@'%';
```

Action Output

#	Time	Action	Message	Duration / Fetch
1	12:49:56	CREATE USER TonyMasters@'%' IDENTIFIED BY '27SafePassword'	Error Code: 1396. Operation CREATE USER failed for 'TonyMasters'@'%'	0.000 sec
2	12:50:54	SELECT User, Host FROM mysql.user WHERE User = 'TonyMasters' LIMIT 0, 1000	1row(s) returned	0.016 sec / 0.000 sec
3	12:51:12	DROP USER 'TonyMasters'@'%';	0row(s) affected	0.015 sec
4	12:52:03	CREATE USER TonyMasters@'%' IDENTIFIED BY '27SafePassword'	0row(s) affected	0.015 sec
5	12:55:02	GRANT SELECT, INSERT ON My_Guitar_Shop.customers TO 'TonyMasters'@'%';	0row(s) affected	0.000 sec
6	12:57:39	CREATE ROLE 'Most_Privileged'	0row(s) affected	0.000 sec
7	13:01:14	GRANT UPDATE, DELETE ON My_Guitar_Shop.customers TO 'Most_Privileged'	0row(s) affected	0.016 sec
8	13:03:25	GRANT 'Most_Privileged' TO 'DBAAdmin'@'%', 'DRobinton'@'%', 'TonyMasters'@'%';	0row(s) affected	0.000 sec

SQL Additions

Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

Context Help Snippets

Administration Schemas

Information

Schema: my\_guitar\_shop

Object Info Session

53°F Sunny 1:03 PM 12/1/2024

MySQL Workbench

Local instance MySQL80 X

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

my\_guitar\_shop

- Tables
- Views
- Stored Procedures
- Functions
- sakila
- sys
- world

SQL File 4\* SQL File 5\*

```
1 • GRANT UPDATE, DELETE ON My_Guitar_Shop.customers TO 'Most_Privileged';
```

Action Output

#	Time	Action	Message	Duration / Fetch
1	12:49:56	CREATE USER TonyMasters@'%' IDENTIFIED BY '27SafePassword'	Error Code: 1396. Operation CREATE USER failed for 'TonyMasters'@'%'	0.000 sec
2	12:50:54	SELECT User, Host FROM mysql.user WHERE User = 'TonyMasters' LIMIT 0, 1000	1row(s) returned	0.016 sec / 0.000 sec
3	12:51:12	DROP USER 'TonyMasters'@'%';	0row(s) affected	0.015 sec
4	12:52:03	CREATE USER TonyMasters@'%' IDENTIFIED BY '27SafePassword'	0row(s) affected	0.015 sec
5	12:55:02	GRANT SELECT, INSERT ON My_Guitar_Shop.customers TO 'TonyMasters'@'%';	0row(s) affected	0.000 sec
6	12:57:39	CREATE ROLE 'Most_Privileged'	0row(s) affected	0.000 sec
7	13:01:14	GRANT UPDATE, DELETE ON My_Guitar_Shop.customers TO 'Most_Privileged'	0row(s) affected	0.016 sec

SQL Additions

Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

Context Help Snippets

Administration Schemas

Information

Schema: my\_guitar\_shop

Object Info Session

53°F Sunny 1:01 PM 12/1/2024

MySQL Workbench

Local instance MySQL80 X

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

my\_guitar\_shop

- Tables
- Views
- Stored Procedures
- Functions
- sakila
- sys
- world

SQL File 4\* SQL File 5\*

```
1 • CREATE USER 'TonyMasters'@'%' IDENTIFIED BY '27SafePassword';
```

SQL Additions

Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

Administration Schemas

Information

Schema: my\_guitar\_shop

Action Output

#	Time	Action	Message	Duration / Fetch
1	12:49:56	CREATE USER 'TonyMasters'@'%' IDENTIFIED BY '27SafePassword';	Error Code: 1396. Operation CREATE USER failed for 'TonyMasters'@'%'	0.000 sec
2	12:50:54	SELECT User, Host FROM mysql.user WHERE User = 'TonyMasters' LIMIT 0, 1000	1row(s) returned	0.016 sec / 0.000 sec
3	12:51:12	DROP USER 'TonyMasters'@'%';	0row(s) affected	0.015 sec
4	12:52:03	CREATE USER 'TonyMasters'@'%' IDENTIFIED BY '27SafePassword';	0row(s) affected	0.015 sec

Object Info Session

USD/GBP -0.41%

Search

12:52 PM 12/1/2024

A screenshot of the MySQL Workbench application. The interface includes a top menu bar with File, Edit, View, Query, Database, Server, Tools, Scripting, and Help. Below the menu is a toolbar with various icons. On the left, there's a Navigator pane showing database schemas like my\_guitar\_shop, sakila, sys, and world. The main area has two tabs open: SQL File 4\* and SQL File 5\*. SQL File 4\* contains a single command: 'CREATE USER 'TonyMasters'@'%' IDENTIFIED BY '27SafePassword';'. SQL File 5\* is currently empty. To the right of the SQL panes is a SQL Additions panel with a message about context help being disabled. Below the SQL panes is an Administration section with a Schemas tab selected. Under Schemas, it shows the current schema as 'my\_guitar\_shop'. The Action Output section displays a log of four actions: 1. A failed CREATE USER command (Error 1396). 2. A SELECT query on the mysql.user table. 3. A DROP USER command. 4. A second CREATE USER command. The log includes columns for # (action number), Time (timestamp), Action (SQL command), Message (error or result details), and Duration / Fetch (execution time). At the bottom, there's a system tray with icons for currency exchange rate (USD/GBP -0.41%), search, and system status (12:52 PM, 12/1/2024).