

Question 1

MySQL Workbench

Local instance wampmysqld64

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

Filter objects

my_guitar_shop

Tables

addresses

administrators

categories

customers

order_items

orders

products

Views

Stored Procedures

Functions

sys

Query 1 create_my_guitar_shop

Limit to 1000 rows

```

31 email_address VARCHAR(191) NOT NULL,
32 password VARCHAR(60) NOT NULL,
33 first_name VARCHAR(60) NOT NULL,
34 last_name VARCHAR(60) NOT NULL,
35 shipping_address_id INT DEFAULT NULL,
36 billing_address_id INT DEFAULT NULL,
37 );
38
39 CREATE TABLE addresses (
40 address_id INT PRIMARY KEY AUTO_INCREMENT,
41 customer_id INT NOT NULL,
42 line1 VARCHAR(60) NOT NULL,

```

SQLAdditions

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

Output

Action Output

#	Time	Action	Message	Duration / Fetch
3	22:12:32	USE my_guitar_shop	0 row(s) affected	0.000 sec
4	22:12:32	CREATE TABLE categories (category_id INT PRIMARY KEY AUTO_INCREMENT, category_n...	0 row(s) affected	0.016 sec
5	22:12:32	CREATE TABLE products (product_id INT PRIMARY KEY AUTO_INCREMENT, category_id ...	0 row(s) affected	0.015 sec
6	22:12:32	CREATE TABLE customers (customer_id INT PRIMARY KEY AUTO_INCREMENT, email_ad...	0 row(s) affected	0.000 sec
7	22:12:32	CREATE TABLE addresses (address_id INT PRIMARY KEY AUTO_INCREMENT, customer_j...	0 row(s) affected, 1 warning(s): 1681 Integer display width is deprecated and will be removed in a future release.	0.000 sec
8	22:12:32	CREATE TABLE orders (order_id INT PRIMARY KEY AUTO_INCREMENT, customer_id I...	0 row(s) affected	0.016 sec
9	22:12:32	CREATE TABLE order_items (item_id INT PRIMARY KEY AUTO_INCREMENT, order_id ...	0 row(s) affected	0.015 sec
10	22:12:32	CREATE TABLE administrators (admin_id INT PRIMARY KEY AUTO_INCREMENT, email_ad...	0 row(s) affected	0.000 sec
11	22:12:32	INSERT INTO categories (category_id, category_name) VALUES (1, 'Guitars'), (2, 'Basses'), (3, 'Drums'), (4, 'Ke...	4 row(s) affected Records: 4 Duplicates: 0 Warnings: 0	0.000 sec
12	22:12:32	INSERT INTO products (product_id, category_id, product_code, product_name, description, list_price, discount...	10 row(s) affected Records: 10 Duplicates: 0 Warnings: 0	0.000 sec
13	22:12:32	INSERT INTO customers (customer_id, email_address, password, first_name, last_name, shipping_address_id, ...	8 row(s) affected Records: 8 Duplicates: 0 Warnings: 0	0.000 sec
14	22:12:32	INSERT INTO addresses (address_id, customer_id, line1, line2, city, state, zip_code, phone, disabled) VALUES ...	12 row(s) affected Records: 12 Duplicates: 0 Warnings: 0	0.016 sec
15	22:12:32	INSERT INTO orders (order_id, customer_id, order_date, ship_amount, tax_amount, ship_date, ship_address_id, ...	9 row(s) affected Records: 9 Duplicates: 0 Warnings: 0	0.000 sec
16	22:12:32	INSERT INTO order_items (item_id, order_id, product_id, item_price, discount_amount, quantity) VALUES (1, 1, ...	12 row(s) affected Records: 12 Duplicates: 0 Warnings: 0	0.000 sec
17	22:12:32	INSERT INTO administrators (admin_id, email_address, password, first_name, last_name) VALUES (1, 'admin@...	3 row(s) affected Records: 3 Duplicates: 0 Warnings: 0	0.000 sec
18	22:12:32	CREATE USER IF NOT EXISTS mgs_user@localhost IDENTIFIED BY 'pa55word'	0 row(s) affected	0.015 sec
19	22:12:32	GRANT SELECT, INSERT, UPDATE, DELETE ON mgs.* TO mgs_user@localhost	0 row(s) affected	0.000 sec

Administration Schemas

Information

No object selected

Object Info Session

Query Completed

Question 2

MySQL Workbench

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Navigator

SCHEMAS

Filter objects

my_guitar_shop

Tables

addresses

administrators

categories

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Query 1 create_my_guitar_shop

Limit to 1000 rows

```

1 SELECT * FROM my_guitar_shop.categories;

```

Execute the selected portion of the script or everything, if there is no selection

Result Grid

category_id	category_name
1	Guitars
2	Basses
3	Drums
4	Keyboards

categories 4 x

Apply Revert

Context Help Snippets

SQLAdditions

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

Output

Action Output

#	Time	Action	Message	Duration / Fetch
1	22:15:56	SELECT * FROM my_guitar_shop.categories LIMIT 0, 1000	4 row(s) returned	0.016 sec / 0.000 sec

Administration Schemas

Information

Table: categories

Columns:

category_id int AI PK

category_name varchar(11)

Object Info Session

Query Completed

Question 3

MySQL Workbench

Local instance wampmysqld64

Query 1 create_my_guitar_shop* categories categories - Table

Table Name: **categories** Schema: **my_guitar_shop**

Charset/Collation: utf8mb4 utf8mb4_0900_ai_ci Engine: MyISAM

Comments:

Column Name	Datatype	PK	NN	UQ	B	UN	ZF	AI	G	Default/Expression
category_id	INT	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
category_name	VARCHAR(191)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Column Name: Data Type: Charset/Collation: Comments: Storage: ☐ Virtual ☐ Stored ☐ Primary Key ☐ Not Null ☐ Unique ☐ Binary ☐ Unsigned ☐ Zero Fill ☐ Auto Increment ☐ Generated

Columns Indexes Foreign Keys Triggers Partitioning Options

Output: Action Output

Message Duration / Fetch

Query Completed

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

Question 4

MySQL Workbench

Local instance wampmysqld64

Query 1 create_my_guitar_shop* categories categories - Table products

Table Name: **products** Schema: **my_guitar_shop**

Charset/Collation: utf8mb4 utf8mb4_0900_ai_ci Engine: MyISAM

Comments:

Column Name: Data Type: Charset/Collation: Comments: Storage: ☐ Virtual ☐ Stored ☐ Primary Key ☐ Not Null ☐ Unique ☐ Binary ☐ Unsigned ☐ Zero Fill ☐ Auto Increment ☐ Generated

Columns Indexes Foreign Keys Triggers Partitioning Options

Output: Action Output

Message Duration / Fetch

Query Completed

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

1 • SELECT product_code, product_name, list_price, discount_percent FROM my_guitar_shop.products order by list_price desc;

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

products 5 x

Output: Action Output

Message Duration / Fetch

Query Completed

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

Question 5

MySQL Workbench

Local instance wampmysqld64

File Edit View Query Database Server Tools Scripting Help

Navigator: my_guitar_shop

- Tables
 - addresses
 - administrators
 - categories
 - customers
 - order_items
 - orders
 - products
- Views
- Stored Procedures
- Functions
- sys

Query 1: create_my_guitar_shop* categories - Table products

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

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

Result Grid

product_name	list_price
Fender Precision	799.99
Tama 5-Piece Drum Set with Cymbals	799.99

Table: products

Columns:

- product_id: int AI
- category_id: int
- product_code: varchar
- product_name: varchar
- description: text
- list_price: decimal
- discount_percent: decimal
- date_added: datetime

Output

Action Output

#	Time	Action	Message	Duration / Fetch
1	22:30:10	SELECT DISTINCT p1 product_name, p1 list_price FROM Products p1 JOIN Products p2 ON p1 list_price = p...	2 row(s) returned	0.000 sec / 0.000 sec

Query Completed