

Jeremy hovis

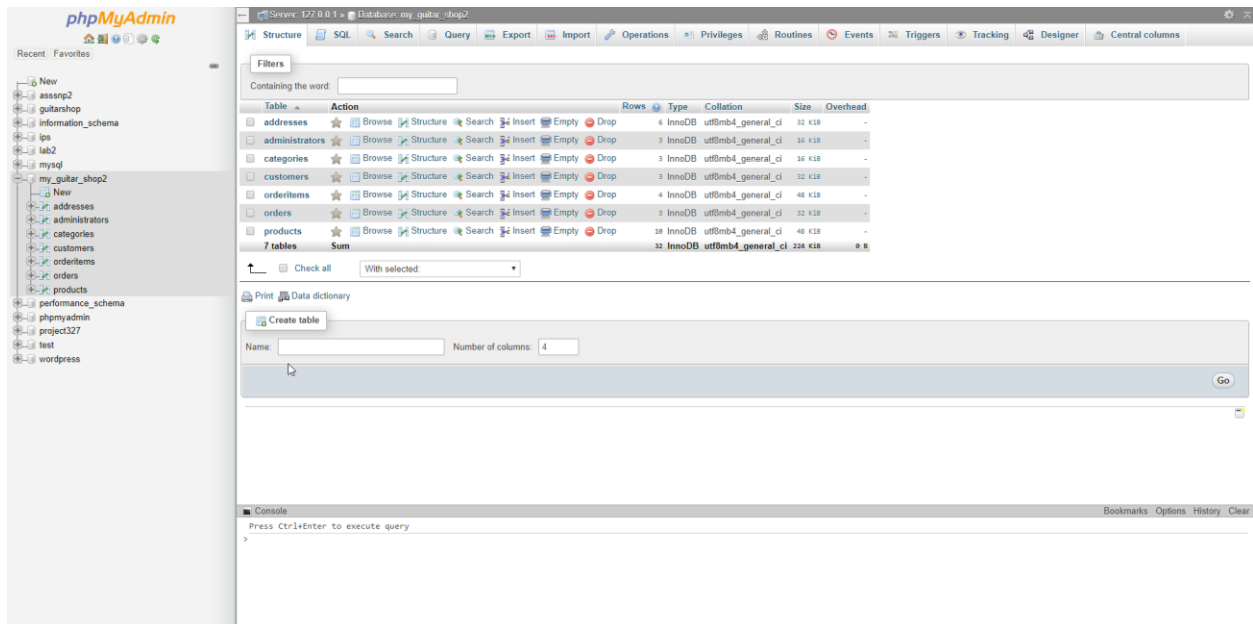
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Jhovis1@my.athens.edu

Assignment 28

In this exercise, you will run a script that creates a database named `my_guitar_shop2`. Then, you will create your own script that contains some statements that alter that database. Create a database by executing an existing script 1. If you haven't already done this, use a text editor to open the script named `my_guitar_shop2.sql` that was provided to you in a previous exercise. 2. Review the code and note how it creates the database named `my_guitar_shop2`. \ 3. Use phpMyAdmin to execute this script. Then, view the structure of the database. Create a script that alters the database 4. Use your text editor to create a file named `customers_alter.sql` that you'll use for storing a script. Place comments at the top of the file with your name on it. 5. Write an ALTER TABLE statement that adds a column named `middleInitials` to the `customers` table. This column should store up to 3 characters, allow NULL values, and be added after the `firstName` column. 6. Write an ALTER TABLE statement that modifies the `customers` table so the `lastName` column can store up to 100 characters. 7. Use phpMyAdmin to test this script. Then, use phpMyAdmin to view the structure of the database. Check to make sure the `middleInitials` column has been added and that the data type for the `lastName` column has been changed.

a. Image of the database structure before any changes



my_guitar_shop2.categories categoryID : int(11) categoryName : varchar(255)	my_guitar_shop2.administrators adminID : int(11) emailAddress : varchar(255) password : varchar(255) firstName : varchar(255) lastName : varchar(255)	my_guitar_shop2.addresses addressID : int(11) customerID : int(11) line1 : varchar(60) line2 : varchar(60) city : varchar(40) state : varchar(2) zipCode : varchar(10) phone : varchar(12) disabled : tinyint(1)
my_guitar_shop2.orderitems itemID : int(11) orderID : int(11) productID : int(11) itemPrice : decimal(10,2) discountAmount : decimal(10,2) quantity : int(11)	my_guitar_shop2.customers customerID : int(11) emailAddress : varchar(255) password : varchar(60) firstName : varchar(60) lastName : varchar(60) shipAddressID : int(11) billingAddressID : int(11)	my_guitar_shop2.orders orderID : int(11) customerID : int(11) orderDate : datetime shipAmount : decimal(10,2) taxAmount : decimal(10,2) shipDate : datetime shipAddressID : int(11) cardType : int(11) cardNumber : char(16) cardExpires : char(7) billingAddressID : int(11)
my_guitar_shop2.products productID : int(11) categoryID : int(11) productCode : varchar(10) productName : varchar(255) description : text listPrice : decimal(10,2) discountPercent : decimal(10,2) dateAdded : datetime		

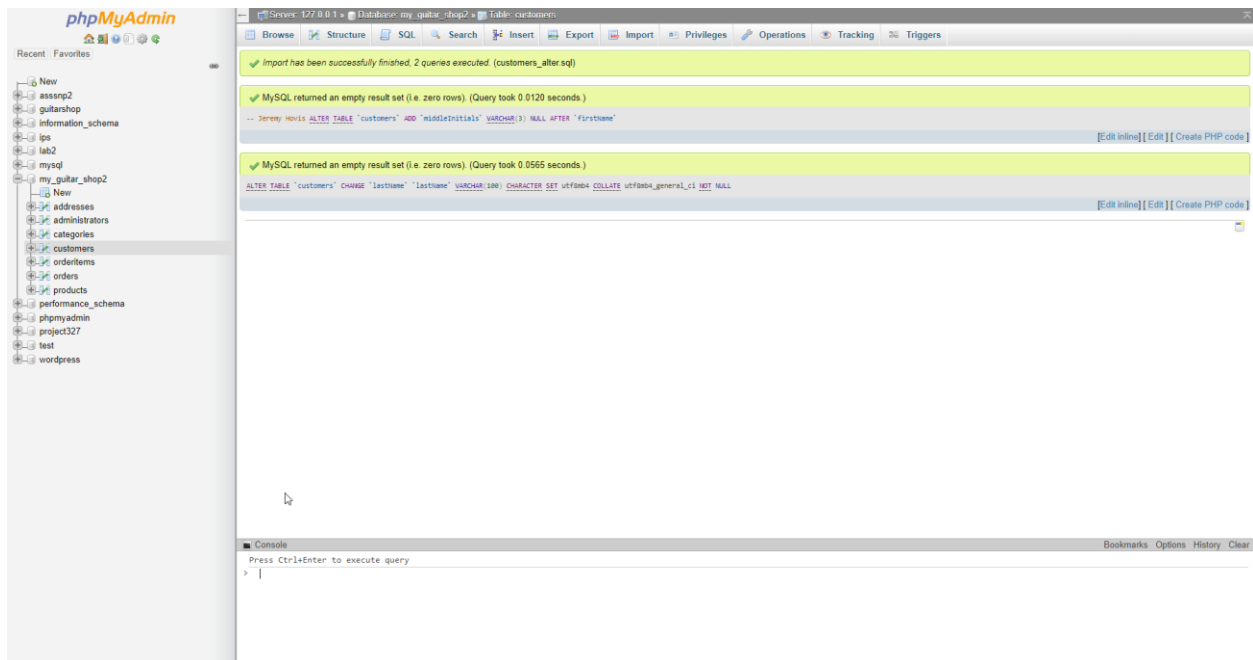
b. Image of the customer table before any changes

☐ Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

	customerID	emailAddress	password	firstName	lastName	shipAddressID	billingAddressID
<input type="checkbox"/> Edit Copy Delete	1	allan.sherwood@yahoo.com	650215accec746f0e32bdf387439eefc1358737	Allan	Sherwood	1	2
<input type="checkbox"/> Edit Copy Delete	2	barryz@gmail.com	3f563468d42a448cb1e56924529f6e7bbe529cc7	Barry	Zimmer	3	4
<input type="checkbox"/> Edit Copy Delete	3	christineb@solarone.com	ed19f5c0833094026a2f1e9e6f08a35d26037066	Christine	Brown	5	6

☐ Check all | With selected: Edit Copy Delete Export

c. Image of the database structure after changes



d. Image of the customer table after changes

Showing rows 0 - 2 (3 total, Query took 0.0004 seconds.)

SELECT * FROM `customers`

Options: Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

	customerID	emailAddress	password	firstName	middleInitials	lastName	shipAddressID	billingAddressID
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	1	allan.sherwood@yahoo.com	650215acec746f0e32bdf387439eefc1358737	Allan	NULL	Sherwood	1	2
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	2	barryz@gmail.com	3f563468d42a448cb1e56924529f6e7bbe529cc7	Barry	NULL	Zimmer	3	4
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	3	christineb@solarone.com	ed19f5c0833094026a2f1e9e6f08a35d26037066	Christine	NULL	Brown	5	6

Options: Check all | With selected: ☐ Edit ☐ Copy ☐ Delete ☐ Export

Options: Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

Navigation: Browse | Structure | SQL | Search | Insert | Export | Import | Privileges | Operations | Tracking

Table structure | Relation view

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	customerID	int(11)			No	None		AUTO_INCREMENT	<input type="checkbox"/> Change <input type="checkbox"/> Drop <input type="checkbox"/> More
2	emailAddress	varchar(255)	utf8mb4_general_ci		No	None			<input type="checkbox"/> Change <input type="checkbox"/> Drop <input type="checkbox"/> More
3	password	varchar(60)	utf8mb4_general_ci		No	None			<input type="checkbox"/> Change <input type="checkbox"/> Drop <input type="checkbox"/> More
4	firstName	varchar(60)	utf8mb4_general_ci		No	None			<input type="checkbox"/> Change <input type="checkbox"/> Drop <input type="checkbox"/> More
5	middleInitials	varchar(3)	utf8mb4_general_ci		Yes	NULL			<input type="checkbox"/> Change <input type="checkbox"/> Drop <input type="checkbox"/> More
6	lastName	varchar(100)	utf8mb4_general_ci		No	None			<input type="checkbox"/> Change <input type="checkbox"/> Drop <input type="checkbox"/> More
7	shipAddressID	int(11)			Yes	NULL			<input type="checkbox"/> Change <input type="checkbox"/> Drop <input type="checkbox"/> More
8	billingAddressID	int(11)			Yes	NULL			<input type="checkbox"/> Change <input type="checkbox"/> Drop <input type="checkbox"/> More