Critical Thinking Assignment 4: Modifying Tables

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ITS410: Database Management

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This documentation is part of the Critical Thinking 4 Assignment from ITS410: Database Management at Colorado State University Global. The documentation provides screenshots showcasing modifying tables using MySQL and the My Guitar Shop database.

The Assignment Direction:

Modifying Tables

Using the My Guitar Shop database you installed in Module 1, develop the following queries. To test whether a table has been modified correctly as you do these exercises, you can write and run an appropriate SELECT statement.

1. Write an INSERT statement that adds this row to the Categories table:

category name: Brass

Code the INSERT statement so MySQL automatically generates the $category_id$ column. Execute the query and take a screenshot of the query and the results.

- 2. Write an UPDATE statement that modifies the row you just added to the Categories table. This statement should change the <code>category_name</code> column to "<code>Woodwinds</code>," and it should use the <code>category_id</code> column to identify the row. Execute the query and take a screenshot of the query and the results.
- 3. Write a DELETE statement that deletes the row you added to the categories table in exercise 1. This statement should use the category_id column to identify the row. Execute the query and take a screenshot of the query and the results.
- 4. Write an INSERT statement that adds this row to the products table:

product id: The next automatically generated ID

category id: 4

product code: dgx 640

product name: Yamaha DGX 640 88-Key Digital Piano

description: Long description to come

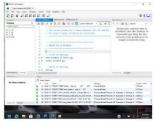
list price: 799.99

discount percent: 0

date_added: Today's date/time

Use a column list for this statement. Execute the query and take a screenshot of the query and the results

All the screenshots should show current date. Example of screenshot.



Submit your labeled results screenshots in a Word file.

Screenshots

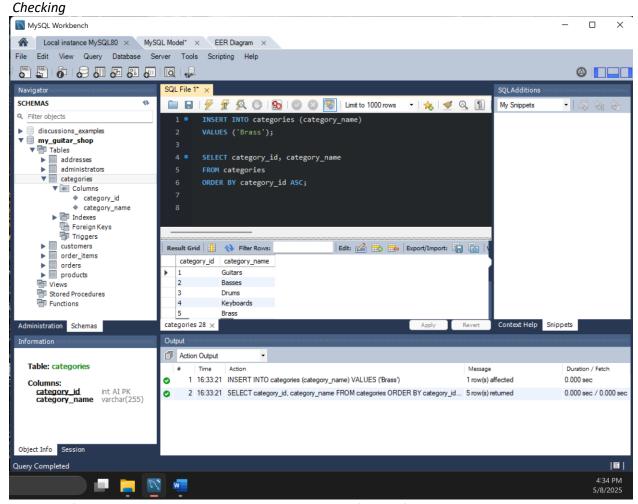
Step 1: Write an INSERT statement that adds this row to the categories table:

category_name:
Brass

Note that in Figure 1 below, MySQL Workbench provides the following information about the category id column: int AI PK

Int stands for integer, AI for Auto Increment (meaning that when a new row is inserted, the new value in the column <code>category_id</code> is an auto increment by +1 of the previous <code>category_id</code> value), and <code>PK</code> stands for Primary Key.

Figure 1

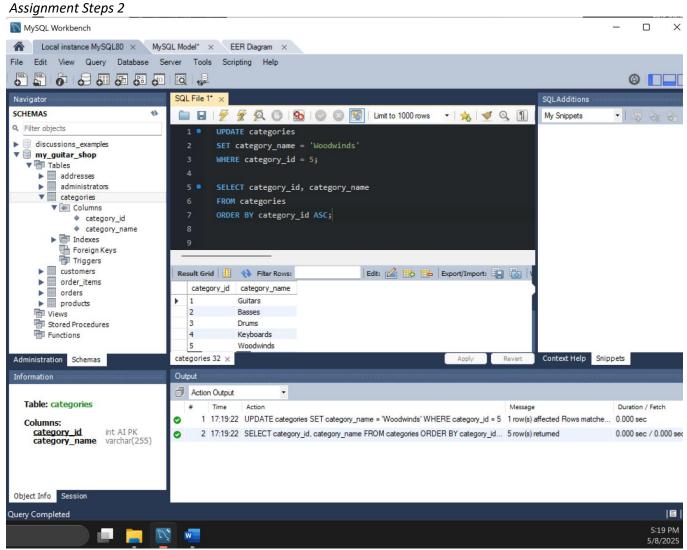


Note: The figure illustrates the MySQL Workbench result after performing steps 1.

Please see the next page.

Step 2: Writing an UPDATE statement that modifies the row that was just added to the Categories table. As shown in Figure 1, that row has a category id = 5

Figure 2

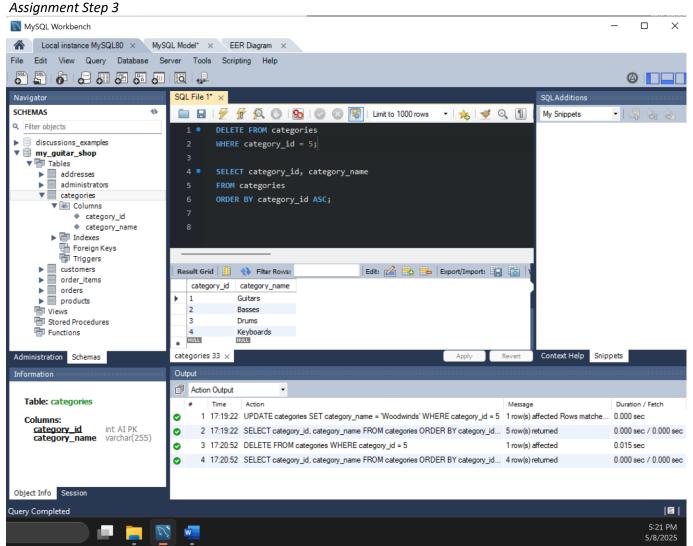


Note: The figure illustrates the MySQL Workbench result after performing steps 2.

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Step 3: Writing a DELETE statement that deletes the row that was added to the categories table in exercise 1.

Figure 3

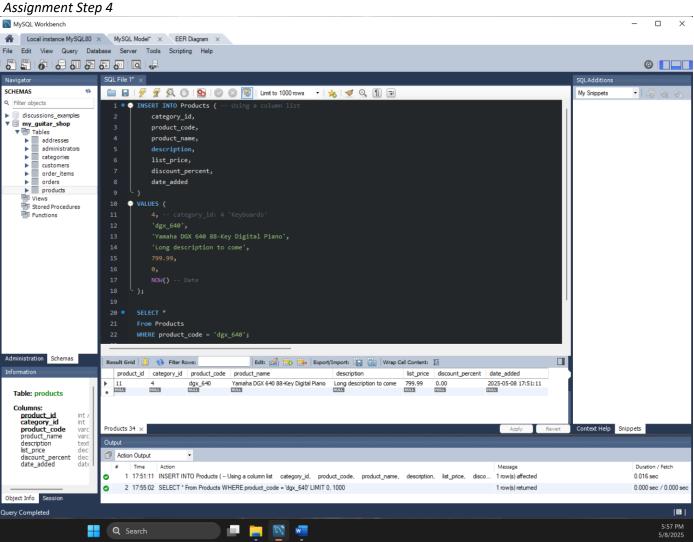


Note: The figure illustrates the MySQL Workbench result after performing steps 3.

Please see the next page.

Step 4: Writing an INSERT statement that adds this row to the products table. Similar to the category id column in the categories table, the product id is defined as: int AI PK

Figure 4



Note: The figure illustrates the MySQL Workbench result after performing steps 4.