Critical Thinking Assignment 6: Stored Procedures

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ITS410: Database Management

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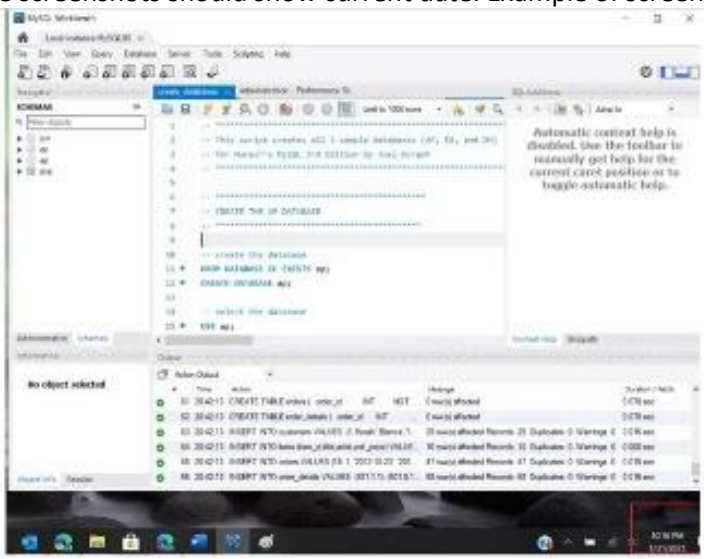
This documentation is part of the Critical Thinking 6 Assignment from ITS410: Database Management at Colorado State University Global. The documentation provides screenshots showcasing stored procedures using MySQL and the My Guitar Shop database.

The Assignment Direction:

Stored Procedures
Using the My Guitar Shop database you installed in Module 1, develop the following queries.

1. Write a script that creates and *calls* a stored procedure named `insert_category`.
2. First, code a statement that creates a procedure that adds a new row to the `Categories` table.
   - To do that, this procedure should have one parameter for the category name.
3. Code at least two `CALL` statements that test this procedure. (Note that this table doesn't allow duplicate category names.)
   - Execute the query and take a screenshot of the query and the results.
4. Write a script that creates and calls a stored function named `discount_price` that calculates the discount price of an item in the `Order_Items` table (discount amount subtracted from item price).
   - To do that, this function should accept one parameter for the item ID, and it should return the value of the discount price for that item.
   - Execute the query and take a screenshot of the query and the results.
5. Write a script that creates and calls a stored function named `item_total` that calculates the total amount of an item in the `Order_Items` table (discount price multiplied by quantity).
   - To do that, this function should accept one parameter for the item ID, it should use the `discount_price` function that you created in exercise 2, and it should return the value of the total for that item.
   - Execute the query and take a screenshot of the query and the results.

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

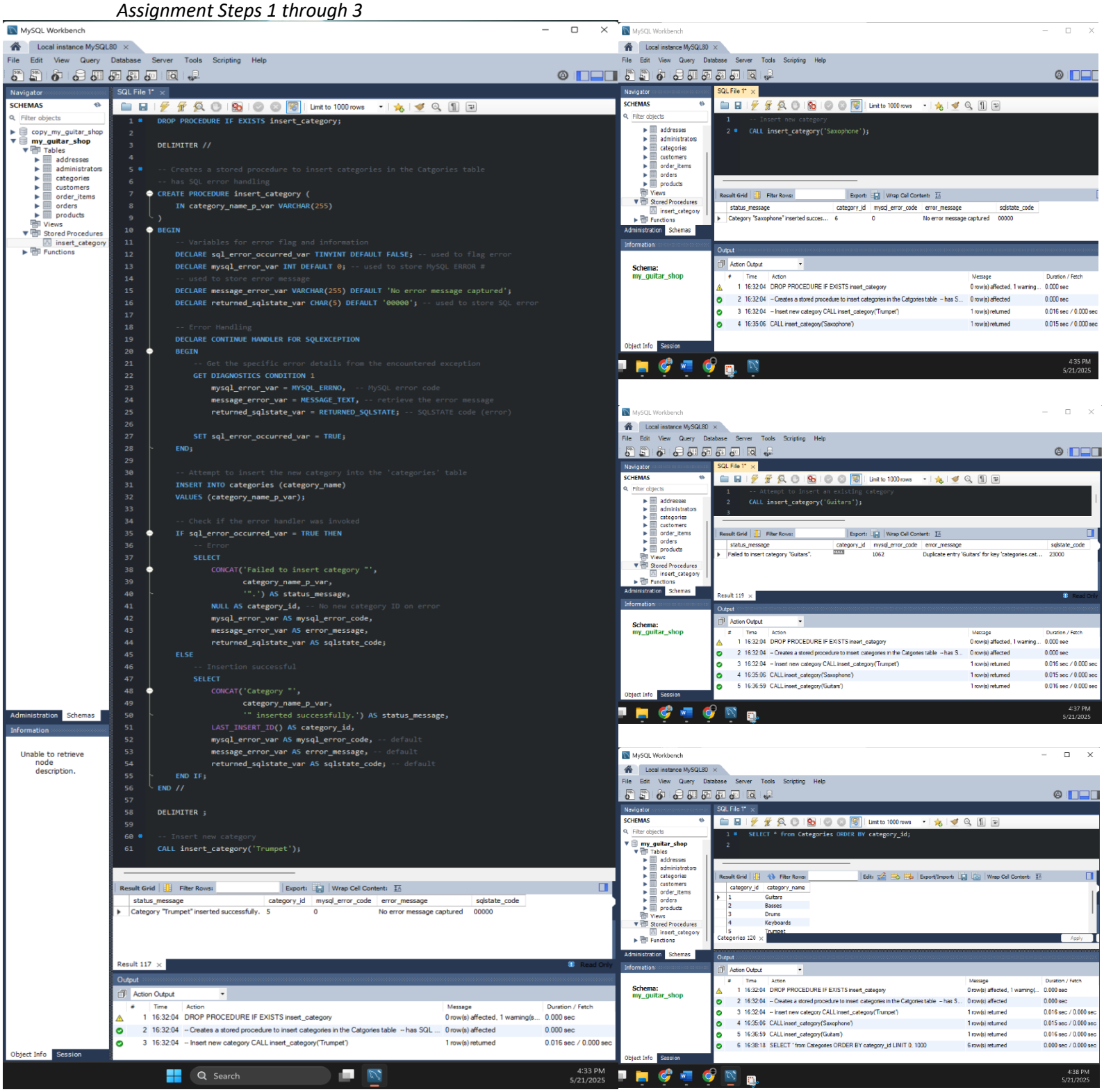


Submit your labeled results screenshots in a Word file.

Steps 1 through 3: Write a script that creates and *calls* a stored procedure named `insert_category`.

Figure 1

Assignment Steps 1 through 3

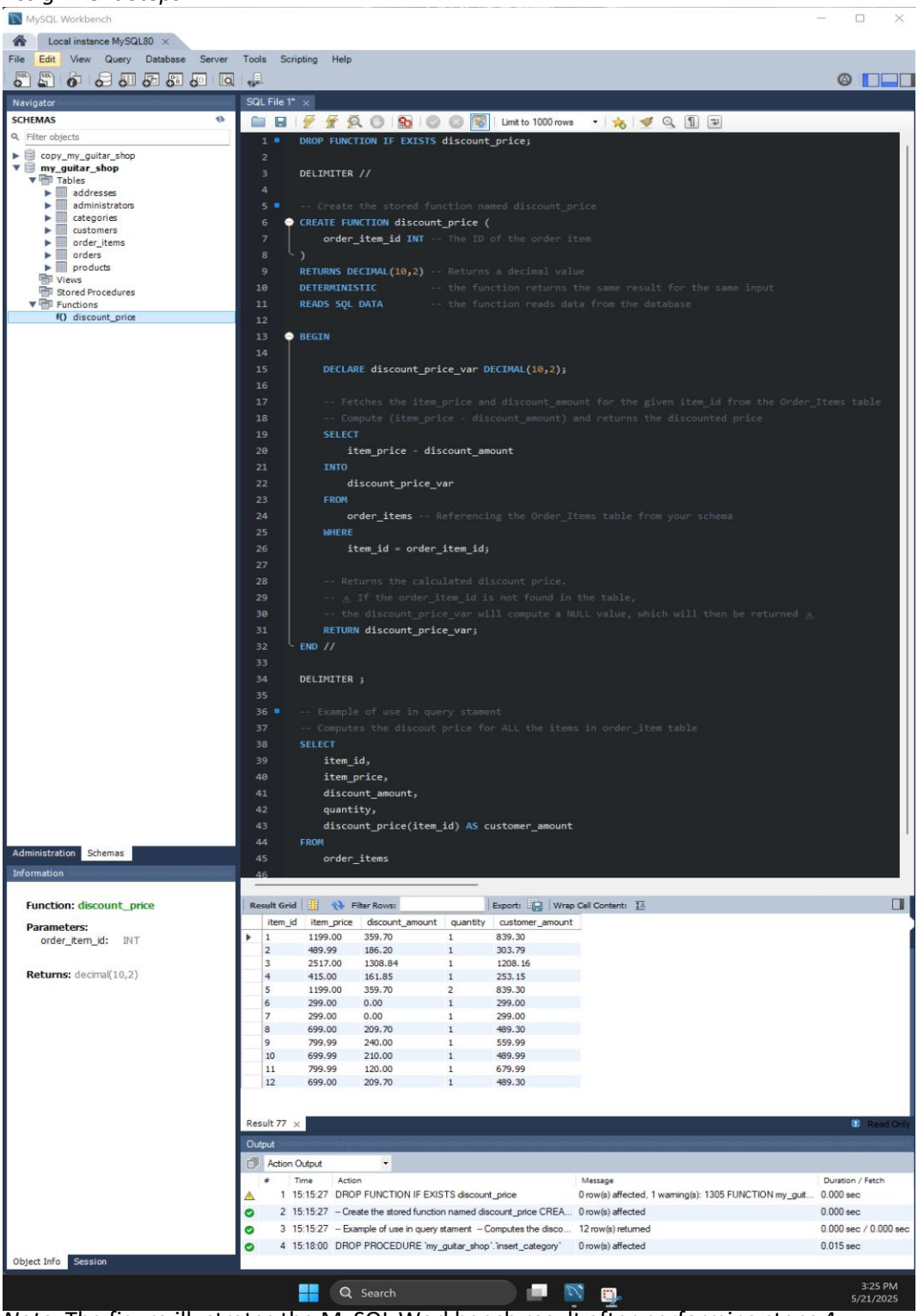


Note: The figure illustrates the MySQL Workbench result after performing steps 1 through 3.

Step 4: Write a script that creates and calls a stored function named discount_price that calculates the discount price of an item in the `Order_Items` table.

Figure 2

Assignment Steps 4

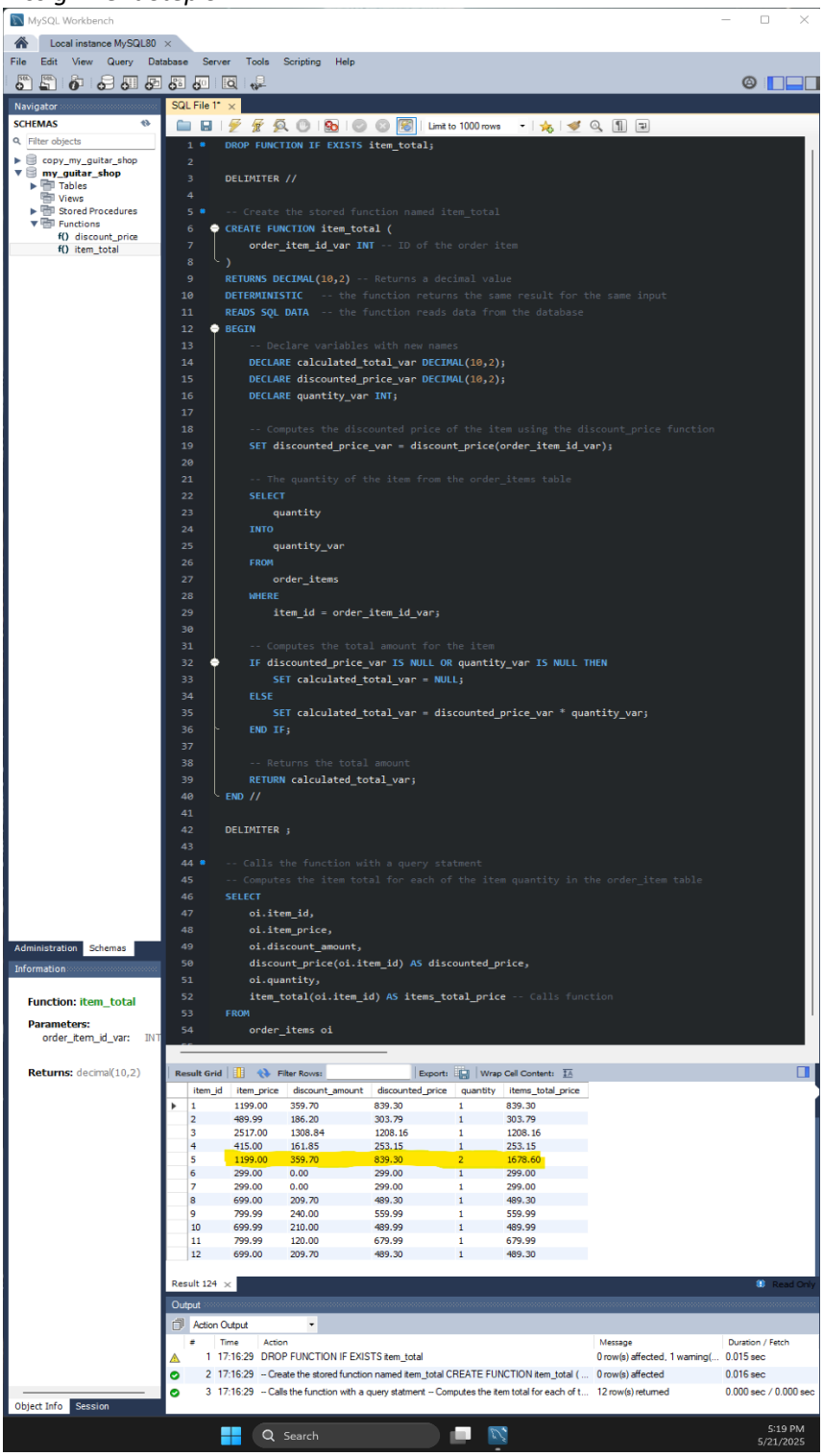


Note: The figure illustrates the MySQL Workbench result after performing steps 4.

Step 5: Write a script that creates and calls a stored function named `item_total` that calculates the total amount of an item in the `Order_Items` table.

Figure 3

Assignment Step 5



Note: The figure illustrates the MySQL Workbench result after performing steps 5.