Critical Thinking Assignment 1: Create MySQL Database

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ITS410: Database Management

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April 20, 2025

Critical Thinking Assignment 1: Create MySQL Database

This documentation is part of the Critical Thinking 1 Assignment from ITS410: Database Management at Colorado State University Global. The documentation provides screenshots showcasing the creation of the My Guitar Shop database using a script and additional scripts illustrating basic data querying.

The Assignment Direction:

Create MySQL Database
You will use MySQL Workbench to create the My Guitar Shop database to review the tables in this database and to enter SQL statements and run them against this database.

Make sure the MySQL server is running

1. Start MySQL Workbench and open a connection for the root user.
2. Check whether the MySQL server is running. If it isn't, start it.

Use MySQL Workbench to create the My Guitar Shop database.

3. Download and open the script file named **my_guitar_shop.sql** by clicking the Open SQL Script File button in the SQL Editor toolbar. Then, use the resulting dialog box to locate and open the file.
4. Execute the entire script by clicking the Execute SQL Script button in the SQL editor toolbar or by pressing Ctrl+Shift+Enter. When you do, the Output window displays messages that indicate whether the script executed successfully. Take a screenshot.

Use MySQL Workbench to enter and run SQL statements

5. Double-click on the my_guitar_shop database to set it as the default database. When you do that, MySQL Workbench should display the database in bold.
6. Open a SQL editor tab. Then, enter and run this SQL statement:

SELECT product_name FROM products

Take a resulting screenshot.

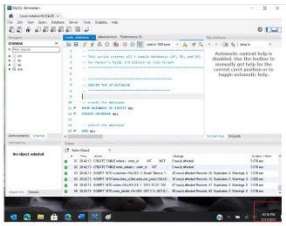
7. Delete the *e* at the end of product_name and run the statement again. Note the error number and the description of the error. Take a resulting screenshot.
8. Open another SQL editor tab. Then, enter and run this statement:

SELECT COUNT(*) AS number_of_products
FROM products

Use MySQL Workbench to open and run scripts

9. Download and open the script named **product_details.sql**. Note that this script contains just one SQL statement. Then, run the statement. Take a resulting screenshot.
10. Download and open the script named **product_summary.sql.** Note that this opens another SQL editor tab. Then, run the statement. Take a resulting screenshot.
11. Download and open the script named **product_statements.sql**. Notice that this script contains two SQL statements that end with semicolons. Then, run the statement. Take a resulting screenshot.

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

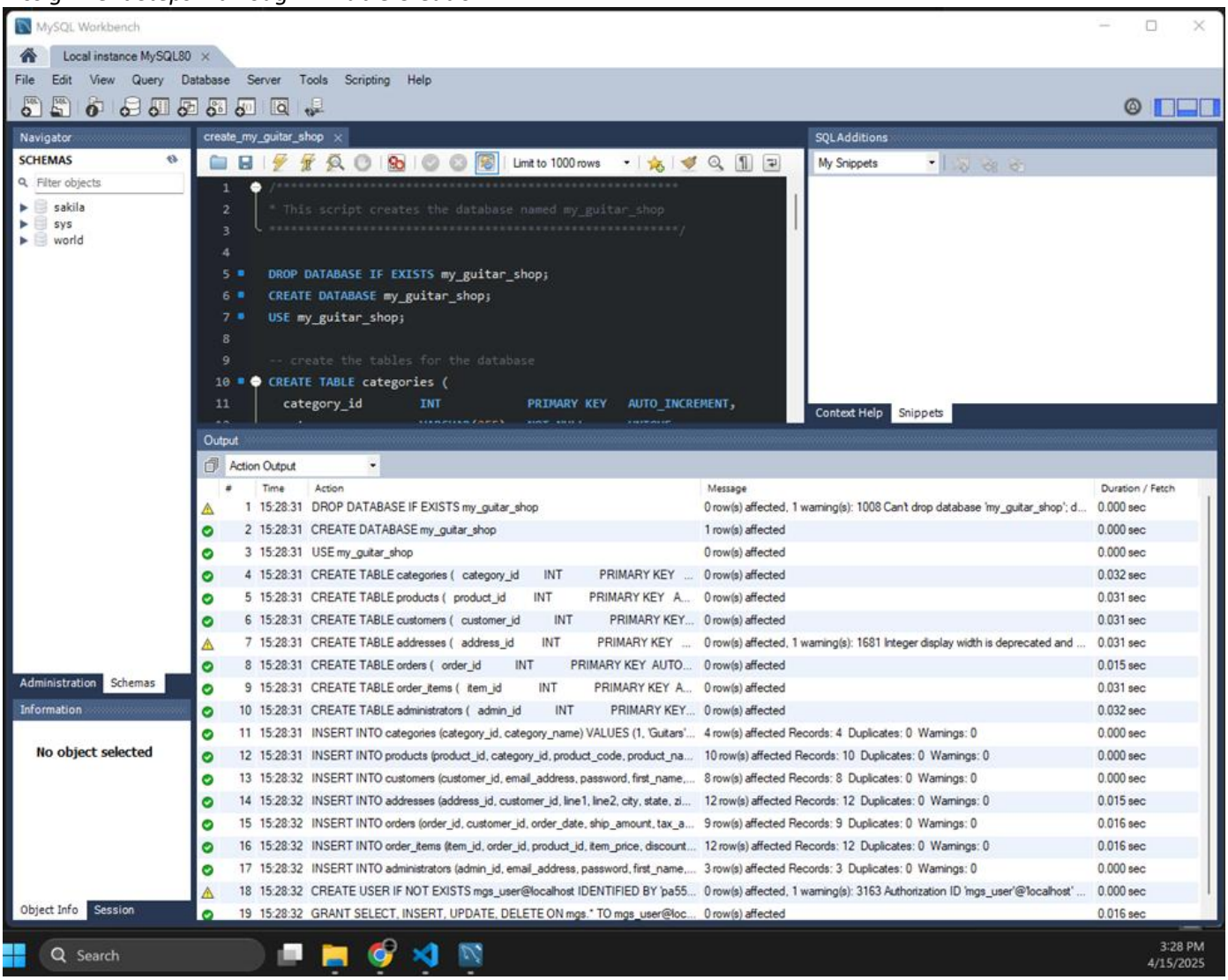


Submit your labeled results screenshots in a Word file.

Screenshots

Figure 1

Assignment Steps 1 through 4: Table Creation

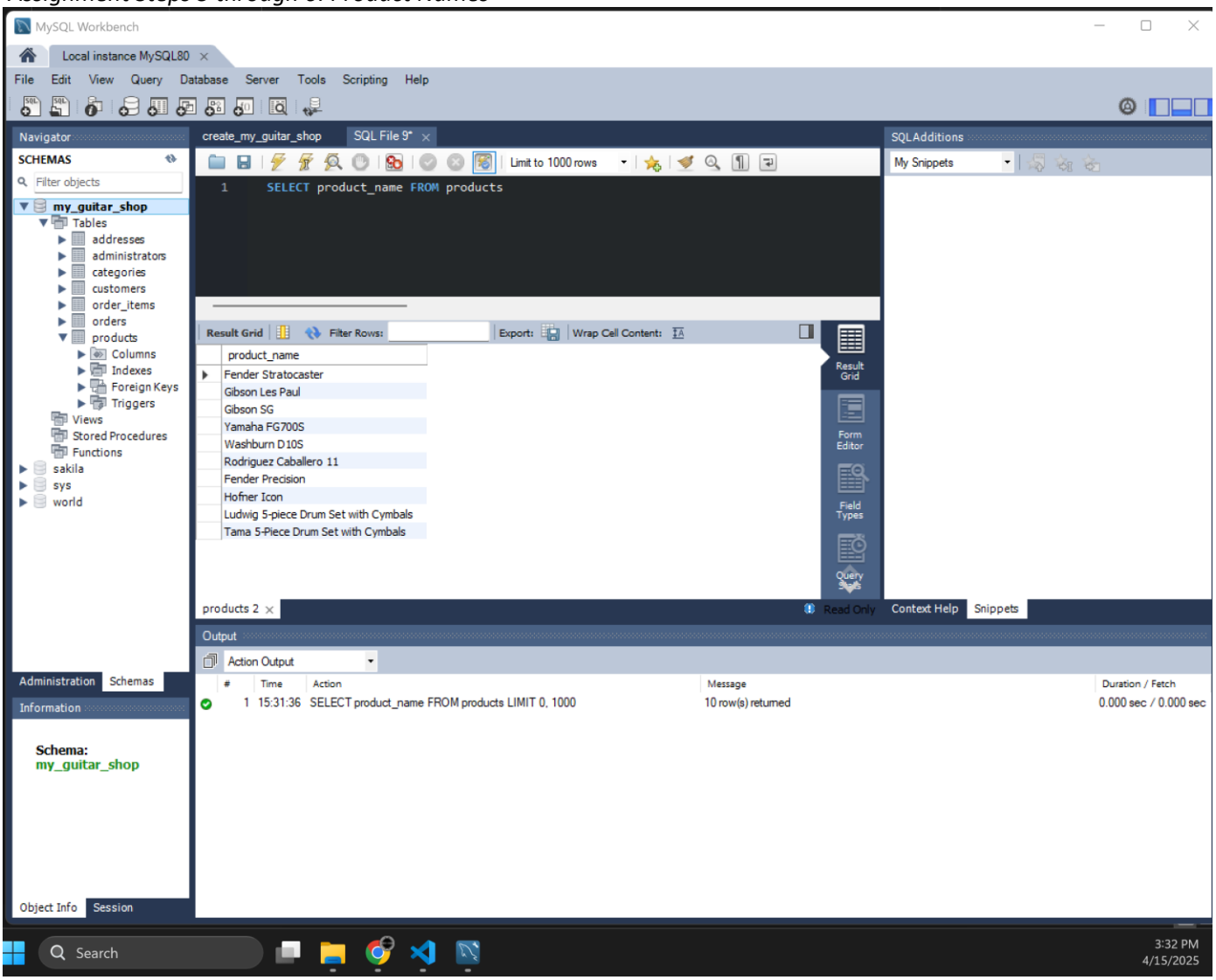


Note: The figure illustrates the MySQL Workbench result after performing steps 1 through 4, my_guitar_shop table creation. Line 19 is the last line in the Output window, showing a log of the actions performed when executing the MySQL script (create_my_guitar_shop.sql)

Please see the next page.

Figure 2

Assignment Steps 5 through 6: Product Names

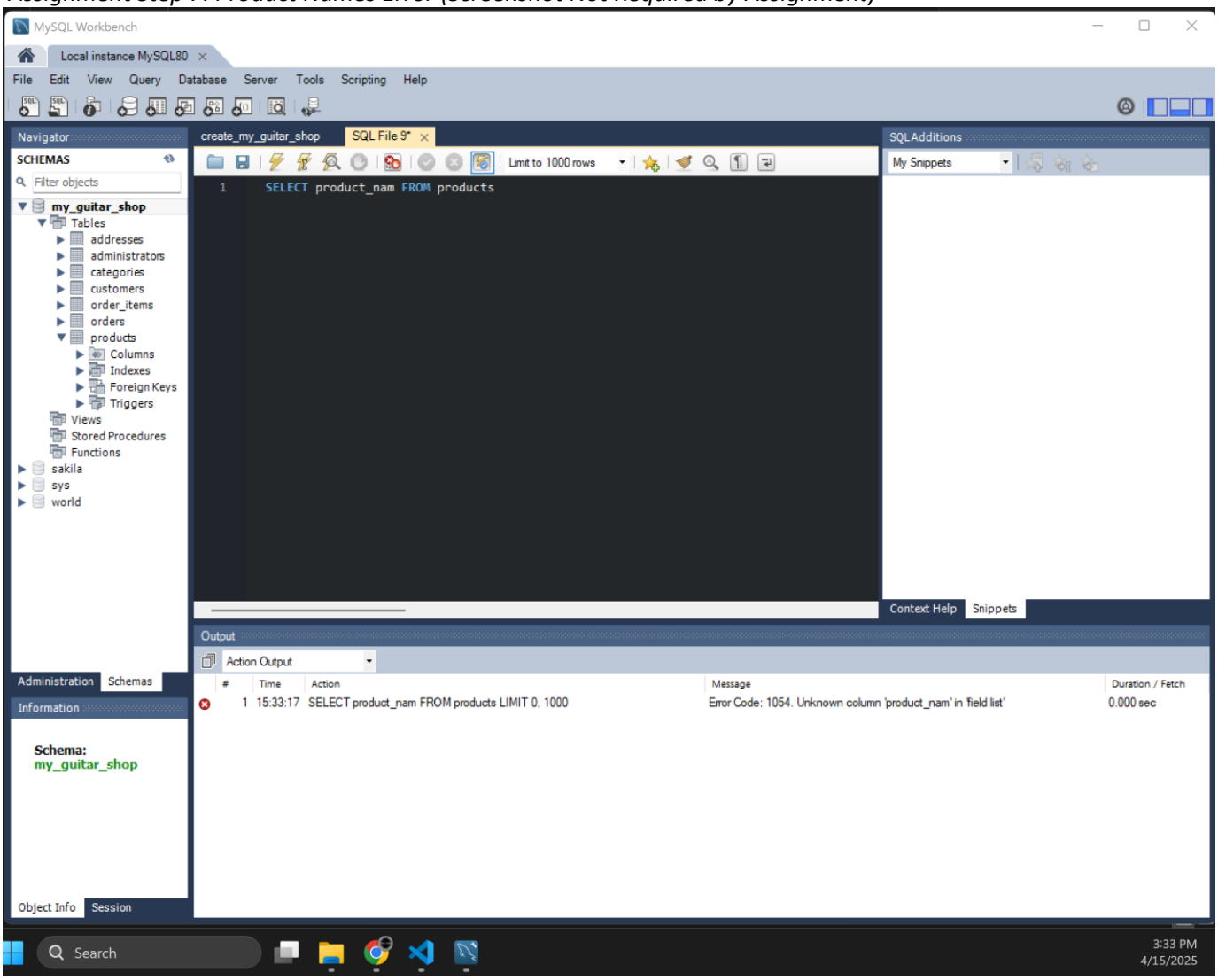


Note: The figure illustrates the MySQL Workbench result after performing steps 5 through 6: *Product Names*.

Please see the next page.

Figure 3

Assignment Step 7: Product Names Error (Screenshot Not Required by Assignment)

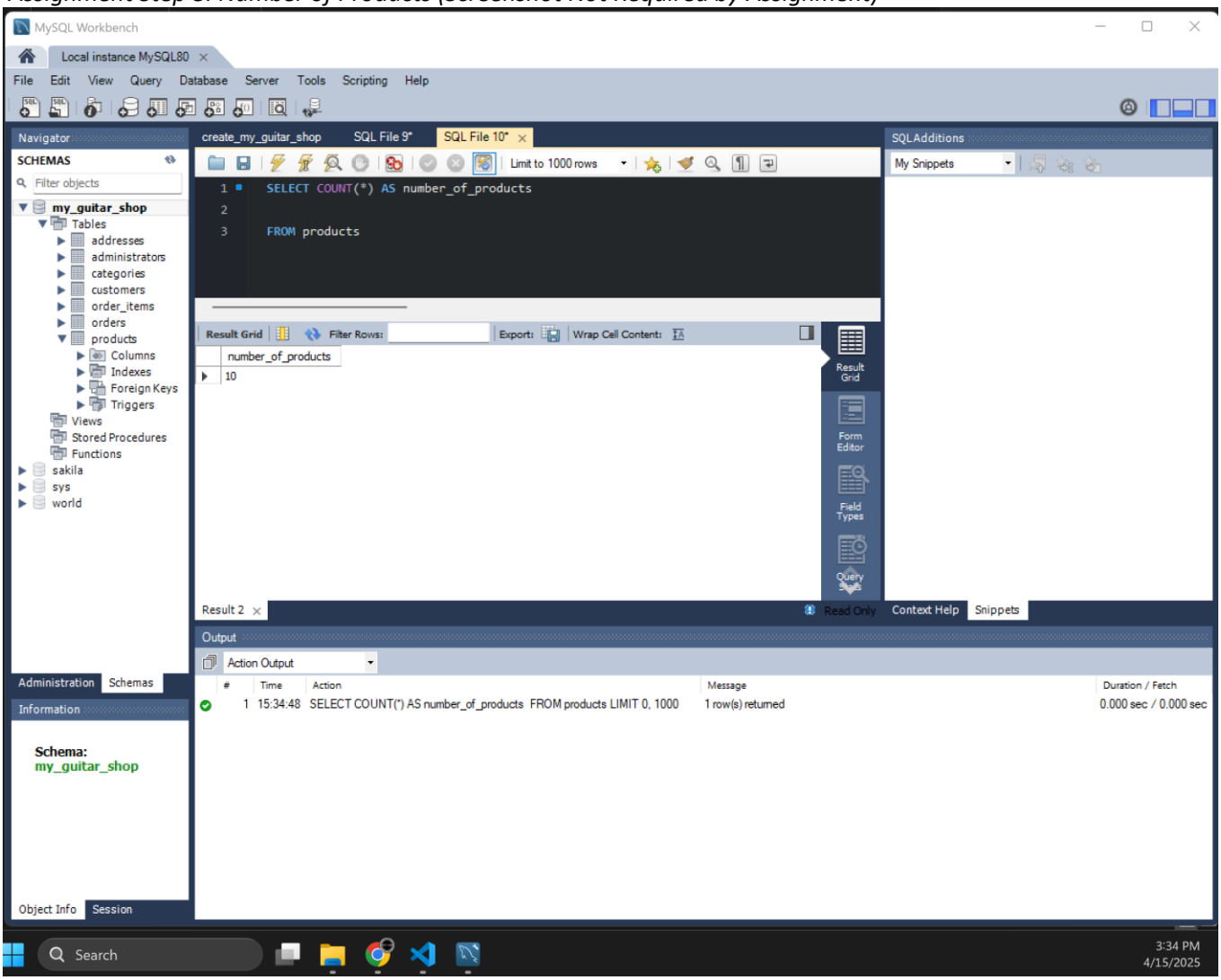


Note: The figure illustrates the MySQL Workbench result after performing steps 7: *Product Names Error (Screenshot Not Required by assignment).*

Please see the next page.

Figure 4

Assignment Step 8: Number of Products (Screenshot Not Required by Assignment)

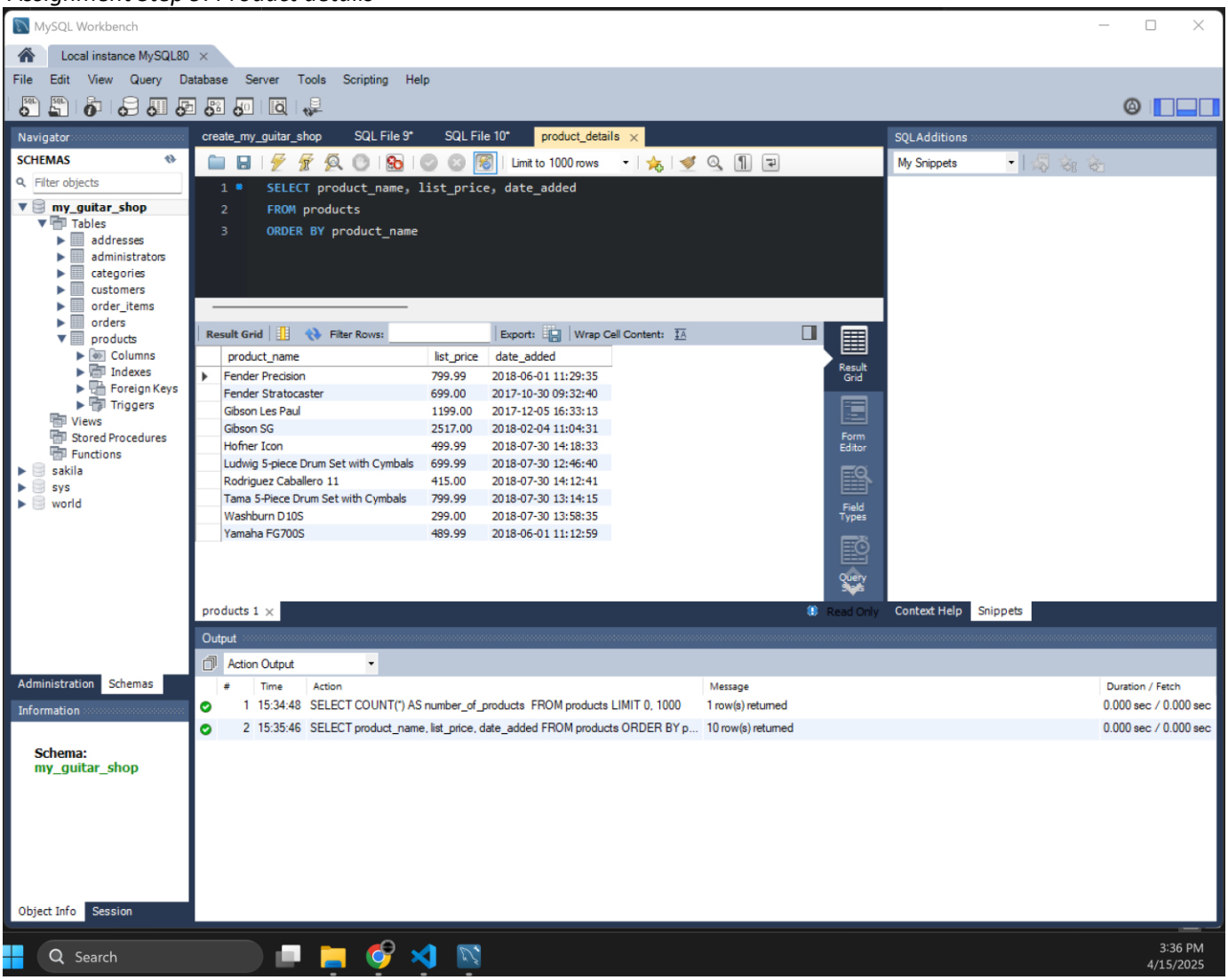


Note: The figure illustrates the MySQL Workbench result after performing step 8: Number of Products (Screenshot Not Required by assignment).

Please see the next page.

Figure 5

Assignment Step 9: Product details

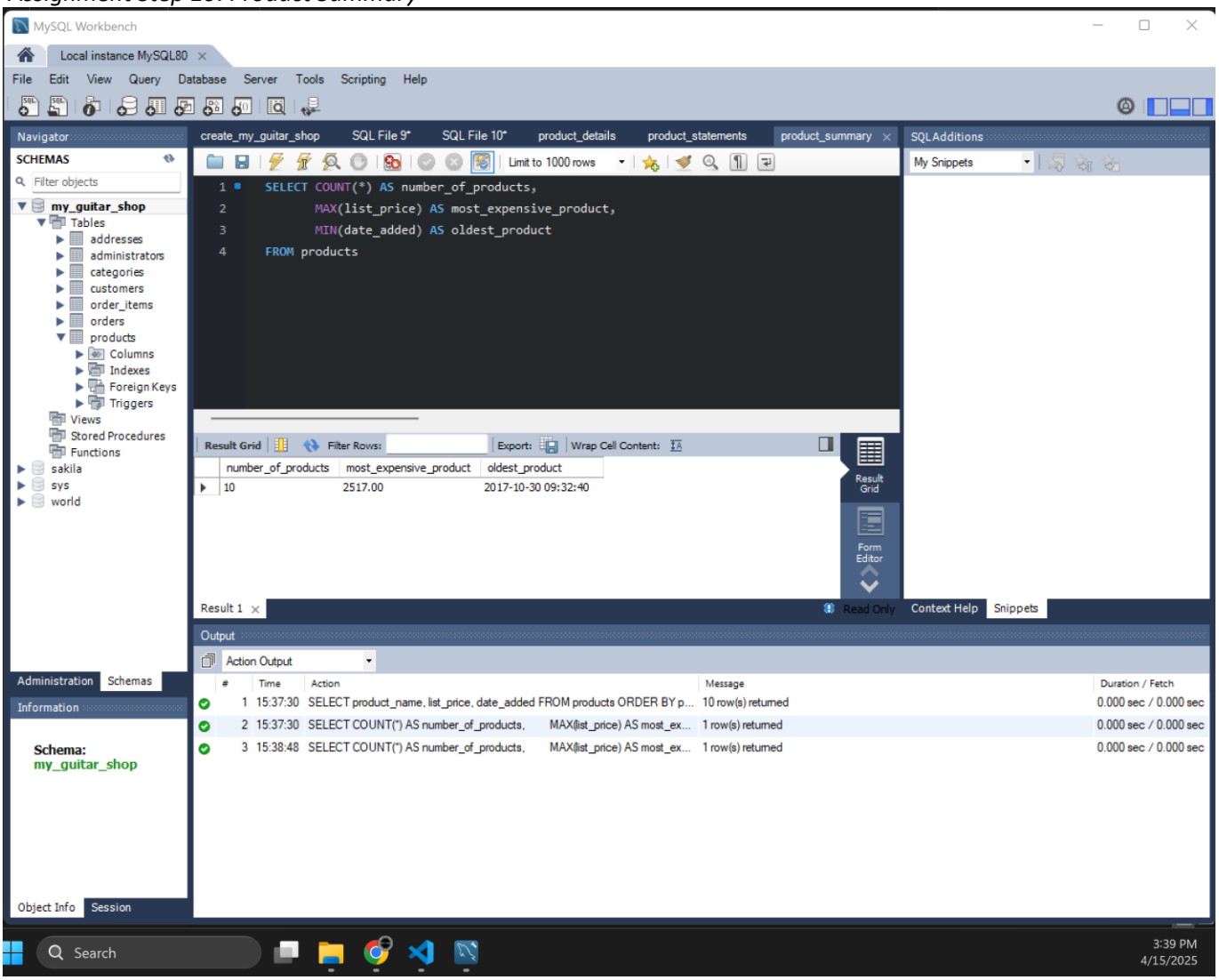


Note: The figure illustrates the MySQL Workbench result after performing step 9: Product details.

Please see the next page.

Figure 6

Assignment Step 10: Product Summary

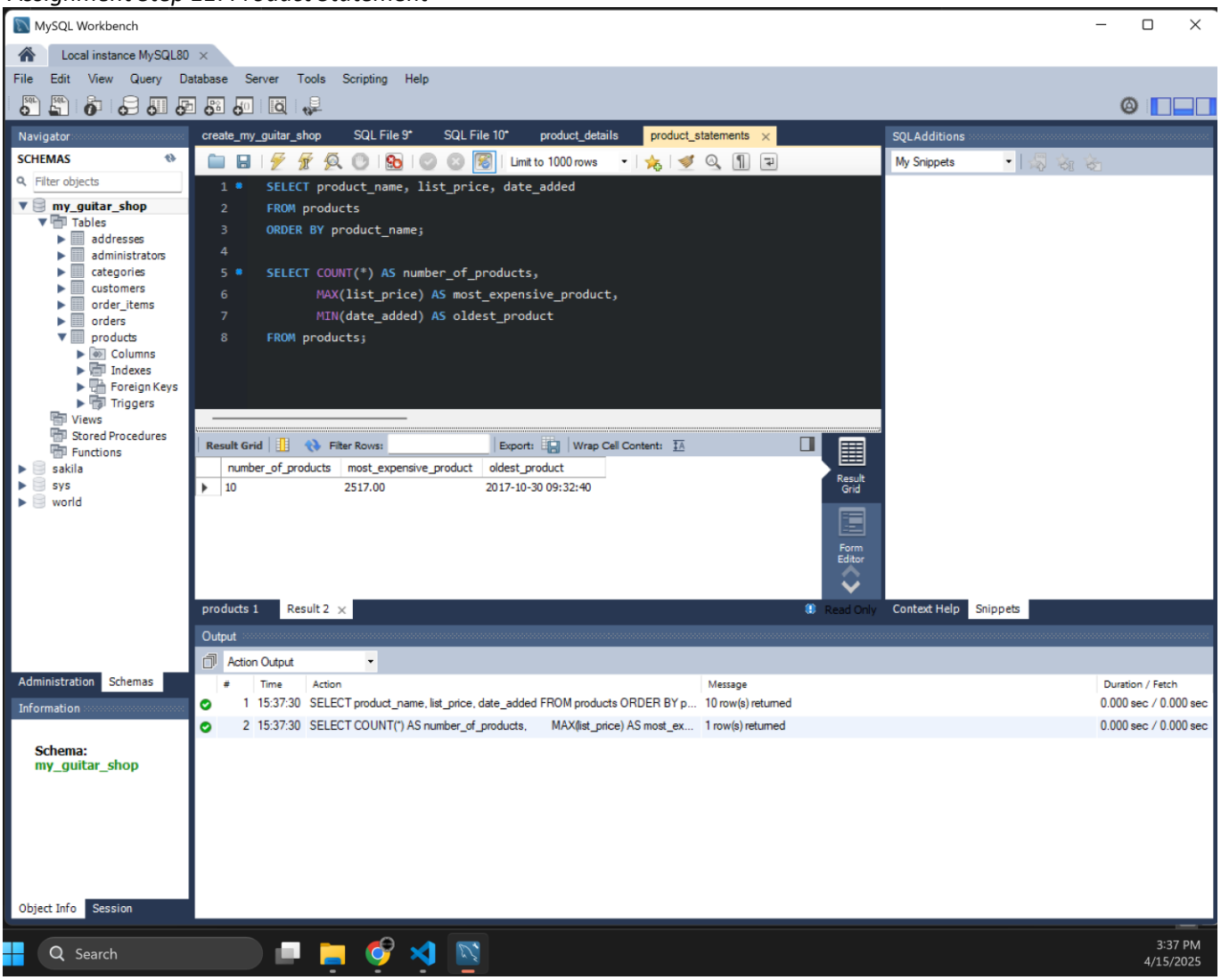


Note: The figure illustrates the MySQL Workbench result after performing step 10: Product Summary.

Please see the next page.

Figure 7

Assignment Step 11: Product Statement



Note: The figure illustrates the MySQL Workbench result after performing step 11: Product Statement.