Murach 3e Chapter 8 Coding Assignment Instructions

Exercises to be Completed
<mark>Please complete Exercises 1 – 2</mark>. You will find those exercises on the attached sheet(s).

General Instructions
My expectations for your work on coding assignment exercises will grow as we progress through the course. In addition to applying any new coding techniques that have been covered in the current chapter, <mark>I will be expecting you to follow all of the good practices that we have adopted</mark> in the preceding weeks. Here is a quick summary of good practices that we have covered so far:

- Begin each script file that accesses the database with a USE statement (e.g., USE my_guitar_shop;).
- Use the *beautify* feature of the MySQL Workbench to *pretty-print* your code.
- End each statement in your script with a semicolon.
- Use the SQL features requested in the exercise description and/or covered in the chapter.
- Always include an ORDER BY in SELECT statements unless directed otherwise. If the exercise instructions ask for a particular order, then use that. Otherwise, choose any reasonable order.
- In SELECT statements that use JOIN, always use the explicit (ANSI) JOIN syntax implemented in the FROM clause. Do NOT use the implicit JOIN syntax implemented using the WHERE clause.
- When testing SELECT statements that use summary functions, always test with the ONLY_FULL_GROUP_BY setting set to ON.
- Do NOT include extra or unnecessary code in the script.

Tools
Use MySQL Workbench to create and test all scripts.

Submission Method
Use the following process to submit your work for this assignment:

- Locate the properly named directory associated with your assignment in the file system (see *File and Directory Naming,* below).
- Compress that directory into a single .ZIP file using a utility program. <mark>NOTE: Only one file may be submitted. File types other than .ZIP will not be accepted and will receive a grade of zero.</mark>
- Submit the properly named zip file to the submission activity for this assignment.

File and Directory Naming

<mark>Please note that file and directory names must be in all lower case. Deductions will be made for submissions that do not follow this standard.</mark>

Please use the following naming scheme for the directory that holds your scripts:

`surname_givenname_mgs_chap_08`

If this were my own project, I would name my PyCharm project as follows:

`trainor_kevin_mgs_chap_08`

A separate solution script file must be submitted for each exercise. Solution scripts must be named using the following form: ex_xx_yy.sql (where xx is the two-digit chapter number [04] and yy is the two-digit exercise number [01]). So, an example of a properly formed solution script file example would be:

`ex_08_01.sql`

Use a zip utility to create one zip file that contain the PyCharm project directory. The zip file should be named according to the following scheme:

`surname_givenname_mgs_chap_08.zip`

If this were my own project, I would name the zip file as follows:

`trainor_kevin_mgs_chap_08.zip`

Due By

Please submit this assignment by the date and time shown in the Weekly Schedule.

Last Revised
2021-02-26

Please see the exercises on the attached sheets

Chapter 8

How to work with data types

Exercises

1. Write a SELECT statement that returns these columns from the Products table:

    The list_price column

    A column that uses the FORMAT function to return the list_price column with 1 digit to the right of the decimal point

    A column that uses the CONVERT function to return the list_price column as an integer

    A column that uses the CAST function to return the list_price column as an integer

2. Write a SELECT statement that returns these columns from the Products table:

    The date_added column

    A column that uses the CAST function to return the date_added column with its date only (year, month, and day)

    A column that uses the CAST function to return the date_added column with just the year and the month

    A column that uses the CAST function to return the date_added column with its full time only (hour, minutes, and seconds)