# Author: Jeffrey Nicholls

# Title: Lab 5

# Date: February 9th, 2021

# Class: STY 1211

# Making sure the proper database is used

use my\_guitar\_shop;

# Question 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.

insert into categories (category\_id, category\_name)

values (default, "Brass");

# Question 2:

# Write an UPDATE statement that modifies the row you just added to the Categories table.

# This statement should change the category\_name column to “Woodwinds”, and it should use

# the category\_id column to identify the row.

update categories

set category\_name = "Woodwinds"

where category\_id = (select category\_id from categories where category\_name = "Brass");

# Question 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.

delete from categories

where category\_id = (select category\_id from categories where category\_name = "Woodwinds");

# Question 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

insert into products

(product\_id, category\_id, product\_code, product\_name, descrption, list\_price, discount\_percent, date\_added)

values

(default, 4, "dgx\_640", "Yamaha DGX 640 88-Key Digital Piano", "Long description to come.", 799.99, 0, now());

# Question 5:

# Write an UPDATE statement that modifies the product you added in exercise 4.

# This statement should change the discount\_percent column from 0% to 35%.

update products

set discount\_percent = 35

where product\_id = (select product\_id from products where product\_name = "Yamaha DGX 640 88-Key Digital Piano");

# Question 6:

# Write an INSERT statement that adds this row to the Customers table:

# email\_address: rick@raven.com

# password: (empty string)

# first\_name: Rick

# last\_name: Raven

# Use a column list for this statement.

insert into customers

(email\_address, password, first\_name, last\_name)

values

("rick@raven.com", "", "Rick", "Raven");

# Question 7:

# Write an UPDATE statement that modifies the Customers table. Change the password

# column to “secret” for the customer with an email address of rick@raven.com.

update customers

set password = "secret"

where customer\_id = (select customer\_id from customers where email\_address = "rick@raven.com");

# Question 8:

# Write an UPDATE statement that modifies the Customers table. Change the password

# column to “reset” for every customer in the table. If you get an error due to

# safe-update mode, you can add a LIMIT clause to update the first 100 rows of the table.

# (This should update all rows in the table.)

update customers

set password = "reset"

limit 100;

# Question 9:

# Open the script named create\_my\_guitar\_shop.sql that’s in the mgs\_ex\_starts directory.

# Then, run this script. That should restore the data that’s in the database

## Data has been reset to the original db