**Comp2138 Assignment 2**

**Due Fri April 21st**

**You will use SQL and My Guitar Shop database to create SQL statements.**

**Save your select statements as a script. Place the semicolon at the end of each SQL statement.**

**Please number your answers from 1 to 4 in your script and comment out each number. As well include your name and student number as a comment at the top of your script.**

**The name of the script has to be Assignment2\_YourName.**

1. Write a script that creates and calls a stored procedure named insert\_category. 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.

Code at least two CALL statements that test this procedure. (Note that this table doesn’t allow duplicate category names.)

1. 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.

Code a SELECT statement that tests this function.

1. Create a trigger named products\_before\_update that checks the new value for the discount\_percent column of the Products table. This trigger should raise an appropriate error if the discount percent is greater than 100 or less than 0.

If the new discount percent is between 0 and 1, this trigger should modify the new discount percent by multiplying it by 100. That way, a discount percent of .2 becomes 20.

Test this trigger with an appropriate UPDATE statement.

1. Create a trigger named products\_before\_insert that inserts the current date for the date\_added column of the Products table if the value for that column is null.

Test this trigger with an appropriate INSERT statement.