Assignment 4-Grouping Results (4% of total grade)

Format: Upload an SQL document to Blackboard (under ASSESSMENTS & TOOLS > Assignments > Database).
BE SURE TO PUT YOUR NAME AND STUDENT# IN THE FILENAME:
e.g. **DB-Assign4- *YourName-N0123456*.sql**

Purpose: To implement new keywords and clauses learned in Lesson 4 in order to provide grouped or, "aggregate", result sets.

Requirements: For this assignment, you will use the provided Pet Store data tables. Use the included .sql file to put your answers in and submit to Blackboard.

Part 1: MIN() & MAX() (1%)

A. "What is the lowest price of any *item*?" No need to provide the *item*, just the lowest price.

B. "What is the greatest quantity of any *item* in stock? No need to provide the *item*, just the largest quantity.

Part 2: Get Into Groups (1%)

A. Provide a count of employees grouped by *role*. Include the *role* and the count in your results.

B. Checking for contact info: Create a chart of employees grouped by *role* that shows the *role*, # of employees in that role, and # of phone numbers for that role.

Part 3: Challenge (1%)

A. Create a count of *items* by *category* that excludes the fish category ("piscine"). Put "Mammals" as the heading for the category.

B. Manager: "Inventory time. I need a total of in-stock items by each animal category, organized by fewest items to the most items. At the top of the chart I want to see 'In stock', and 'Animal'."

C. Manager: What is the "highest price" item from each category organized by the most expensive to least expensive?

D. Just as you go to the manager's office with the results from C, the Manager says, Oh, I need prices that are higher than $50. Note: the result set should show "Item", "Highest Price" at the top.