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

Format: Upload your queries and results on a MS Word or PDF to Blackboard (under ASSESSMENTS & TOOLS > Assignments > Database).
BE SURE TO PUT YOUR NAME AND STUDENT# IN THE FILENAME:
e.g. **DB-Assign4-** *YourName-N0123456***.doc/pdf**

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.

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 (2%)
   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" from each category organized by the most expensive to least expensive? The results will show : "Highest price", "Category."
   D. Just as you go to the manager's office with the results from C, the Manager says, Oh, I need the categories where the highest price is more than $50. Note: the result set should show "Highest Price", "Category" at the top.