

Assignment 3-Refining Data (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-Assign3- *YourName*-N012344.sql

Purpose: To implement new keywords and clauses learned in Lesson 3 in order to answer “human” questions more precisely.

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.

To put ourselves in a “real world” mindset for bridging the Human -- Computer gap, we will pretend that you are a database administrator for a pet store. The queries that you create will answer questions posed to you by your “employer” and “colleagues”. *NOTE: It is a good idea to run your queries on your database to make sure they are providing the desired result set before submitting them as answers in your .sql file.*

Part 1: Getting Logical (AND/OR) (1%)

- A. Accountant: “Can you give me all the details for the employees that are either the manager or the assistant manager?”
- B. Assistant Manager: “Our fish supplier called, can you show me all of the data for our fish (piscine) items that have an inventory count of less than 24?”

Part 2: LIKE it a Lot (1%)

- A. Customer: “What kind of cages do you have, and how much are they?”
HINT: What items do you have that end in “cage”?
- B. Customer: “I was speaking with one of your sales associates, but I can’t remember his name. It starts with F”. *HINT: What first name starts with F?*

Part 3: Providing a Range of Options (1%)

- A. The assistant manager is doing an inventory report and needs full details for all items with an id between 1010 and 1015 (inclusive).
- B. Customer: “I’m buying something for my friend’s dog, but my budget is \$10-\$20. What have you got in that range?”

Part 4: Bringing ORDER to Your Data (1%)

- A. The manager is creating a contact list. Create a query that provides the first names, last names, “Job Title” and phone numbers for all ***employees*** in alphabetical order by last name.
- B. Next week is “Murine Monday” and there will be a sale on select items for hamsters and guinea pigs. Provide the manager with a list of items (id, item, price, inventory) from this category that has more than 20 items in stock. It should be listed from the most expensive to the least expensive.