

Assignment 5-Retrieving Data from Multiple Tables (4% of total grade)

Format: Add your query in text and screenshot of your results table. Upload your assignment to Blackboard (folder : MySQL Assignments & Quizzes).

BE SURE TO PUT YOUR NAME IN THE FILENAME:

e.g. **DB-Assign5-YourName.doc/pdf**

Purpose: To practice data retrieval from multiple tables by joining tables in result sets.

Requirements: For this assignment, you will use the provided Pet Store data tables. **NOTE: a new *sales* table has been added.**

Part 1: What are the sales for a particular item? (1%)

- A. Select *date* (from *sales*), *item* (from *stock_items*) to get the items with a value of 1014.
- B. Find the employee numbers who sold item cat (feline) water dish. Include employee number, item number, category and item.

Part 2: What are the sales for a particular team member? (1%)

- A. Select *date* (from *sales*), first and last name (from *employees*), *item* (from *sales*) to show the sales from the employee with a value of 111.
- B. Find all sales by employees who have a SIN number that starts with either 258, 456 or 753. Include employee name (in one column), SIN, role, and item. Use right join.

Part 3: What a week! and Go Team! (1%) sat 12 - fri 18

- A. Provide the date, item (from *sales*), and employee first name for all sales in the range of Saturday June 12 to Friday June 18 (inclusive) of this year.
- B. Provide the count of all sales for each sales person (first name and last name) grouped by sales person. The results should show most sales to least sales.

Part 4: Challenge (1%)

- A. *Based on the results from 3B above*, provide the date, item (from stock_items), price, category, and employee first name for all sales of the sales person with the most sales. Use aliases for your tables.
- B. Create a list of *unique* items (sales), item id (stock items), items (stock_items), prices and categories that must include all stock_item items in the result set, whether there were any sales or not. This list should be ordered by the stock_items id.