Assignment 4 (40 points)
Due Date: Wednesday, Feb. 17, 2015 11:55 PM

Objectives:

This assignment focuses on the SELECT statements. The basis for the majority of database interactions is the SELECT statement. A database contains data as values for each field in a database. When that data is processed into useful statements that users can view, it becomes information. The SELECT statement enables the user to retrieve information from the database.

This assignment uses the tables associated with the *bookstore* database.

Additional Files:

- create_schema_bookstore.sql
- create_tables_bookstore.sql
- insert_data_bookstore.sql

Write SQL statements to perform the following queries:

Query 1: Display the rows from the Customer table whose customer ID is not equal to 77779. Display each customer's last name, first name, and customer ID.

Query 2: Display the product name and description columns from the Product table where the category ID column is greater than 21.

Query 3: Display the rows from the Customer table where the values in the customer ID column is 11119. Display the customer's last name, first name, customer ID, and email address.

Query 4: Write a SELECT statement that returns these column names and data from the Orderitems table:

item_id	The item_id column
item_price	The item_price column
discount_amount	The discount_amount column
quantity	The quantity column
price_total	A column that's calculated by multiplying the item price by the quantity
discount_total	A column that's calculated by multiplying the discount amount by the quantity
item_total	A column that's calculated by subtracting the discount amount from the item price and then multiplying by the quantity

Only return rows where the item_total is greater than 900. Sort the result set by item total in descending order.

Query 5: Display these columns from the Store table:

store ID	The store_id column
region ID	The region_id column
region name	The region_name column

Query 6: Display the customer ID for each customer in the Customer table, along with the email address.

Query 7: Display the customer ID from the Orders table for each customer who has placed an order with the bookstore. Display each customer ID only once.

Query 8: Write a SELECT statement that returns these column names and data from the Product table:

product_name	The product_name column
list_price	The list_price column
discount_percent	The discount_percent column
discount_amount	A column that's calculated from the previous two columns
discount_price	A column that's calculated from the previous three columns

Sort the result set by discount price in descending sequence.
Use the LIMIT clause so the result set contains only the first 5 rows.

Query 9: Create a mailing list from the Address table. The mailing list should display the customer ID, line1, line2, city, state, and zip code for each customer. The city and state should be listed as one column of output, with the values separated by a comma.

Query 10: Write a SELECT statement that returns one column from the Customer table named full_name that joins the last_name and first_name columns.

Format this column with the last name, a comma, a space, and the first name like this:

Doe, John

Submission

- You will need to label your assignment with your first initial, last name, and the name of the assignment.
- Zip the files to upload to Insight (yourname_assignment4.zip).
- Submit the zipped file containing the script and output TXT via Insight.
- Remember to include the query number as a comment at each step.
- Read your output TXT file before you turn it in.