**CCGC 5004 Databases**

**Assignment 1**

**You are to use MySQL Workbench to perform the requested operations based on tables. I need to see your SQL command followed immediately by the result. You are to use comments to record your name, the assignment number, and the question number for all questions. No exceptions will be accepted your list file is to show all the required details as stated. Do not wait till the last minute to start this one, this one will raise the stress level and can cause baldness and gray hair not to mention sleepless nights. Watch for the OUTER JOIN queries. Download the update script for this assignment for the Just Lee database.**

**Go to Blackboard Week 4 and download the JLDB\_BUILD\_MYSQL.sql script. Download this script to you VM for this course. Connect tot your database with Workbench and run this script. It will create the tables and populate the tables with the necessary rows to perform the queries.**

**Question 1**

Create a list that displays the title of each book and the name and phone number of the person at the publisher’s office whom you would need to contact to reorder each book. (Screen Capture 1)

**Question 2**

Determine which orders have not yet been shipped and the name of the customer who placed the order. You are to sort the results by the date on which the order was placed. (Screen Capture 2)

**Question 3**

Produce a list of all customers who live in the state of Florida (FL) and have ordered a book about computers. Category is COMPUTERS. Display the customer's name, the book title, the order number and the category. (Screen Capture 3)

**Question 4**

Determine which books Jake Lucas has purchased. Perform the search using the customer's last and first names and not he customer number or an individual part of the customer’s name. If he has purchased multiple copies of the same book, un-duplicate the results. (Screen Capture 4)

**Question 5**

Determine the profit of each book sold to Jake Lucas, using the actual price the customer paid (not the book's regular retail price). Sort the results by the date of the order. If more than one book was ordered, sort the results by the profit amount in descending order. Perform the search by using the customer’s full name and not the customer number or part of his name. (Screen Capture 5)

**Question 6**

Which book was written by an author with the last name of Adams? Perform the search using the author’s last name. (Screen Capture 6)

**Question 7**

What gift will a customer who orders the book Shortest Poems receive? Use the actual book retail value to determine the gift. (Screen Capture 7)

**Question 8**

Identify the author(s) of the books ordered by Becca Nelson. Perform the search using the customer’s full name. (Screen Capture 8)

**Question 9**

Display a list of ***all*** books in the BOOKS table. If a book has been ordered by a customer, also list the corresponding order number and the state in which the customer resides. (Screen Capture 9)

**Question 10**

Retrieve all authors whose last name contains the pattern “IN”. Put the results in order of last name, then first name. List each author’s last name and first name. (Screen Capture 10)

**Question 11**

Which customers live in Georgia (GA) or New Jersey (NJ)? Put the results in ascending order by last name. You are to list each customer’s customer number, last name, and state. Write this query using two methods one with the IN operator and the other using the OR operator. (Screen Capture 11A and Screen Capture 11B)

**Question 12**

Display the book title and category for all books in the Children and Cooking categories. Create three different queries to accomplish this task as follows: a) use a search pattern operation, b) use a logical operator, and c) use another operator that is not used in a or b. (Screen Capture 12A, Screen Capture 12B, and Screen Capture 12C)

**Question 13**

Use a search pattern to find any book where the title has an “A” for the second letter in the title and an “N” for the fourth letter. List each book’s ISBN, and title. Sort the list by title in descending order. (Screen Capture 13)

**Question 14**

List the tile and publish date of any computer book that was published in 2005. Perform the task of searching for the publish date by using three different queries as follows: a) use a range operator, b) use a logical operator and, c) use a search pattern operation. (Screen Capture 14A, Screen Capture 14B, and Screen Capture 14C)

This is a schema of the tables used in this assignment.

