# CMIS 563 Lab 4

**Writing SELECT Queries (10 Points)**

This lab reinforces Chapter 4 learning objectives as follows:

* Write simple queries that include the SELECT, FROM, and WHERE clause.
* Write queries that eliminate any duplicate rows.
* Write queries that FORMAT the output report to fit on one page.
* Write queries that sort output including both major and minor sort columns.

In answering the SQL exercises and questions, **submit a SPOOL file** of **each command that you execute** and any messages that Oracle generates while executing your SQL commands. Also **list the output** for any result table that is generated by SELECT statements.

**Make sure your spool file is in the .doc format.** If not, rename the extension of your spool file to .doc (in the unix server using WinSCP) or copy the contents of your spool file into a Word .doc file before submitting your assignment on Blackboard.

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1. Write a query that will select all columns from the Specialty table without using the (\*) in your query. You may wish to use the DESCRIBE command to examine the structure of the Specialtytable. (1point)
2. Your manager wonders what types of employee titles are tracked in the Employee table. Produce a sample listing of the titles of employees at the hospital that does not include any duplicate rows. (1point)
3. Execute a query that will display all treatment dates for patient 100302. Include the patientID, employeeID, and date treated. (1point)
4. Execute a query that lists all the male nurses – i.e., employees with a job title that includes the degree ‘R.N..’ List each employee’s last name, first name, title, and gender. Format your columns so that lastName is 12 characters, firstName is 12 characters, title is 5 characters, and gender is 6 characters. (1.5 points)
5. Produce a listing that will only display patients from Alton or Collinsville. The result table should display the first name and last name of these patients as well as the city they are from. Sort the report by city. Format first name and last name so they are 12 characters wide each. (1.5 points).
6. Execute a query that will display all equipment with an original cost below $500, AND either have 10 or more items in stock (quantityAvailable) OR are used in project 8. List the equipment description, original cost, quantity available, and project number. Format your columns so that the output fits on one row. Format your columns so the output fits on one row. (2 points)
7. The CFO needs a report to justify standard charges to the State Health Department. The report should contain the description, standard charge, and category ID. Sort the report by categoryID and then by standard charge. Use the appropriate command to limit the output column width for the description to 30 characters. The report should be sorted first by categoryID and then by standard charge with the highest standard charge for each category appearing first. (2 points).