# Lab 08 – JOINS and Subqueries (Contd.)

This Lab relates to the following Course Learning Requirements:

CLR 1: Follow lab policies and procedures for etiquette, software licensing requirements and lab submissions

CLR5: Use basic SQL SELECT Statements to perform inner joins, outer joins and subqueries

Objective:

The objective of this lab is to make sure that you know how to use different join statements and use subqueries.

# Pre-Lab Instructions:

1. Read Module 7 and Module 8

**Lab Tasks:**

1. Import the Lab07DB.sql if not already loaded in the workbench and refresh the schemas.
2. You will execute some commands to get information out of the database. Each bullet point represents an individual task.
   * Display everything **FROM** student **INNER JOIN** professor **ON** common student program and professor program.
   * Use **UNION** and do a full outer join to display first name, professor name, student program and professor program **ON** common student program and professor program. (Refer: Module 8 Joins->Full Join-> Union)
   * Create a query/subquery to display first name, last name and student program **FROM** student **WHERE** student programs **IN** professor program **FROM** professor that starts with ‘C’ (Hint: Read Subqueries in Module 8 and Wildcard in Module 7).
3. Your lab is to be submitted in 3 SQL files
   * YourLastName\_Inner.sql
   * YourLastName \_SubQuery.sql
   * YourLastName \_Union.sql

**Lab Grading Rubric (3%)**

|  |  |
| --- | --- |
| YourLastName \_Inner.sql | /1 |
| YourLastName \_SubQuery.sql | /1 |
| YourLastName \_Union.sql | /1 |
| Total | /3 |
| Comments |  |