ISYS 464, Fall 23, Assignment 7

This assignment is for your practice only and not required to submit.

Use the University database for this assignment.

Part 1: Use a correlated subquery to answer question Q1 to Q3:

Q1: Display students' ID and name who owe university more than $2000.

Q2: Display students' ID and name who are taking at least 2 course.

Q3: Display FID, Fname who have not advised any student.

Part 2: Practice set operators Create a new table and name it StudentOld from the Student table using this command:

> Create table StudentOld as (select * from Student);

and insert two records into the studentOld table that are not in the Student table. Then use SQL to answer the following questions:

Q4: Find students that are in both the Student and StudentOld tables.

Q5: Find students that are in the StudentOld table and not in the Student table.

Q6: Do a Left Join of student and registration and show the result.

Q7: Use the IN and NOT IN to display student's ID and name who are taking ISYS 464 and ISYS 350

Part 3:

Q8: Follow the example on slide# 61 of the SQL AdvancedTopics to create a CTE view totalUnitsCTEView, and use it to compute tuition based on these rules and display SID, Sname, totalUnits, tuition:

total units<=5, tuition = 500

5<total units<=10, tuition = 1000

Total units>10, tuition=2000