TSQL Homework 05

Chapter 5, T-SQL Query Fundamentals

# Readings

Read chapter 5 in the *T-SQL Query Fundamentals* book.

# Discussion questions

1. What is a table expression? Can you give a technical definition of a table expression?
   * a named query expression that represents a valid relational table.
2. In what SQL clause are derived tables (table valued subqueries) located?
   * The from clause
3. Why can you refer to column aliases in an outer query that you defined in an inner table valued subquery?
4. What SQL key word defines a common table expression?
   * The WITH Statement
5. When using common table expressions, can a subsequent derived table use a table alias declared in a preceding table expression?
   * No, diverted tables can only be referenced once per query
6. Can a main query refer to a previously defined common table expression by multiple aliases?
7. In SQL, is a view a durable object?
   * Yes, the y are permanent object in SQL
8. In a view, what does WITH CHECK OPTION do? Why is this important?
   * Prevents modifications that conflict with the views filter
9. In a view, what does SCHEMABINDING do? Why is this important?
   * It binds the reference object and columns to the schema of a referencing object
10. What is a table valued function?
    * Reusable table expressions that support input parameters
11. What does the APPLY operator do?
    * Preforms its work logical query
12. What are the two forms of the APPLY operator? Give an example of each.
    * Cross, only one, and inter join
    * Outer, implements 2, left join

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