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?

Is a named query that represents a relational table.

1. 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?

Because you can’t refer to column aliases assigned in the select clause in query clauses that are logically processed prior to the select clause.

1. What SQL key word defines a common table expression?

With

5. When using common table expressions, can a subsequent derived table use a table alias declared in a

preceding table expression?

Yes. Because the from clause is executed first

6. Can a main query refer to a previously defined common table expression by multiple aliases?

Yes.

7. In SQL, is a view a durable object?

Yes.

8. In a view, what does WITH CHECK OPTION do? Why is this important?

To prevent modifications through the view that conflicts with the view’s filter.

9. In a view, what does SCHEMABINDING do? Why is this important?

It binds the schema of referenced objects and columns to the schema of the referencing object. It indicates that referenced objects cannot be dropped and that referenced columns cannot be dropped or altered.

10. What is a table valued function?

Reusable table expressions that support input parameters.

11. What does the APPLY operator do?

Unifies all result sets into one table.

12. What are the two forms of the APPLY operator? Give an example of each.

Cross apply and outer apply.