TSQL Homework 04

Chapter 4, T-SQL Query Fundamentals

Readings

Read Chapter 4 in the T-SQL Query Fundamentals book.

Homework questions

1. In your own words, what is a subquery?

A query inside a query

1. In your own words, what is a self contained subquery?

A query that has no dependency on another table.

1. In your own words, what is a correlated subquery?

Subqueries that refer to tables in the outer query.

1. Give an example of a subquery that returns a single value. When would you use this kind of subquery?

A scalar subquery.

1. Give an example of a subquery that returns multiple values. When would you use this kind of subquery?

Multivalued subqueries.

1. Give an example of a subquery that returns table values. When would you use this kind of subquery?

Table subqueries.

1. What does the exists predicate do? Give an example.

Returns true if the subquery returns any rows and false otherwise.

1. What happens if we use the not operator before a predicate? Give an example.

It negates the predicate.

9. When you use exists or not exists with respect to a row in a database, does it return two or three

values? Explain your answer.

Two values. Because there is no situation where it’s unknown if a query returns any rows.