COURSE NAME: ISTA 440

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HW # 6

In your own words, what is a subquery?

It is a query inside of a query.

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

It is subquery that relies on itself.

In your own words, what is a correlated subquery?

It is one that does not depend solely on itself. It cannot run by itself.

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

SELECT Count(orderid) from Sales.Order or Select SUM(orderid) from Sales.Order.

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

SELECT …… From…Where....Like ‘%.....%’

What does the exists predicate do? Give an example.

Exists uses two-values predicate logic. Exists always returns TRUE or FALSE and never UNKNOWN.

8. What happens if we use the not operator before a predicate?

It reverses the value of the predicate. If the predicate is true, NOT true will make it False. If the predicate is False, NOT False will make it true.

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.

The exists predicate, with or without the not operator returns one of two possible values, either true or false. Exists uses two-valued logic and not three-valued logic. If you think about it, there’s no situation where it’s unknown whether a query returns any rows.