When to Use ANY vs EXISTS in SQL

1. ANY Clause: - Compares a value to each value in a list or subquery. - Returns TRUE if the comparison is TRUE for at least one of the values. - Requires a comparison operator (e.g., =, <, >, <=, >=). Example: SELECT * FROM products WHERE price > ANY (SELECT price FROM products WHERE category = 'Electronics'); Use ANY when: - You need to compare a single value to multiple values returned by a subquery. 2. EXISTS Clause: - Checks if a subquery returns any rows. - Returns TRUE if at least one row exists. - Often used with correlated subqueries. Example: SELECT * FROM customers c WHERE EXISTS (SELECT 1 FROM orders o WHERE o.customer id = c.customer id

);

Use EXISTS when:

- You want to check for the existence of related data.
- You are interested in the presence of rows, not specific values.

Key Differences:

- ANY compares a value to a set of values.
- EXISTS checks if the subquery returns any result.
- EXISTS is more efficient when only checking for presence, especially in correlated subqueries.