PostgreSQL: ANY vs IN vs EXISTS vs ALL Cheat Sheet

IN Use when you want to test if a value matches any value in a list or subquery result. Example: SELECT name FROM employees WHERE department_id IN (1, 2, 3); -- Same as: SELECT name FROM employees WHERE department_id = ANY (ARRAY[1,2,3]); ANY Use when you want to compare a value against any result from a subquery or array using a comparison operator. Example: SELECT name FROM employees WHERE salary > ANY (SELECT salary FROM employees WHERE department_id = 10); **EXISTS** Use when you want to check if at least one row is returned by a subquery. Example: SELECT name FROM employees e WHERE EXISTS (SELECT 1 FROM departments d WHERE d.id = e.department_id); ALL

Use when you want to compare a value against all values from a subquery or array.