Anil pankaj **SQL Cheat Sheet**

SQL Operator Querying Data in SQL Filtering Data in SQL **SELECT** WHERE **AND** Filter Rows Based On Specified Conditions Combines Multiple Conditions In A WHERE Retrieve Data From One Or More Tables Clause SELECT * FROM employees; SELECT * FROM employees WHERE SELECT * FROM employees WHERE department = 'IT'; department = 'IT' AND salary > 60000; **DISTINCT** LIKE OR Specifies Multiple Conditions Where Any One Select Unique Values From A Column Match A Pattern In A Column Of Them Should Be True SELECT DISTINCT department FROM SELECT * FROM employees WHERE SELECT * FROM employees WHERE employees; first_name LIKE 'J%'; department = 'HR' OR department = 'Finance'; **WHERE** IN NOT Filter Rows Based On Specified Conditions Match Any Value In A List Negates A Condition SELECT * FROM employees WHERE SELECT * FROM employees WHERE SELECT * FROM employees WHERE NOT salary > 55000.00; department IN ('HR', 'Finance'); department = 'IT'; LIMIT **BETWEEN ORDER BY** Limit The Number Of Rows Returned In The Match Values Within A Specified Range Sorts the Result Set in Ascending or Result Set **Descending Order** SELECT * FROM employees WHERE SELECT * FROM employees LIMIT 3; SELECT * FROM employees ORDER BY salary BETWEEN 50000 AND 60000; salary DESC; **FETCH IS NULL GROUP BY** Retrieve A Specified Number Of Rows From Match NULL Values Groups Rows that have the Same Values into The Result Set Summary Rows SELECT * FROM employees WHERE SELECT * FROM employees FETCH FIRST department IS NULL; SELECT department, COUNT(*) AS employee_count FROM employees GROUP 3 ROWS ONLY; BY department; **Aggregation Data in SQL** Joins in SQL **Indexes & Transactions in SQL** COUNT **CREATE INDEX INNER JOIN** Count The Number Of Rows In A Result Set Retrieves Records That Have Matching Create an Index on a Table Values in Both Tables SELECT COUNT(*) FROM employees; CREATE INDEX idx_department ON SELECT * FROM employees INNER JOIN employees (department); departments ON employees.department_id = departments.department_id; SUM **LEFT JOIN DROP INDEX** Calculate The Sum Of Values In A Column Retrieves All Records from the Left Table and Remove an Index the Matched Records from the Right Table SELECT SUM(salary) FROM employees; DROP INDEX IF EXISTS SELECT * FROM employees LEFT JOIN idx_department; departments ON employees.department_id = departments.department_id; **AVG RIGHT JOIN BEGIN TRANSACTION** Calculate The Average Value Of A Column Retrieves All Records from the Right Table Start a New Transaction and the Matched Records from the Left Table SELECT AVG(salary) FROM employees; BEGIN TRANSACTION; SELECT * FROM employees RIGHT JOIN departments ON employees.department_id = departments.department_id; MIN **FULL OUTER JOIN COMMIT** Retrieves All Records When There Is a Match Find the Minimum Value in a Column Save Changes Made During the Current in Either the Left or Right Table Transaction

SELECT MIN(salary) FROM employees;

SELECT MAX(salary) FROM employees;

Find the Maximum Value in a Column

MAX

SELECT * FROM employees FULL OUTER JOIN departments ON

employees.department_id = departments.department_id;

Retrieves the Cartesian Product of the Two Tables

CROSS JOIN

SELECT * FROM employees CROSS JOIN departments;

To Learn More Commands, You can read this article <u>here</u>.

COMMIT;

ROLLBACK Undo Changes Made During the Current Transaction

ROLLBACK;