SQLite Quick Reference Card

# 🔹 SQLite Command Reference (Starter Level)

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| Keyword | Meaning | Example | Result |
| CREATE TABLE | Creates a new table | CREATE TABLE customers (id INTEGER, name TEXT); | New table with 2 columns |
| INSERT INTO | Inserts a row into a table | INSERT INTO customers VALUES (1, 'Alice'); | Adds row to 'customers' |
| SELECT | Retrieves rows/columns | SELECT \* FROM customers; | Shows all data from customers |
| FROM | Specifies source table | SELECT \* FROM customers; | Uses data from customers |
| WHERE | Filters results | SELECT \* FROM customers WHERE name = 'Alice'; | Only rows where name is Alice |
| LIMIT | Restricts number of rows returned | SELECT \* FROM customers LIMIT 5; | Shows first 5 rows |
| ORDER BY | Sorts the output | ORDER BY name DESC; | Sorts names Z → A |
| GROUP BY | Groups rows by column | SELECT COUNT(\*), name FROM customers GROUP BY name; | Groups by name |
| HAVING | Filters grouped results | HAVING COUNT(\*) > 1; | Only groups with >1 row shown |
| JOIN | Combines rows from two tables | SELECT \* FROM orders JOIN customers ON ... | Combines rows with matching keys |
| LEFT JOIN | All left rows, matching right ones | ... LEFT JOIN ... ON ... | Returns all left rows + matches |
| UPDATE | Updates existing data | UPDATE customers SET name = 'Robert' WHERE id = 2; | Changes name where id = 2 |
| SET | Defines new value for column | SET name = 'Bob' | Used inside UPDATE |
| DESC | Descending order | ORDER BY id DESC | Sorts largest to smallest |
| VALUES | Specifies values to insert | INSERT INTO table VALUES (...) | Adds new rows |
| CREATE VIEW | Defines a virtual table | CREATE VIEW v AS SELECT name FROM customers; | Stored SELECT query |
| DROP TABLE | Deletes entire table | DROP TABLE customers; | Removes table & data forever |
| DROP VIEW | Deletes a view | DROP VIEW v; | Removes virtual table |