

SQL / PostgreSQL Common Keywords Cheat Sheet

SELECT

Retrieve data.

Example:

```
SELECT name, age FROM users;
```

FROM

Specify table.

Example:

```
SELECT * FROM orders;
```

WHERE

Filter rows.

Example:

```
SELECT * FROM users WHERE age > 18;
```

AND / OR / NOT

Boolean operators.

Example:

```
SELECT * FROM products WHERE category = 'A' AND stock > 0;
```

LIKE / ILIKE

Pattern match.

Example:

```
SELECT * FROM users WHERE name ILIKE 'j%';
```

GROUP BY

Group rows for aggregation.

Example:

```
SELECT city, COUNT(*) FROM users GROUP BY city;
```

HAVING

Filter groups.

Example:

```
SELECT city, COUNT(*) FROM users GROUP BY city HAVING COUNT(*) > 10;
```

ORDER BY

Sort results.

Example:

```
SELECT * FROM users ORDER BY created_at DESC;
```

LIMIT / OFFSET

Pagination.

Example:

```
SELECT * FROM users ORDER BY id LIMIT 10 OFFSET 20;
```

JOIN (INNER, LEFT, RIGHT, FULL)

Example:

```
SELECT * FROM users u INNER JOIN orders o ON u.id = o.user_id;
```

INSERT INTO

Example:

```
INSERT INTO users (name, email) VALUES ('John', 'john@example.com');
```

UPDATE

Example:

```
UPDATE users SET active = true WHERE id = 5;
```

DELETE

Example:

```
DELETE FROM users WHERE id = 3;
```

CREATE TABLE

Example:

```
CREATE TABLE users (id SERIAL PRIMARY KEY, name TEXT);
```

ALTER TABLE

Example:

```
ALTER TABLE users ADD COLUMN age INT;
```

DROP TABLE

Example:

DROP TABLE users;

PRIMARY KEY / FOREIGN KEY / UNIQUE / CHECK

Example:

FOREIGN KEY (user_id) REFERENCES users(id) ON DELETE CASCADE;

BEGIN / COMMIT / ROLLBACK

Example:

BEGIN; UPDATE ...; COMMIT;

WITH (CTE)

Example:

WITH x AS (SELECT * FROM users) SELECT * FROM x;

CAST

Example:

SELECT '123'::INT;

WINDOW FUNCTIONS

Example:

SELECT id, SUM(salary) OVER () FROM employees;