## 🔹 ****BASICS****

### 1. ****SELECT, FROM, WHERE****

SELECT name, age FROM employees WHERE age > 30;

### 2. ****ORDER BY****

SELECT \* FROM employees ORDER BY age DESC;

### 3. ****LIMIT / OFFSET****

SELECT \* FROM employees LIMIT 10 OFFSET 20;

### 4. ****DISTINCT****

SELECT DISTINCT department FROM employees;

### 5. ****ALIAS****

SELECT name AS employee\_name FROM employees;

## 🔹 ****CONDITIONS AND OPERATORS****

### 6. ****AND / OR / NOT****

SELECT \* FROM employees WHERE age > 30 AND department = 'HR';

### 7. ****IN / NOT IN****

SELECT \* FROM employees WHERE department IN ('HR', 'Sales');

### 8. ****BETWEEN****

SELECT \* FROM employees WHERE age BETWEEN 25 AND 35;

### 9. ****LIKE / ILIKE (PostgreSQL)****

SELECT \* FROM employees WHERE name LIKE 'A%';

## 🔹 ****AGGREGATIONS****

### 10. ****COUNT, SUM, AVG, MIN, MAX****

SELECT COUNT(\*), AVG(salary), MAX(salary) FROM employees;

### 11. ****GROUP BY / HAVING****

SELECT department, AVG(salary)

FROM employees

GROUP BY department

HAVING AVG(salary) > 50000;

## 🔹 ****JOINS****

### 12. ****INNER JOIN****

sql

CopyEdit

SELECT e.name, d.name

FROM employees e

JOIN departments d ON e.dept\_id = d.id;