

SQL Cheat Sheet (Con Alias)

1. SELECT Básico

```
SELECT columnas FROM tabla;  
SELECT * FROM tabla;  
SELECT * FROM tabla WHERE columna = valor;  
SELECT * FROM tabla ORDER BY columna ASC;
```

2. DISTINCT

```
SELECT DISTINCT columna FROM tabla;
```

3. Alias (AS)

Renombra columnas o tablas.

```
SELECT columna AS alias FROM tabla;  
SELECT t.columna FROM tabla AS t;
```

Alias con agregación:

```
SELECT height AS Altura, COUNT(*) AS total  
FROM patients  
GROUP BY height;
```

Uso del alias en subconsulta:

```
SELECT *  
FROM (  
    SELECT height AS Altura, COUNT(*) AS total  
    FROM patients  
    GROUP BY height  
) AS t  
WHERE Altura > 5;
```

4. INSERT

```
INSERT INTO tabla (col1, col2, col3)  
VALUES (v1, v2, v3);
```

5. UPDATE

```
UPDATE tabla  
SET columna = valor  
WHERE condicion;
```

6. DELETE

```
DELETE FROM tabla  
WHERE condicion;
```

7. CREATE TABLE

```
CREATE TABLE tabla (  
    id INTEGER PRIMARY KEY,  
    nombre TEXT,  
    edad INT  
) ;
```

8. ALTER TABLE

```
ALTER TABLE tabla  
ADD COLUMN nueva_columna TEXT;
```

9. DROP TABLE

```
DROP TABLE tabla;
```

10. Funciones de Agregación

```
COUNT(col), SUM(col), AVG(col),  
MIN(col), MAX(col)
```

11. GROUP BY / HAVING

```
SELECT columna, COUNT(*)  
FROM tabla  
GROUP BY columna  
HAVING COUNT(*) > 5;
```

12. JOINS

```
SELECT *  
FROM t1  
INNER JOIN t2 ON t1.id = t2.id;  
  
SELECT *  
FROM t1  
LEFT JOIN t2 ON t1.id = t2.id;
```

13. ORDER BY / LIMIT

```
SELECT *
FROM tabla
ORDER BY columna DESC
LIMIT 10 OFFSET 20;
```

14. Operadores

= <> > >= < <= AND OR NOT BETWEEN IN LIKE

15. Texto

```
LENGTH(col), UPPER(col), LOWER(col),
SUBSTR(col,1,4), TRIM(col)
```

16. Matemáticas

```
POWER(x,y), SQRT(x), ABS(x),
ROUND(x,n), FLOOR(x), CEIL(x)
```

17. Subconsultas

```
SELECT *
FROM tabla
WHERE columna IN (
    SELECT columna
    FROM otra_tabla
);
```