SQL CHEAT SHEET

❋ SQL SELECT STATEMENTS

SELECT * FROM tbl

Select all rows and columns from table tbl

SELECT c1,c2 FROM tbl

Select column c1, c2 and all rows from table tbl

SELECT c1,c2 FROM tbl
WHERE conditions
ORDER BY c1 ASC, c2 DESC

Select columns c1, c2 with where conditions and from table tbl order result by column c1 in ascending order and c2 in descending order

SELECT DISTINCT c1, c2
FROM tbl

Select distinct rows by columns c1 and c2 from table tbl.

SELECT c1, aggregate(expr)
FROM tbl
GROUP BY c1

Select column c1 and use aggregate function on expression expr, group columns by column c1.

SELECT c1, aggregate(expr) AS c2
FROM tbl
GROUP BY c1
HAVING c2 > v

Select column c1 and c2 as column alias of the result of aggregate function on expr. Filter group of records with c2 greater than value v

❋ SQL UPDATE TABLE

INSERT INTO tbl(c1,c2,...)
VALUES(v1,v2...)

Insert data into table tbl

INSERT INTO tbl(c1,c2,...)
SELECT c1,c2.. FROM tbl2
WHERE conditions

Insert data from tbl2 into tbl

UPDATE t
SET c1 = v1, c2 = v2...
WHERE conditions

Update data in table tbl

DELETE FROM tbl
WHERE conditions

Delete records from table tbl based on WHERE conditions.

TRUNCATE TABLE tbl
Drop table tbl and re-create it, all data is lost

❋ SQL TABLE STATEMENTS

CREATE TABLE tbl(
    c1 datatype(length)
    c2 datatype(length)
    ...
    PRIMARY KEY(c1)
)
Create table tbl with primary key is c1

DROP TABLE tbl

Remove table tbl from database.

ALTER TABLE tbl
ADD COLUMN c1 datatype(length)

Add column c1 to table tbl

ALTER TABLE tbl
DROP COLUMN c1

Drop column c1 from table tbl

❋ SQL JOIN STATEMENTS

SELECT * FROM tbl1
INNER JOIN tbl2 ON join-conditions

Inner join table tbl1 with tbl2 based on join-conditions.

SELECT * FROM tbl1
LEFT JOIN tbl2 ON join-conditions

Left join table tbl1 with tbl2 based on join-conditions.

SELECT * FROM tbl1
RIGHT JOIN tbl2 ON join-conditions

Right join table tbl1 with tbl2 based on join-conditions.

SELECT * FROM tbl1
RIGHT JOIN tbl2 ON join-conditions

Full outer join table tbl1 with tbl2 based on join-conditions.