

✿ 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.