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| **SQL Statement** | **Syntax** |
| AND / OR | SELECT column\_name(s) |
| FROM table\_name |
| WHERE condition |
| AND|OR condition |
| ALTER TABLE | ALTER TABLE table\_name |
| ADD column\_name datatype |
| or |
| ALTER TABLE table\_name |
| DROP COLUMN column\_name |
| AS (alias) | SELECT column\_name AS column\_alias |
| FROM table\_name |
| or |
| SELECT column\_name |
| FROM table\_name  AS table\_alias |
| BETWEEN | SELECT column\_name(s) |
| FROM table\_name |
| WHERE column\_name |
| BETWEEN value1 AND value2 |
| CREATE DATABASE | CREATE DATABASE database\_name |
| CREATE TABLE | CREATE TABLE table\_name |
| ( |
| column\_name1 data\_type, |
| column\_name2 data\_type, |
| column\_name3 data\_type, |
| ... |
| ) |
| CREATE INDEX | CREATE INDEX index\_name |
| ON table\_name (column\_name) |
| or |
| CREATE UNIQUE INDEX index\_name |
| ON table\_name (column\_name) |
| CREATE VIEW | CREATE VIEW view\_name AS |
| SELECT column\_name(s) |
| FROM table\_name |
| WHERE condition |
| DELETE | DELETE FROM table\_name |
| WHERE some\_column=some\_value |
| or |
| DELETE FROM table\_name |
| (**Note:**Deletes the entire table!!) |
|  |
| DELETE \* FROM table\_name |
| (**Note:**Deletes the entire table!!) |
| DROP DATABASE | DROP DATABASE database\_name |
| DROP INDEX | DROP INDEX table\_name.index\_name (SQL Server) |
| DROP INDEX index\_name ON table\_name (MS Access) |
| DROP INDEX index\_name (DB2/Oracle) |
| ALTER TABLE table\_name |
| DROP INDEX index\_name (MySQL) |
| DROP TABLE | DROP TABLE table\_name |
| EXISTS | IF EXISTS (SELECT \* FROM table\_name WHERE id = ?) |
| BEGIN |
| --do what needs to be done if exists |
| END |
| ELSE |
| BEGIN |
| --do what needs to be done if not |
| END |
| GROUP BY | SELECT column\_name, aggregate\_function(column\_name) |
| FROM table\_name |
| WHERE column\_name operator value |
| GROUP BY column\_name |
| HAVING | SELECT column\_name, aggregate\_function(column\_name) |
| FROM table\_name |
| WHERE column\_name operator value |
| GROUP BY column\_name |
| HAVING aggregate\_function(column\_name) operator value |
| IN | SELECT column\_name(s) |
| FROM table\_name |
| WHERE column\_name |
| IN (value1,value2,..) |
| INSERT INTO | INSERT INTO table\_name |
| VALUES (value1, value2, value3,....) |
| *or* |
| INSERT INTO table\_name |
| (column1, column2, column3,...) |
| VALUES (value1, value2, value3,....) |
| INNER JOIN | SELECT column\_name(s) |
| FROM table\_name1 |
| INNER JOIN table\_name2 |
| ON table\_name1.column\_name=table\_name2.column\_name |
| LEFT JOIN | SELECT column\_name(s) |
| FROM table\_name1 |
| LEFT JOIN table\_name2 |
| ON table\_name1.column\_name=table\_name2.column\_name |
| RIGHT JOIN | SELECT column\_name(s) |
| FROM table\_name1 |
| RIGHT JOIN table\_name2 |
| ON table\_name1.column\_name=table\_name2.column\_name |
| FULL JOIN | SELECT column\_name(s) |
| FROM table\_name1 |
| FULL JOIN table\_name2 |
| ON table\_name1.column\_name=table\_name2.column\_name |
| LIKE | SELECT column\_name(s) |
| FROM table\_name |
| WHERE column\_name LIKE pattern |
| ORDER BY | SELECT column\_name(s) |
| FROM table\_name |
| ORDER BY column\_name [ASC|DESC] |
| SELECT | SELECT column\_name(s) |
| FROM table\_name |
| SELECT \* | SELECT \* |
| FROM table\_name |
| SELECT DISTINCT | SELECT DISTINCT column\_name(s) |
| FROM table\_name |
| SELECT INTO | SELECT \* |
| INTO new\_table\_name [IN externaldatabase] |
| FROM old\_table\_name |
| *or* |
| SELECT column\_name(s) |
| INTO new\_table\_name [IN externaldatabase] |
| FROM old\_table\_name |
| SELECT TOP | SELECT TOP number|percent column\_name(s) |
| FROM table\_name |
| TRUNCATE TABLE | TRUNCATE TABLE table\_name |
| UNION | SELECT column\_name(s) FROM table\_name1 |
| UNION |
| SELECT column\_name(s) FROM table\_name2 |
| UNION ALL | SELECT column\_name(s) FROM table\_name1 |
| UNION ALL |
| SELECT column\_name(s) FROM table\_name2 |
| UPDATE | UPDATE table\_name |
| SET column1=value, column2=value,... |
| WHERE some\_column=some\_value |
| WHERE | SELECT column\_name(s) |
| FROM table\_name |
| WHERE column\_name operator value |