

# SQL Quick Reference from W3Schools\*\*\*

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| SQL Statement   | Syntax  |
|-----------------|---|
| AND / OR        | SELECT column_name(s)<br>FROM table_name<br>WHERE condition<br>AND OR condition   |
| ALTER TABLE     | ALTER TABLE table_name<br>ADD column_name datatype<br><br>or<br><br>ALTER TABLE table_name<br>DROP COLUMN column_name       |
| AS (alias)      | SELECT column_name AS column_alias<br>FROM table_name<br><br>or<br><br>SELECT column_name<br>FROM table_name AS table_alias |
| BETWEEN         | SELECT column_name(s)<br>FROM table_name<br>WHERE column_name<br>BETWEEN value1 AND value2                                  |
| CREATE DATABASE | CREATE DATABASE database_name   |
| CREATE TABLE    | CREATE TABLE table_name<br>(<br>column_name1 data_type,<br>column_name2 data_type,<br>column_name3 data_type,<br>...<br>)   |

| SQL Statement | Syntax   |
|---------------|--|
| CREATE INDEX  | <p>CREATE INDEX index_name<br/>ON table_name (column_name)</p> <p>or</p> <p>CREATE UNIQUE INDEX index_name<br/>ON table_name (column_name)</p>   |
| CREATE VIEW   | <p>CREATE VIEW view_name AS<br/>SELECT column_name(s)<br/>FROM table_name<br/>WHERE condition</p>  |
| DELETE        | <p>DELETE FROM table_name<br/>WHERE some_column=some_value</p> <p>or</p> <p>DELETE FROM table_name<br/>(<b>Note:</b> Deletes the entire table!!)</p> <p>DELETE * FROM table_name<br/>(<b>Note:</b> Deletes the entire table!!)</p> |
| DROP DATABASE | DROP DATABASE database_name  |
| DROP INDEX    | <p>DROP INDEX table_name.index_name (SQL Server)<br/>DROP INDEX index_name ON table_name (MS Access)<br/>DROP INDEX index_name (DB2/Oracle)<br/>ALTER TABLE table_name<br/>DROP INDEX index_name (MySQL)</p>                       |
| DROP TABLE    | DROP TABLE table_name  |
| EXISTS        | <p>IF EXISTS (SELECT * FROM table_name WHERE id = ?)<br/>BEGIN<br/>--do what needs to be done if exists<br/>END<br/>ELSE<br/>BEGIN<br/>--do what needs to be done if not<br/>END</p>   |

| SQL Statement | Syntax  |
|---------------|---|
| GROUP BY      | SELECT column_name, aggregate_function(column_name)<br>FROM table_name<br>WHERE column_name operator value<br>GROUP BY column_name  |
| HAVING        | SELECT column_name, aggregate_function(column_name)<br>FROM table_name<br>WHERE column_name operator value<br>GROUP BY column_name<br>HAVING aggregate_function(column_name) operator value |
| IN            | SELECT column_name(s)<br>FROM table_name<br>WHERE column_name<br>IN (value1,value2,..)  |
| INSERT INTO   | INSERT INTO table_name<br>VALUES (value1, value2, value3,....)<br><br><i>or</i><br><br>INSERT INTO table_name<br>(column1, column2, column3,...)<br>VALUES (value1, value2, value3,....)    |
| INNER JOIN    | SELECT column_name(s)<br>FROM table_name1<br>INNER JOIN table_name2<br>ON table_name1.column_name=table_name2.column_name   |
| LEFT JOIN     | SELECT column_name(s)<br>FROM table_name1<br>LEFT JOIN table_name2<br>ON table_name1.column_name=table_name2.column_name  |
| RIGHT JOIN    | SELECT column_name(s)<br>FROM table_name1<br>RIGHT JOIN table_name2<br>ON table_name1.column_name=table_name2.column_name   |

| SQL Statement   | Syntax   |
|-----------------|--|
| FULL JOIN       | SELECT column_name(s)<br>FROM table_name1<br>FULL JOIN table_name2<br>ON table_name1.column_name=table_name2.column_name   |
| LIKE            | SELECT column_name(s)<br>FROM table_name<br>WHERE column_name LIKE pattern   |
| ORDER BY        | SELECT column_name(s)<br>FROM table_name<br>ORDER BY column_name [ASC DESC]  |
| SELECT          | SELECT column_name(s)<br>FROM table_name   |
| SELECT *        | SELECT *<br>FROM table_name  |
| SELECT DISTINCT | SELECT DISTINCT column_name(s)<br>FROM table_name  |
| SELECT INTO     | SELECT *<br>INTO new_table_name [IN externaldatabase]<br>FROM old_table_name<br><br><i>or</i><br><br>SELECT column_name(s)<br>INTO new_table_name [IN externaldatabase]<br>FROM old_table_name |
| SELECT TOP      | SELECT TOP number percent column_name(s)<br>FROM table_name  |
| TRUNCATE TABLE  | TRUNCATE TABLE table_name  |
| UNION           | SELECT column_name(s) FROM table_name1<br>UNION<br>SELECT column_name(s) FROM table_name2  |
| UNION ALL       | SELECT column_name(s) FROM table_name1<br>UNION ALL<br>SELECT column_name(s) FROM table_name2  |

| SQL Statement | Syntax  |
|---------------|---|
| UPDATE        | UPDATE table_name<br>SET column1=value, column2=value,...<br>WHERE some_column=some_value |
| WHERE         | SELECT column_name(s)<br>FROM table_name<br>WHERE column_name operator value              |