

SQL Quick Reference Guide

Statements

```
SELECT [ DISTINCT ] * | LIST OF COLUMNS, FUNCTIONS, CONSTANTS
FROM LIST OF TABLES OR VIEWS
[ WHERE CONDITION(S) ]
[ ORDER BY ORDERING COLUMN(S) [ ASC | DESC ] ]
[ GROUP BY GROUPING COLUMN(S) ]
[ HAVING CONDITION(S) ]
```

```
DELETE FROM TABLE NAME
[ WHERE CONDITION(S) ]
```

```
INSERT INTO TABLE NAME
[ (COLUMN LIST) ]
VALUES (VALUE LIST)
```

```
UPDATE TABLE NAME
SET COLUMN NAME = VALUE
[ WHERE CONDITION ]
```

Functions

Function	Purpose
SUM	Total of the values in a field.
AVG	Average of the values in a field.
MIN	Lowest value in a field.
MAX	Highest value in a field.
COUNT	Number of values in a field, not counting Null (blank) values.

Predicates

Predicate	Description
BETWEEN ... AND	Compares a value to a range formed by two values.
IN	Determines whether a value exists in a list of values or a table.
LIKE	Compares, in part or in whole, one value with another.
JOIN	Joins two tables.

Data Definition

```
CREATE TABLE TABLE_NAME
( COLUMN_NAME DATA_TYPE [(SIZE)] COLUMN_CONSTRAINT,
[ , other column definitions,... ]
[ , primary key constraint ]
)
```

```
ALTER TABLE TABLE_NAME ADD | DROP | MODIFY  
  ( COLUMN_NAME DATA_TYPE [(SIZE)] COLUMN_CONSTRAINT,  
    [, other column definitions,...]  
  )
```

```
DROP TABLE TABLE_NAME
```

```
CREATE [UNIQUE] [ASC | DESC] INDEX INDEX_NAME  
  ON TABLE_NAME ( COLUMN_LIST )
```

```
DROP INDEX INDEX_NAME ON TABLE_NAME
```

```
CREATE VIEW VIEW_NAME AS QUERY_NAME
```

```
CONSTRAINT CONSTRAINT_NAME  
  {PRIMARY KEY | UNIQUE | NOT NULL |  
  REFERENCES FOREIGN_TABLE [(FIELD_LIST)]}
```