### FW3 MySQL Reference

| **CustomerID** | **CustomerName** | **ContactName** | **Address** | **City** | **PostalCode** | **Country** |
| --- | --- | --- | --- | --- | --- | --- |
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|  |  |  |  |  |  |  |
| **OrderID** | **CustomerID** | **EmployeeID** | **OrderDate** | **ShipperID** |  |  |
| 10248 | 90 | 5 | 1996-07-04 | 3 |  |  |
| 10249 | 81 | 6 | 1996-07-05 | 1 |  |  |
| 10250 | 34 | 4 | 1996-07-08 | 2 |  |  |

SQL Quick Reference from W3Schools

% any string

\_ any single char

[abc] any of these chars

[a-f] any char in this range

[!acf] not these chars

Column AS Col alias

| **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\_nameor  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\_valueor  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\_nameor  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 |
|  |  |
| **Source :** | **https://www.w3schools.com/sql/sql\_quickref.asp** |