

SQL Cheat Sheet: CREATE TABLE, ALTER, DROP, TRUNCATE

Command	Syntax	Description	Example
CREATE TABLE	MySQL/DB2: <code>CREATE TABLE table_name (col1 datatype optional keyword, col2 datatype optional keyword, col3 datatype optional keyword, ..., coln datatype optional keyword)</code>	<code>CREATE TABLE</code> statement is to create the table. Each column in the table is specified with its name, data type and an optional keyword which could be PRIMARY KEY , NOT NULL , etc.,	MySQL/DB2: <code>CREATE TABLE employee (employee_id char(2) PRIMARY KEY, first_name varchar(30) NOT NULL, mobile int);</code>
ALTER TABLE - ADD COLUMN	MySQL/DB2: Option 1. <code>ALTER TABLE table_name ADD column_name_1 datatype...ADD COLUMN column_name_n datatype;</code> Option 2. <code>ALTER TABLE table_name ADD COLUMN column_name_1 datatype...ADD COLUMN column_name_n datatype;</code>	<code>ALTER TABLE</code> statement is used to add the columns to a table.	MySQL/DB2 Option 1. <code>ALTER TABLE employee ADD income bigint;</code> Option 2. <code>ALTER TABLE employee ADD COLUMN income bigint;</code>
ALTER TABLE - ALTER COLUMN	MySQL: <code>ALTER TABLE table_name MODIFY column_name_1 new_data_type;</code> DB2: <code>ALTER TABLE table_name ALTER COLUMN column_name_1 SET DATA TYPE datatype;</code>	MySQL: <code>ALTER TABLE MODIFY</code> MODIFY clause is used with the ALTER TABLE statement to modify the data type of columns. Db2: <code>ALTER TABLE ALTER COLUMN</code> statement is used to modify the data type of columns.	MySQL: <code>ALTER TABLE employee MODIFY mobile CHAR(20);</code> DB2: <code>ALTER TABLE employee ALTER COLUMN mobile SET DATA TYPE CHAR(20);</code>
ALTER TABLE - DROP COLUMN	MySQL/DB2: <code>ALTER TABLE table_name DROP COLUMN column_name_1 ;</code>	<code>ALTER TABLE DROP COLUMN</code> statement is used to remove columns from a table.	MySQL/DB2: <code>ALTER TABLE employee DROP COLUMN mobile ;</code>
ALTER TABLE - RENAME COLUMN	MySQL: <code>ALTER TABLE table_name CHANGE COLUMN current_column_name new_column_name datatype [optional keywords];</code> DB2: <code>ALTER TABLE table_name RENAME COLUMN current_column_name TO new_column_name;</code>	MySQL: <code>ALTER TABLE CHANGE COLUMN</code> CHANGE COLUMN clause is used to rename the columns in a table. DB2: <code>ALTER TABLE RENAME COLUMN</code> statement is used to rename the columns in a table.	MySQL: <code>ALTER TABLE employee CHANGE COLUMN first_name name VARCHAR(255);</code> DB2: <code>ALTER TABLE employee RENAME COLUMN first_name TO name;</code>
TRUNCATE TABLE	MySQL: <code>TRUNCATE TABLE table_name;</code> DB2: <code>TRUNCATE TABLE table_name IMMEDIATE;</code>	MySQL: <code>TRUNCATE TABLE</code> statement is used to delete all of the rows in a table. Db2: The <code>IMMEDIATE</code> specifies to process the statement immediately and that it cannot be undone.	MySQL: <code>TRUNCATE TABLE employee;</code> DB2: <code>TRUNCATE TABLE employee IMMEDIATE ;</code>
DROP TABLE	MySQL/DB2 <code>DROP TABLE table_name ;</code>	Use the <code>DROP TABLE</code> statement to delete a table from a database. If you delete a table that contains data, by default the data will be deleted alongside the table.	MySQL/DB2: <code>DROP TABLE employee ;</code>

Author(s)

