

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

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

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