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*`)` MySQL/DB2:	`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 **PRIMARY KEY**, **NOT NULL**, etc.,	MySQL/DB2: `CREATE TABLE employee ( employee_id char(2) PRIMARY KEY, first_name varchar(30) NOT NULL, mobile int);` MySQL/DB2
ALTER TABLE - ADD COLUMN	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.	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 column_name_1 new_data_type;` DB2: `ALTER TABLE table_name ALTER COLUMN column_name_1 SET DATA TYPE datatype;`	MySQL: `ALTER TABLE MODIFY COLUMN` MODIFY COLUMN 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 COLUMN mobile SET DATA TYPE 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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