

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



Command	Syntax	Description	Example
CREATE TABLE	<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 <b>PRIMARY KEY, NOT NULL</b> , etc.,	<code>CREATE TABLE employee ( employee_id char(2) PRIMARY KEY, first_name varchar(30) NOT NULL, mobile int);</code>
ALTER TABLE - ADD COLUMN	<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.	<code>ALTER TABLE employee ADD COLUMN income bigint;</code>
ALTER TABLE - ALTER COLUMN	<code>ALTER TABLE table_name ALTER COLUMN column_name_1 SET DATA TYPE datatype;</code>	<code>ALTER TABLE ALTER COLUMN</code> statement is used to modify the data type of columns.	<code>ALTER TABLE employee ALTER COLUMN mobile SET DATA TYPE CHAR(20);</code>
ALTER TABLE - DROP COLUMN	<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.	<code>ALTER TABLE employee DROP COLUMN mobile ;</code>
ALTER TABLE - RENAME COLUMN	<code>ALTER TABLE table_name RENAME COLUMN current_column_name TO new_column_name;</code>	<code>ALTER TABLE RENAME COLUMN</code> statement is used to rename the columns in a table.	<code>ALTER TABLE employee RENAME COLUMN first_name TO name ;</code>
TRUNCATE TABLE	<code>TRUNCATE TABLE table_name IMMEDIATE;</code>	<code>TRUNCATE TABLE</code> statement is used to delete all of the rows in a table. The IMMEDIATE specifies to process the statement immediately and that it cannot be undone.	<code>TRUNCATE TABLE employee IMMEDIATE ;</code>
DROP TABLE	<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.	<code>DROP TABLE employee ;</code>

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## Changelog

Date	Version	Changed by	Change Description
2021-07-27	1.0	Himanshu Birla	Initial Version