

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



IBM Developer  
SKILLS NETWORK

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

## Author(s)

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## Changelog

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