

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>	<pre>CREATE TABLE</pre> 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.,	<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>	<pre>ALTER TABLE</pre> 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>	<pre>ALTER TABLE ALTER COLUMN</pre> 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

```
ALTER TABLE  
table_name DROP  
COLUMN  
column_name_1 ;
```

ALTER TABLE DROP
COLUMN statement is
used to remove
columns from a table.

```
ALTER TABLE  
employee DROP  
COLUMN mobile ;
```

ALTER
TABLE -
RENAME
COLUMN

```
ALTER TABLE  
table_name  
RENAME COLUMN  
current_column_n  
ame TO  
new_column_name;
```

ALTER TABLE RENAME
COLUMN statement is
used to rename the
columns in a table.

```
ALTER TABLE  
employee RENAME  
COLUMN first_name  
TO name ;
```

TRUNCATE
TABLE

```
TRUNCATE TABLE  
table_name  
IMMEDIATE;
```

TRUNCATE TABLE
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.

```
TRUNCATE TABLE  
employee  
IMMEDIATE ;
```

DROP
TABLE

```
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.

```
DROP TABLE  
employee ;
```