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

Command	Syntax	Description	Example
CREATE TABLE	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 **PRIMARY KEY**, **NOT NULL**, etc.,	CREATE TABLE employee (employee_id char(2) PRIMARY KEY, first_name varchar(30) NOT NULL, mobile int);
ALTER TABLE - ADD COLUMN	1. ALTER TABLE table_name ADD column_name_1 datatype....ADD COLUMN column_name_n datatype; 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.	1. ALTER TABLE employee ADD income bigint; 2. ALTER TABLE employee ADD COLUMN income bigint;
ALTER TABLE - ALTER COLUMN	ALTER TABLE table_name ALTER COLUMN column_name_1 SET DATA TYPE datatype;	ALTER TABLE ALTER COLUMN statement is used to modify the data type of columns.	ALTER TABLE employee ALTER COLUMN mobile SET DATA TYPE CHAR(20);
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_name 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 ;

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Changelog

Date	Version	Changed by	Change Description
2023-05-04	1.1	Benny Li	Formatting changes made
2021-07-27	1.0	Himanshu Birla	Initial Version