POSTGres Cheat sheet

\? /\* help: list available commands \*/

\l /\* list all databases \*/

\c my\_app /\* connect to database 'my\_app' \*/

\dt+ /\* list tables \*/

\d+ hats /\* describe table 'hats' \*/ (shows new table)

\q /\* quit \*/

\du /\* list user roles \*/

create database hat\_application;

drop database hat\_application;

create table hats (

name text,

material text,

height integer,

brim boolean

);

insert into hats values ('sun hat', 'straw', 7, true);

insert into hats (name, material, height, brim) values

('top hat', 'buckram', 12, true);

insert into hats (name, material, height, brim) values

('cloche', 'felt', 6, false),

('chicken', 'bwuk bwuk bwuk', 12, false);

select \* from hats;

select \* from hats where name = 'top hat';

select count(\*) from hats;

delete from hats where name = 'chicken';

To add a column:

ALTER TABLE mytable ADD COLUMN mycolumn character varying(50) NOT NULL DEFAULT 'foo'; ... some work (set real values as you want)... ALTER TABLE mytable ALTER COLUMN mycolumn DROP DEFAULT;

To update: update users set email = 'greg@blah.com' where email = 'greg.blah.com';

To insert row: **insert into users values ('mike@blah.com', '123456', 'Raleigh');**

* **NOT NULL Constraint**: Ensures that a column cannot have NULL value.
* **UNIQUE Constraint**: Ensures that all values in a column are different.
* **PRIMARY Key**: Uniquely identifies each row/record in a database table.
* **FOREIGN Key**: Constrains data based on columns in other tables.
* **CHECK Constraint**: The CHECK constraint ensures that all values in a column satisfy certain conditions.
* **EXCLUSION Constraint**: The EXCLUDE constraint ensures that if any two rows are compared on the specified column(s) or expression(s) using the specified operator(s), not all of these comparisons will return TRUE.