CREATE USER pod WITH superuser;

CREATE DATABASE pintagram;

\l #para ver las bases de datos

\ c pintagram;

CREATE TABLE users (

id SERIAL PRIMARY KEY,

first\_name VARCHAR(50),

last\_name VARCHAR(50),

nick\_name VARCHAR(50),

email VARCHAR(50)

);

CREATE TABLE images (

id SERIAL PRIMARY KEY,

title VARCHAR(50),

user\_id INTEGER,

FOREIGN KEY (user\_id) REFERENCES users(id)

);

CREATE TABLE tags (

id SERIAL PRIMARY KEY,

name VARCHAR(50) UNIQUE

);

CREATE TABLE user\_images (

user\_id INTEGER,

FOREIGN KEY (user\_id) REFERENCES users(id),

image\_id INTEGER,

FOREIGN KEY (image\_id) REFERENCES images(id),

PRIMARY KEY (image\_id, user\_id)

);

CREATE TABLE tags\_images (

tag\_id INTEGER,

FOREIGN KEY (tag\_id) REFERENCES tags(id),

image\_id INTEGER,

FOREIGN KEY (image\_id) REFERENCES images(id),

PRIMARY KEY (image\_id, tag\_id)

);

INSERT INTO users (first\_name, last\_name, nick\_name, email) VALUES ('Carlos', 'Ayala', 'Carlitos', 'carlos@gmail.com'), ('Laura', 'Aliaga', 'Lala', 'laura@gmail.com'), ('Isabel', 'Salas', 'Isa', 'isa@gmail.com');

INSERT INTO images (title, user\_id) VALUES ('foto1', 1),('foto2', 1),('foto3', 2),('foto4', 2),('foto5', 3),('foto6', 3);

INSERT INTO tags (name) VALUES ('Bello'),('Stgo'),('Sunset'),('Verano'),('Blue'),('Eterno'),('Lluvia'),('Nublado');

INSERT INTO user\_images (image\_id, user\_id) VALUES (1,1), (1,2), (1,3), (2,1), (2,2), (2,3), (3,1), (3,2), (3,3), (4,1), (4,2), (4,3), (5,1), (5,2), (5,3), (6,1), (6,2), (6,3);

INSERT INTO tags\_images (image\_id, tag\_id) VALUES (1,2), (1,3), (1,4), (2,5), (2,6), (2,3), (3,7), (3,8), (3,2);

select title, count(image\_id) from images full join user\_images on (images.id = user\_images.image\_id) group by title order by title;

select name, count(image\_id) from tags full join tags\_images on (tags.id = tags\_images.tag\_id) group by name order by name;