INSERT INTO link (url, name)

VALUES ('www.a.com', 'A'),

('www.b.com', 'B');

UPDATE link

SET description = ‘Empty Description’;

UPDATE link

SET description = ‘Name starts with an A’

WHERE name LIKE ‘A%’;

UPDATE link

SET description = name;

UPDATE link

SET description = ‘New Description’

WHERE id = 1

RETURNING id, url, name, description;

DELETE FROM link

WHERE name LIKE ‘B%’;

DELETE FROM link

WHERE name = ‘A’

RETURNING \*;

DROP TABLE IF EXISTS link;

CREATE TABLE link(

link\_id serial PRIMARY KEY,

title VARCHAR(512) NOT NULL,

url VARCHAR(1024) NOT NULL UNIQUE);

ALTER TABLE link ADD COLUMN active Boolean;

ALTER TABLE link DROP COLUMN active;

ALTER TABLE link RENAME COLUMN title TO new\_title\_name;

ALTER TABLE link RENAME TO url\_table;

CREATE TABLE test\_two(

test\_id serial PRIMARY KEY);

DROP TABLE test\_two;

DROP TABLE IF EXISTS test\_two;

CREATE TABLE new\_users(

id serial PRIMARY KEY,

first\_name VARCHAR(50),

birth\_date DATE CHECK (birth\_date > ‘1900-01-01’),

join\_date DATE CHECK (join\_date > birth\_date),

salary integer CHECK(salary >0));

INSERT INTO new\_users (first\_name, birth\_date, join\_date, salary)

VALUES (‘Joe’, ‘1980-02-02’, ‘1990-04-04’, 10);

CREATE TABLE checktest (

sales integer CHECK (sales >0);

INSERT INTO checktest (sales)

VALUES (-10);

CREATE TABLE learn\_null(

first\_name VARCHAR(50),

sales integer NOT NULL);

INSERT INTO learn\_null(first\_name, sales)

VALUES (‘John’, 12);

CREATE TABLE people (

id serial PRIMARY KEY,

first\_name VARCHAR(50),

email VARCHAR(100) UNIQUE);

INSERT INTO people(id, first\_name, email)

VALUES (1, ‘Joe’, ‘joe@joe.com’),

(2, ‘Joseph’, ‘joe@joe.com’);

SELECT first\_name, last\_name, email, address, phone FROM customer

INNER JOIN address

ON customer.address\_id = address.address\_id;

CREATE VIEW customer\_info AS

SELECT first\_name, last\_name, email, address, phone FROM customer

INNER JOIN address

ON customer.address\_id = address.address\_id;

SELECT \* FROM customer\_info;

ALTER VIEW customer\_info RENAME TO customer\_master\_list;

SELECT \* FROM customer\_master\_list;

DROP VIEW customer\_master\_list;

DROP VIEW IF EXISTS customer\_master\_list;

Python connection with SQL:

import psycopg2 as pg2

conn = pg2.connect(database = 'dvdrental', user = 'postgres', password = '9%xlS3nE')

cur = conn.cursor()

cur.execute('SELECT \* FROM payment')

cur.fetchmany(10)

cur.fetchall()

conn.close()