**SQL BASICS**

**PART 1**

CREATE TABLE:

**CREATE TABLE customer\_list (**

**id INT PRIMARY KEY,**

**name TEXT NOT NULL,**

**email TEXT NOT NULL**

**);**

INSERT VALUES IN TABLE

**INSERT INTO customer\_list VALUES(**

**1,'John Smith', 'jsmith@gmail.com'**

**);**

**SELECT \* from customer\_list**

**DROP TABLE customer\_list**

**PART 2**

CREATE TABLE refinery\_clients (

refiner\_name TEXT NOT NULL,

units\_sold INT NOT NULL,

status\_sent TEXT NULL,

sale\_id INT NOT NULL

);

INSERT INTO refinery\_clients VALUES

('Big Refine Co.', 9000,'true', '1001'),

('Petrol Maker LLC.', 4500,'false', '1002'),

('Gasoline Factory Inc.', 20000,'true', '1003'),

('Jackson & Family', 3200,'true', 1004),

('Clear Prep LLC.', 13400,'', 1005),

('Titanium Refineries Inc.', 50000,'', 1006)

;

CREATE TABLE dis\_channels (

dis\_name TEXT NOT NULL,

status\_received TEXT NULL,

sale\_id INT NOT NULL,

location TEXT NULL

);

INSERT INTO dis\_channels VALUES

('Gas n Go','false', 1002,'County B'),

('Gasoline LLC.','true', 1001,'County A'),

('Quick Gas','true', 1003,'County A'),

('Pit Stop','true', 1004,'County A'),

('Real Energy','', 1005,'County B'),

('Car Station Co.','', 1006,'County A')

;

SELECT \* FROM dis\_channels

SELECT \* FROM refinery\_clients

**PART 3**

**UPDATE THE DATA:**

**UPDATE refinery\_clients**

**SET units\_sold = 9000**

**WHERE sale\_id =1001**

**SELECT \* FROM refinery\_clients**

**DELETE THE DATA:**

**DELETE FROM refinery\_clients**

**WHERE sales\_id = 1007**

**TO CHANGE THE TABLE NAME**

**ALTER TABLE distribution\_channel**

**RENAME TO dis\_channels**

**ADD COLUMN**

**ALTER TABLE dis\_channels**

**ADD location TEXT NULL**

**ADD VALUES TO NEW COLUMN**

**UPDATE dis\_channels**

**SET location = ’Country A’**

**WHERE sales\_id = 1001 OR sales\_id = 1003 OR sales\_id = 1004 OR sales\_id = 1005**

**TO SELECT MULTIPLE COLUMNS**

**SELECT dis\_name, location FROM dis\_channels**

**TO SELECT DISTINCT VALUES**

**SELECT DISTINCT dis\_name FROM dis\_channels**

**ORDER BY**

**SELECT refiner\_name, units\_sold FROM refinery\_clients**

**ORDER BY units\_sold DESC**

**IN OPERATOR**

**SELECT refiner\_name, units\_sold, sale\_id FROM refinery\_clients**

**WHERE sale\_id IN (1001,1002,1003)**

**GROUP BY**

**SELECT refiner\_name,sale\_id FROM refinery\_clients**

**GROUP BY sale\_id, refiner\_name**

**ORDER BY sale\_id**

**INNER JOIN** **SELECT dis\_channels.dis\_name, refinery\_clients.units\_sold**

**FROM dis\_channels**

**INNER JOIN refinery\_clients ON**

**dis\_channels.sale\_id = refinery\_clients.sale\_id**

**PART 4**

**functions**

**count**

**SELECT COUNT (dis\_name)**

**FROM dis\_channels**

**SELECT COUNT (location)**

**FROM dis\_channels WHERE sale\_id = 1001**

**AVG**

**SELECT AVG (units\_sold)**

**FROM refinery\_clients**

**SUM**

**SELECT SUM (units\_sold)**

**FROM refinery\_clients**

**MIN**

**SELECT MIN (units\_sold)**

**FROM refinery\_clients**