**## Schema Designer**

***Snacks***

“””CREATE TABLE snack(ID INTEGER, brand\_\_name VARCHAR, type VARCHAR, price INTEGER, available\_quantity INTEGER);”””

***Students and Teachers***

“””CREATE TABLE class(ID INTEGER, class\_names VARCHAR, attendance\_rate INTEGER);”””

“””CREATE TABLE student(ID INTEGER, student\_name VARCHAR, DOB INTEGER);”””

“””CREATE TABLE students\_in\_class(ID INTEGER, student\_ID INTEGER, class\_ID INTEGER, FOREIGN KEY student\_ID REFERENCES student.id, FOREIGN KEY class\_IF REFERENCES class.id);”””

JOIN through student\_ID

***Employees***

“CREATE TABLE employees(ssn INTEGER, salary INTEGER, phone\_number VARCHAR, department\_id INTEGER);”””

“CREATE TABLE departments(department\_id INTEGER, department\_name VARCHAR, budget INTEGER);”””

JOIN through department\_id

**## Querying a SQL Database**

SELECT count(\*) from users where state = "CA"; 14

select max(page\_views) from users; 19937

select name from users where page\_views = 19937; Edison Mcintyre

select city, state from users where page\_views = 19937; Mauricev, ME

select min(page\_views) from users; 16

select name from users where page\_views = 16; Hattie Ross

select city, state from users where page\_views = 16; Hubbard, MA

select max(last\_visit) from users; 2014-10-08

select max(last\_visit) from users where last\_visit != "2014-10-08"; 2014-10-07

select max(last\_visit) from users where last\_visit != "2014-10-08" and last\_visit!= "2014-10-07"; 2014-10-06

SELECT min(last\_visit) from users; 2013-10-08

SELECT name from users where last\_visit = "2013-10-08"; Woodrow Duffy

SELECT name from users where email LIKE "%horse.edu%"; Fern Byers, Valentine Gonzales

SELECT count(\*) from users where city = "Graford"; 3

SELECT city from users where city LIKE "V%" ORDER BY city ASC;

Valley View

Valley View

Van

Van

Vega

Victoria

Victoria

SELECT id from search\_terms WHERE word = “drain”; 201

SELECT name, city from users JOIN user\_searches ON users.id = user\_searches.user\_id WHERE user\_searches.term\_id = "201";

Nelly Beach|Graford

Penelope Stein|Runaway Bay

Tisha Gill|Bausell and Ellis

Rolando Crowley|Buda

SELECT id from search\_terms where word = "trousers"; 496

SELECT count(\*) from users JOIN user\_searches ON users.id = user\_searches.user\_id WHERE user\_searches.term\_id = "496"; 2

SELECT word from search\_terms JOIN user\_searches ON user\_searches.term\_id = search\_terms.id JOIN users ON users.id = user\_searches.user\_id WHERE users.last\_visit = "2014-08-22";

sweet

or

left

word

female

ball

Something wrong with ID – IDAHO

SELECT name from users WHERE id = "391"; Stan Alston

SELECT word from search\_terms JOIN user\_searches ON search\_terms.id = user\_searches.term\_id JOIN users ON users.id = user\_searches.user\_id WHERE users.id = "391";

ornament

heat

sex

secret

dry