Unix and SQL

1.
```
sqlite> CREATE TABLE cities (
 ...> city TEXT,
 ...> continent TEXT,
 ...> population INTEGER,
 ...> );
```

2.
```
INSERT INTO cities VALUES ('Seattle','North America',3700000);
```

3.
```
SELECT * FROM cities WHERE continent LIKE 'A%';
```
city	continent	population
Cairo	Africa	15200000
Lagos	Africa	21000000
Kyoto	Asia	1474570
Mumbai	Asia	20400000
Shanghai	Asia	24152700
Taipei	Asia	2705000
Melbourne	Australia	3900000

4.
```
SELECT * FROM cities WHERE population > 1000000 AND population < 5000000;
```
city	continent	population
Kyoto	Asia	1474570
Taipei	Asia	2705000
Melbourne	Australia	3900000
Rome	Europe	2715000
Rostov-on-	Europe	1052000
Boston	North Amer	4630000
Seattle	North Amer	3700000

5.
```
SELECT * FROM cities WHERE continent LIKE '%America' AND population > 5000000 ORDER BY city ASC;
```
city	continent	population
Atlanta	North America	5268000
New York	North America	21295000
Rio de Jan	South America	12280702
San Franci	North America	5780000
Santiago	South America	5507282

Client-Side vs Server-Side Processing

1.
Client side is much easier to use, can enter different information into the forms without reopening the entire site.

2.
Get no-internet t-rex when disconnecting server-side version from internet and hitting submit

Program works fine when disconnecting client side version form internet
This mean that using the server-side version of the program requires an internet connection.

Server-Side with SQL Experiments

1.
name   bringing
---------- ----------
Patrick   Drinks
Molly   Dog Treats
Tammy   Dessert
Martin   baloons

Webstie Observations
1. Amazon.com
 Client Side:
  The Ads at the top of the homepage scroll fine without any connection
  Hovering over my Account and Lists produces the expected dropdown menu
  Selecting All from the bar opens the main menu of all options
 Server-Side:
  Selecting Returns and Orders

2. Wikipedia.com
 Client Side:
  Search bar highlights when clicking in it
  Cursor blinks when search bar is selected
  Can open drop-down menu to Read Wikipedia in your language
 Server-Side:
  Selecting a language

3. pinkbike.com
 Client-Side:
  Changing the mouse from arrow to hand as hovering over different items
  Highlighting different items of the menu in red as over over them
  Places menu item shows drop down menu when hovering over it
 Server-Side:
  Searching the news module

4. gmail.com
 Client-Side:
  Showing hints for buttons when hovering (ex refresh, not starred)
  Switching between Primary, Social, and Promotions tabs
  Opening email texts
 Server-Side
  Loading email images