1.

```
MariaDB [hostiuk]> select count(*)as RowCount from vets;
+----------+
| RowCount |
+----------+
|    58253 |
+----------+
1 row in set (0.017 sec)
```

2.

```
MariaDB [hostiuk]> SELECT COUNT(*) FROM vets WHERE TRIM(state) = state;
+----------+
| COUNT(*) |
+----------+
|    58253 |
+----------+
1 row in set (0.033 sec)
```

I believe it returns the count of entries where the state has no unnecessary whitespace, which since it's equal to the amount of rows, means all unnecessary whitespace was already removed.

3.

```
MariaDB [hostiuk]> DELETE FROM vets WHERE lname = ',,,';
Query OK, 83 rows affected (0.038 sec)
```

There were 83 empty rows in the database.

4. I already trimmed the data by reading it in with ', ' as what differentiates fields.
5.

```
MariaDB [hostiuk]> select fname as "First Name", lname as "Last Name", town, state from vet
s where fname like 'GUADALUPE%';
+--------------------+-----------+-------------+-------+
| First Name         | Last Name | town        | state |
+--------------------+-----------+-------------+-------+
| GUADALUPE MASIAS   | ALVAREZ   | DONNA       | TX    |
| GUADALUPE          | FLORES    | BEXAR       | TX    |
| GUADALUPE JR       | GALINDO   | ROCKPORT    | TX    |
| GUADALUPE B L      | GARIBAY   | SAN DIEGO   | CA    |
| GUADALUPE          | GONZALEZ  | ALICE       | TX    |
| GUADALUPE MENDOZA  | LEAL      | QUITAQUE    | TX    |
| GUADALUPE          | LERMA     | EDCOUCH     | TX    |
| GUADALUPE          | MARTINEZ  | LAREDO      | TX    |
| GUADALUPE ESPARZA  | MONTOYA   | ARGO        | IL    |
| GUADALUPE          | PEREZ     | SAN JOAQUIN | CA    |
| GUADALUPE JR       | PRADO     | MERCEDES    | TX    |
| GUADALUPE          | RENDON    | CASA GRANDE | AZ    |
| GUADALUPE NATAL    | ZUNIGA    | SAN ANTONIO | TX    |
+--------------------+-----------+-------------+-------+
13 rows in set (0.022 sec)
```

6.

```
MariaDB [hostiuk]> SELECT DISTINCT COUNT(*) FROM vets where town like 'LOS %';
+----------+
| COUNT(*) |
+----------+
|      581 |
+----------+
1 row in set (0.019 sec)
```

7.

```
MariaDB [hostiuk]> SELECT DISTINCT COUNT(*) FROM vets where town like 'LOS %' AND NOT town
= 'LOS ANGELES';
+----------+
| COUNT(*) |
+----------+
|       43 |
+----------+
1 row in set (0.020 sec)
```

8.

```
MariaDB [hostiuk]> SELECT state, COUNT(*) FROM vets WHERE town LIKE 'LOS %' AND NOT town =
'LOS ANGELES' GROUP BY state;
+-------+----------+
| state | COUNT(*) |
+-------+----------+
| CA    |       34 |
| NM    |        6 |
| TX    |        3 |
+-------+----------+
3 rows in set (0.022 sec)
```

9.

```
MariaDB [hostiuk]> SELECT lname as "Last Name", fname as "First Name" FROM vets WHERE state
 = 'GU' ORDER BY lname asc;
```

10.

Not particularly? If the problem is supposed to be the quotes that were around the data, I trimmed them out while reading it in by using the ENCLOSED BY keyword.

```
MariaDB [hostiuk]> select * from States limit 10;
+----------------------+--------------+
| State                | Abbreviation |
+----------------------+--------------+
| Alaska               | AK           |
| Alabama              | AL           |
| Arkansas             | AR           |
| Arizona              | AZ           |
| California           | CA           |
| Colorado             | CO           |
| Connecticut          | CT           |
| District of Columbia | DC           |
| Delaware             | DE           |
| Florida              | FL           |
+----------------------+--------------+
10 rows in set (0.000 sec)
```

Week 4 Lab:

1.

```
MariaDB [hostiuk]> select COUNT(*) from States;
+----------+
| COUNT(*) |
+----------+
|       57 |
+----------+
1 row in set (0.000 sec)
```

I read the new csv.

2.

```
MariaDB [hostiuk]> SELECT state, COUNT(*) as cnt from vets GROUP BY state ORDER BY COUNT(*)
 DESC;
+-------+------+
| state | cnt  |
+-------+------+
| CA    | 5575 |
| NY    | 4120 |
| TX    | 3414 |
| PA    | 3141 |
| OH    | 3092 |
| IL    | 2930 |
| MI    | 2654 |
| FL    | 1950 |
| NC    | 1609 |
| GA    | 1583 |
```

3.

```
MariaDB [hostiuk]> select distinct state from vets except select Abbreviation from States o
rder by state;
+-------+
| state |
+-------+
| CZ    |
| SO    |
| VQ    |
| XA    |
| XB    |
| XC    |
| XE    |
| XF    |
| XG    |
| XI    |
| XJ    |
| XM    |
| XN    |
| XP    |
| XS    |
| ZZ    |
+-------+
16 rows in set (0.033 sec)
```

4. StudentExample creates a new database, as well as a CourseTable, EnrollmentTable, and StudentTable. EmployeesDatabase tries to create an employee database, or at least access one, and creates a departments and employees table.