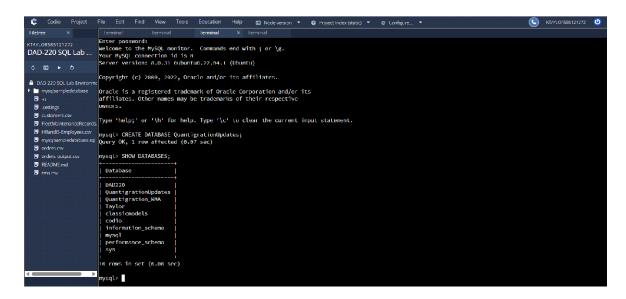
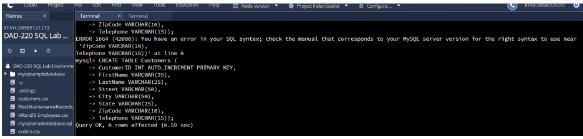
#### **Keandra Taylor**

### **Creating a Database**



Creating a table named Customers to store customer information with a primary key of Customer ID.



Creating a table named Orders to store order information with a primary key of Order ID and a foreign key of Customer ID.

```
Telephone VARCHAR(15));

Impropriedationses of Output (0.59 sec)

Orders output (0.59 sec)

Orders output (0.59 sec)

Orders output (0.59 sec)

Orders output (0.59 sec)

Order (0.59 sec)
```

Creating a table named RMA to store RMA information with a primary key of RMA ID and a foreign key of Order ID.

```
mysql> CREATE TABLE RNA (
-> RNAID INT AUTO_INCREMENT PRIMARY KEY,
-> OrderID INT,
-> Step VARCHAR(56),
-> Status VARCHAR(15),
-> Reason VARCHAR(15),
-> FOREION KEY (OrderID) REFERENCES Orders(OrderID));
Query UK, 0 rows affected (0.27 sec)

mysql>
```

## **Load and Query the Data**

Importing data from files to tables

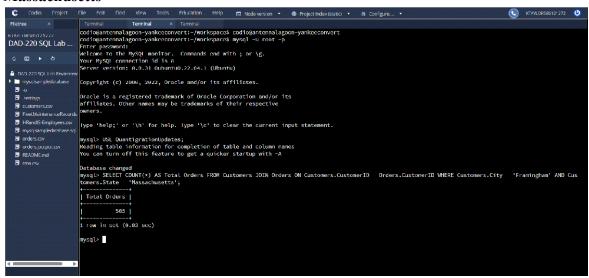
```
-> Reason VARCHAR(1s),
-> FOREIGN KEY (OrderID) REFERENCES Orders(OrderID));
Query OK, 8 rows affected (8.27 sec)

mysql> LOAD DATA INFILE '/home/codio/workspace/customers.csv' INTO TABLE Customers FIELDS TERMINATED BY ',' LINES TERMINATED BY '\r\n';
Query OK, 37994 rows affected (2.18 sec)
Records: 37994 Deleted: 8 Skipped: 8 Warnings: 8

mysql> LOAD DATA INFILE '/home/codio/workspace/orders.csv' INTO TABLE Orders FIELDS TERMINATED BY ',' LINES TERMINATED BY '\r\n';
Query OK, 37994 rows affected (2.57 sec)
Records: 37994 Deleted: 8 Skipped: 8 Warnings: 8

mysql> LOAD DATA INFILE '/home/codio/workspace/rma.csv' INTO TABLE RNA FIELDS TERMINATED BY ',' LINES TERMINATED BY '\r\n';
```

This is a query that returns the count of orders for customers located only in Framingham, Massachusetts



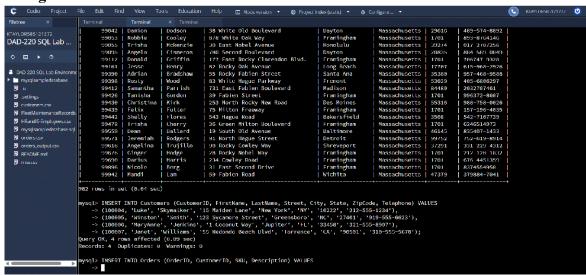
There were 505 total orders from customers located in Framingham, Massachusetts.

This is a query that selects all of the customers located in Massachusetts.

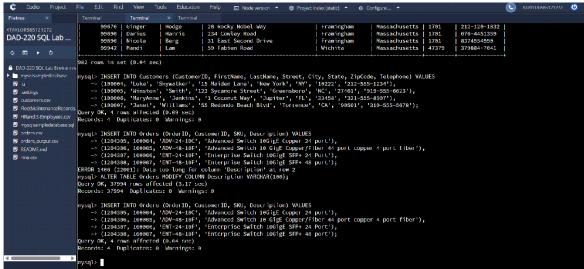


wrote the query SELECT \* FROM Customers WHERE State = 'Massachusetts'; and it returned 982 customers located in Massachusetts.

### **Inserting new records into Customers table**



Inserting new records into Orders table



I attempted to add the new orders to the order table and one of the descriptions were too long. I modified the character count for the description column and then added the new orders to the table.

# This is a query that counts all records where the city is Woonsocket and the state is Rhode Island

```
Figure 7

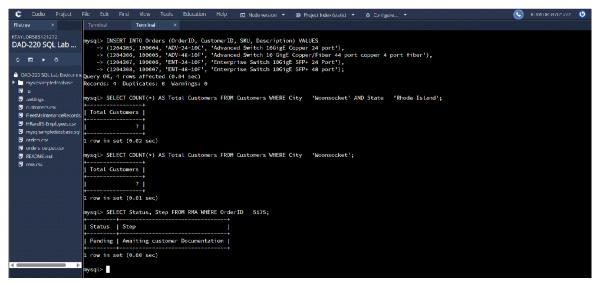
Figure 7

Figure 8

Final Mark Transfer File Fold Find Mark Took Fileration Help Nodewears Project Industrial Security Country Count
```

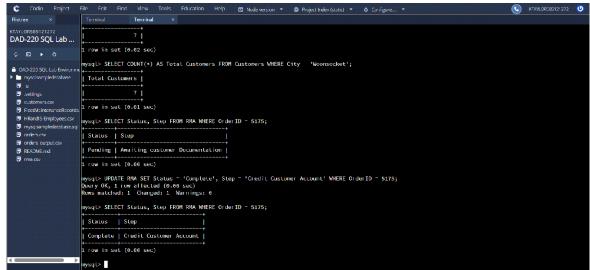
There are 7 customers in Woonsocket, Rhode Island.

This is a SQL statement that selects the current fields of status and step for the for OrderUD 5175

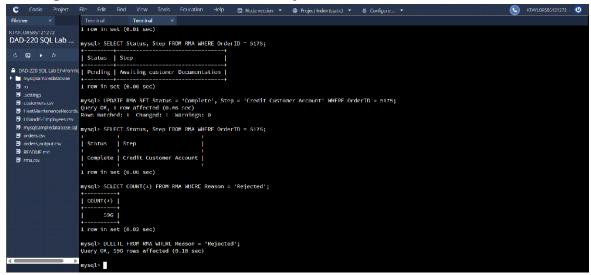


The status for OrderID 5175 is Pending and step is awaiting customer documentation.

## **Updating Status and Step of OrderID 5175**

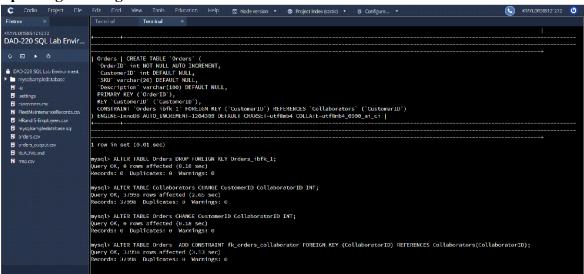


### **Deleting RMA records where Reason = Rejected**



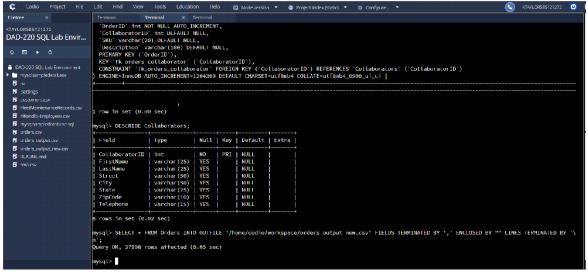
First I showed the amount with 'Rejected' as the reason. There were 596 records. Then I deleted them to crosscheck the amount.

### **Updating Existing Tables**



deleted the foreign key, changed all instances of "Customer" to "Collaborators", and then added the foreign key back.

### **Creating an Output File**



I used SQL to pull data from the Orders table and saved the results as a .csv file for easy sharing and analysis.