

DAD 220 Module Four Major Activity Template

Overview

Complete these steps as you work through the directions for this activity. Replace the bracketed text with your screenshots and brief explanations of the work the screenshots capture. Size each screenshot and its explanation to fit approximately one-quarter of the page with the description written below the screenshot. Review the Template Screenshot Example linked in the guidelines and rubric for this assignment to see how screenshots for your assignment should look.

Before you begin, follow steps one through four from the Module Three Major Activity Guidelines and Rubric only to generate tables for this assignment. Then follow the steps below to complete the activity.

Organize and Analyze Data in Tables

- **Import the data from each file into tables.**
 - Use the Quantigation RMA database, the three tables you created, and the three CSV files preloaded into Codio.
 - Use the import utility of your database program to load the data from each file into the table of the same name. You'll perform this step three times, once for each table.
 - Reference notes for this step: Import the CSV File into the MySQL table. Use the following line terminators when importing: `\r\n`. Do not use `IGNORE 1 LINES` for data that does not have column headers in the first row.
 - Provide the SQL commands you ran against MySQL to complete this step successfully.

```

Codo Project File Edit Find View Tools Education Help Configure... Project Index (static) Configure...
Filetree x
JCASELLO
DAD-220 SQL Lab Environment
DAD-220 SQL Lab Environment (master)
  settings
  create
  CREATE
  customers.csv
  describe
  FleetMaintenanceRecords.csv
  HRandIS-Employees.csv
  mysqlsampledatabase.sql
  orders.csv
  out
  README.md
  rma.csv
  use
  USE
Terminal x
+-----+
| CustomerID | int | YES | MUL | NULL | |
| Sex | varchar(20) | YES | | NULL | |
| Description | varchar(60) | YES | | NULL | |
+-----+
4 rows in set (0.00 sec)

mysql> ALTER TABLE Customers MODIFY COLUMN State VARCHAR(3);
ERROR 1146 (42S02): Table 'QuantigrationRMA.Customers' doesn't exist
mysql> ALTER TABLE Customers MODIFY COLUMN State VARCHAR(3);
ERROR 1146 (42S02): Table 'QuantigrationRMA.Customers' doesn't exist
mysql> ALTER TABLE customers MODIFY COLUMN State VARCHAR(3);
Query OK, 0 rows affected (0.41 sec)
Records: 0 Duplicates: 0 Warnings: 0

mysql> describe customers;
+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+
| CustomerID | int | NO | PRI | NULL | auto_increment |
| FirstName | varchar(50) | YES | | NULL | |
| LastName | varchar(50) | YES | | NULL | |
| StreetAddress | varchar(255) | YES | | NULL | |
| City | varchar(100) | YES | | NULL | |
| State | varchar(3) | YES | | NULL | |
| ZipCode | varchar(10) | YES | | NULL | |
| Telephone | varchar(15) | YES | | NULL | |
+-----+
8 rows in set (0.01 sec)

mysql> LOAD DATA INFILE '/home/codio/workspace/customers.csv' INTO TABLE Customers FIELDS TERMINATED BY ',' LINES TERMINATED BY '\r\n';
ERROR 1146 (42S02): Table 'QuantigrationRMA.Customers' doesn't exist
mysql> LOAD DATA INFILE '/home/codio/workspace/customers.csv' INTO TABLE customers FIELDS TERMINATED BY ',' LINES TERMINATED BY '\r\n';
ERROR 1406 (22001): Data too long for column 'State' at row 1
mysql> ALTER TABLE customers MODIFY COLUMN State VARCHAR(25);
Query OK, 0 rows affected (0.07 sec)
Records: 0 Duplicates: 0 Warnings: 0

mysql> describe customers;
+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+
| CustomerID | int | NO | PRI | NULL | auto_increment |
| FirstName | varchar(50) | YES | | NULL | |
| LastName | varchar(50) | YES | | NULL | |
| StreetAddress | varchar(255) | YES | | NULL | |
| City | varchar(100) | YES | | NULL | |
| State | varchar(25) | YES | | NULL | |
| ZipCode | varchar(10) | YES | | NULL | |
| Telephone | varchar(15) | YES | | NULL | |
+-----+
8 rows in set (0.00 sec)

mysql> LOAD DATA INFILE '/home/codio/workspace/customers.csv' INTO TABLE Customers FIELDS TERMINATED BY ',' LINES TERMINATED BY '\r\n';
ERROR 1146 (42S02): Table 'QuantigrationRMA.Customers' doesn't exist
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 (2.09 sec)
Records: 37994 Deleted: 0 Skipped: 0 Warnings: 0

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 (2.32 sec)
Records: 37994 Deleted: 0 Skipped: 0 Warnings: 0

mysql> LOAD DATA INFILE '/home/codio/workspace/rma.csv' INTO TABLE RMA FIELDS TERMINATED BY ','
-> LINES TERMINATED BY '\r\n';
Query OK, 38162 rows affected (2.76 sec)
Records: 38162 Deleted: 0 Skipped: 0 Warnings: 0

mysql>

```

SQL Commands:

LOAD DATA INFILE '/home/codio/workspace/customers.csv' INTO TABLE customers FIELDS TERMINATED BY ',' LINES TERMINATED BY '\r\n';

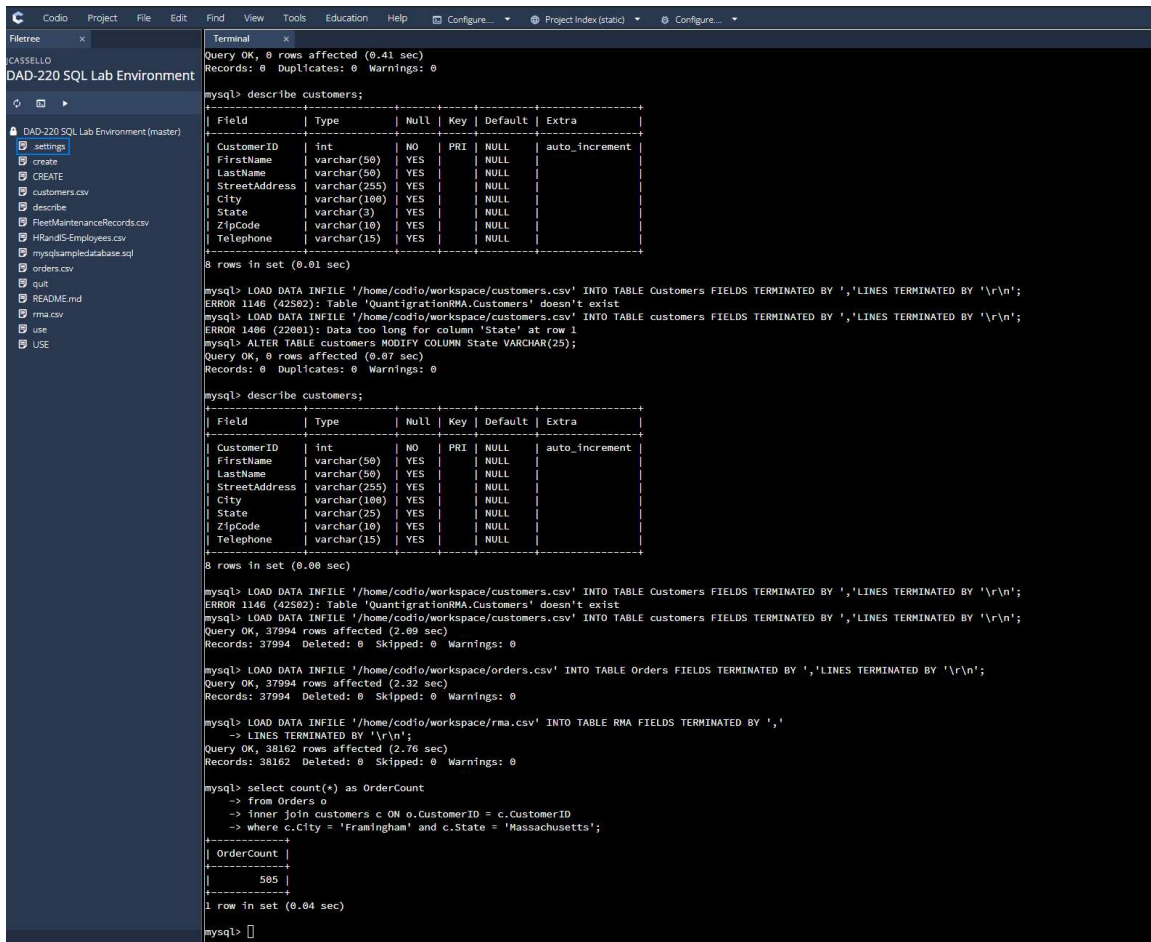
LOAD DATA INFILE '/home/codio/workspace/orders.csv' INTO TABLE Orders FIELDS TERMINATED BY ',' LINES TERMINATED BY '\r\n';

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

- **Write basic queries** against imported tables to organize and analyze targeted data. For each query you run in this step, include a screenshot of the query and its output. Also, include a one- to three-sentence explanation.
 - Write a SQL query that returns the count of orders for customers located only in Framingham, Massachusetts.
 - This query will use a table join between the Customers and Orders

tables. The query will also use a WHERE clause.

- Record an answer to the following question: How many records were returned? - **505 records returned**



```
Codio Project File Edit Find View Tools Education Help Configure... Project Index (static) Configure...
Filetree x
CASSELLO
DAD-220 SQL Lab Environment
DAD-220 SQL Lab Environment (master)
  settings
  create
  CREATE
  customers.csv
  describe
  FleetMaintenanceRecords.csv
  HRandS-Employees.csv
  mysqlsampledatabase.sql
  orders.csv
  quit
  README.md
  rma.csv
  use
  USE
Terminal x
Query OK, 0 rows affected (0.41 sec)
Records: 0 Duplicates: 0 Warnings: 0

mysql> describe customers;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| CustomerID | int | NO | PRI | NULL | auto_increment |
| FirstName | varchar(50) | YES | | NULL | |
| LastName | varchar(50) | YES | | NULL | |
| StreetAddress | varchar(255) | YES | | NULL | |
| City | varchar(100) | YES | | NULL | |
| State | varchar(3) | YES | | NULL | |
| ZipCode | varchar(10) | YES | | NULL | |
| Telephone | varchar(15) | YES | | NULL | |
+-----+-----+-----+-----+-----+-----+
8 rows in set (0.01 sec)

mysql> LOAD DATA INFILE '/home/codio/workspace/customers.csv' INTO TABLE Customers FIELDS TERMINATED BY ',' LINES TERMINATED BY '\r\n';
ERROR 1146 (42502): Table 'QuantigrationRMA.Customers' doesn't exist
mysql> LOAD DATA INFILE '/home/codio/workspace/customers.csv' INTO TABLE customers FIELDS TERMINATED BY ',' LINES TERMINATED BY '\r\n';
ERROR 1406 (22001): Data too long for column 'State' at row 1
mysql> ALTER TABLE customers MODIFY COLUMN State VARCHAR(25);
Query OK, 0 rows affected (0.07 sec)
Records: 0 Duplicates: 0 Warnings: 0

mysql> describe customers;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| CustomerID | int | NO | PRI | NULL | auto_increment |
| FirstName | varchar(50) | YES | | NULL | |
| LastName | varchar(50) | YES | | NULL | |
| StreetAddress | varchar(255) | YES | | NULL | |
| City | varchar(100) | YES | | NULL | |
| State | varchar(25) | YES | | NULL | |
| ZipCode | varchar(10) | YES | | NULL | |
| Telephone | varchar(15) | YES | | NULL | |
+-----+-----+-----+-----+-----+-----+
8 rows in set (0.00 sec)

mysql> LOAD DATA INFILE '/home/codio/workspace/customers.csv' INTO TABLE Customers FIELDS TERMINATED BY ',' LINES TERMINATED BY '\r\n';
ERROR 1146 (42502): Table 'QuantigrationRMA.Customers' doesn't exist
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 (2.09 sec)
Records: 37994 Deleted: 0 Skipped: 0 Warnings: 0

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 (2.32 sec)
Records: 37994 Deleted: 0 Skipped: 0 Warnings: 0

mysql> LOAD DATA INFILE '/home/codio/workspace/rma.csv' INTO TABLE RMA FIELDS TERMINATED BY ','
-> LINES TERMINATED BY '\r\n';
Query OK, 38162 rows affected (2.76 sec)
Records: 38162 Deleted: 0 Skipped: 0 Warnings: 0

mysql> select count(*) as OrderCount
-> from Orders o
-> inner join customers c ON o.CustomerID = c.CustomerID
-> where c.City = 'Framingham' and c.State = 'Massachusetts';
+-----+
| OrderCount |
+-----+
| 505 |
+-----+
1 row in set (0.04 sec)

mysql>
```

Here, the SQL query provided counts the number of orders for customers located only in Framingham, Massachusetts. It achieves this by joining the customers and Orders tables using the CustomerID as the common key and filtering the results to include only customers located in Framingham, Mass, using the where clause. The result of the query will indicate the count for customers in Framingham.

- Write a SQL query to select all of the customers located in Massachusetts.
 - Use a WHERE clause to limit the number of records in the Customers table to only those who are located in Massachusetts.
 - Record an answer to the following question: How many records were returned? - **982 records returned**

```

mysql> select count(*)
  -> from customers
  -> where state = 'Massachusetts';
+-----+
| count(*) |
+-----+
|      982 |
+-----+
1 row in set (0.02 sec)

mysql>

```

I forgot to select count originally and had to do it again, this time selecting count(*).

- Write a SQL query to insert four new records into the Orders and Customers tables using the data below.

• Customers Table

CustomerID	FirstName	LastName	StreetAddress	City	State	ZipCode	Telephone
100004	Luke	Skywalker	17 Maiden Lane	New York	NY	10222	212-555-1234
100005	Winston	Smith	128 Sycamore Street	Greensboro	NC	27401	919-555-6623
100006	MaryAnne	Jenkins	2 Coconut Way	Jupiter	FL	33458	321-555-8907
100007	Janet	Williams	58 Redondo Beach Blvd	Torrence	CA	90501	310-555-5678

```
Code Project File Edit Find View Tools Education Help Configure... Project Index (static) Configure...
DAD-220 SQL Lab Environment
DAD-220 SQL Lab Environment (master)
  settings
  create
  CREATE
  customers.csv
  describe
  insertIntoCustomersRecords.csv
  insertIntoCustomers.sql
  orders.csv
  orders.sql
  use

mysql> select count(*)
  -> from customers
  -> where state = 'Massachusetts';
+-----+
| count(*) |
+-----+
|      92 |
+-----+
1 row in set (0.02 sec)

mysql> insert into customers (CustomerID, FirstName, LastName, StreetAddress, City, State, ZipCode, Telephone)
  -> values
  -> (100004, 'Luke', 'Skywalker', '17 Malden Lane', 'New York', 'NY', '10222', '212-555-1234'),
  -> (100005, 'Winston', 'Smith', '128 Sycamore Street', 'Greensboro', 'NC', '27401', '919-555-9023'),
  -> (100006, 'Maryanne', 'Jenkins', '2 Coconut Way', 'Jupiter', 'FL', '33408', '321-555-8097'),
  -> (100007, 'Janet', 'Williams', '56 Radstone Beach Blvd', 'Torrance', 'CA', '90501', '310-555-5678');
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near '100004, 'Luke', 'Skywalker', '17 Malden Lane', 'New York', 'NY', '10222', '212-5' at line 2
mysql> insert into customers (CustomerID, FirstName, LastName, StreetAddress, City, State, ZipCode, Telephone)
  -> values
  -> (100004, 'Luke', 'Skywalker', '17 Malden Lane', 'New York', 'NY', '10222', '212-555-1234'),
  -> (100005, 'Winston', 'Smith', '128 Sycamore Street', 'Greensboro', 'NC', '27401', '919-555-9023'),
  -> (100006, 'Maryanne', 'Jenkins', '2 Coconut Way', 'Jupiter', 'FL', '33408', '321-555-8097'),
  -> (100007, 'Janet', 'Williams', '56 Radstone Beach Blvd', 'Torrance', 'CA', '90501', '310-555-5678');
Query OK, 4 rows affected (0.08 sec)
Records: 4 Duplicates: 0 Warnings: 0

mysql>
```

I forgot to include the values command the first time around and then corrected it.

- Orders Table

OrderID	CustomerID	SKU	Description
1204305	100004	ADV-24-10C	Advanced Switch 10GigE Copper 24 port
1204306	100005	ADV-48-10F	Advanced Switch 10 GigE Copper/Fiber 44 port copper 4 port fiber
1204307	100006	ENT-24-10F	Enterprise Switch 10GigE SFP+ 24 Port
1204308	100007	ENT-48-10F	Enterprise Switch 10GigE SFP+ 48 port

```
Code Project File Edit Find View Tools Education Help Configure... Project Index (static) Configure...
DAD-220 SQL Lab Environment
DAD-220 SQL Lab Environment (master)
  settings
  create
  CREATE
  customers.csv
  describe
  insertIntoCustomersRecords.csv
  insertIntoCustomers.sql
  orders.csv
  orders.sql
  use

mysql> select count(*)
  -> from customers
  -> where state = 'Massachusetts';
+-----+
| count(*) |
+-----+
|      92 |
+-----+
1 row in set (0.02 sec)

mysql> insert into customers (CustomerID, FirstName, LastName, StreetAddress, City, State, ZipCode, Telephone)
  -> values
  -> (100004, 'Luke', 'Skywalker', '17 Malden Lane', 'New York', 'NY', '10222', '212-555-1234'),
  -> (100005, 'Winston', 'Smith', '128 Sycamore Street', 'Greensboro', 'NC', '27401', '919-555-9023'),
  -> (100006, 'Maryanne', 'Jenkins', '2 Coconut Way', 'Jupiter', 'FL', '33408', '321-555-8097'),
  -> (100007, 'Janet', 'Williams', '56 Radstone Beach Blvd', 'Torrance', 'CA', '90501', '310-555-5678');
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near '100004, 'Luke', 'Skywalker', '17 Malden Lane', 'New York', 'NY', '10222', '212-5' at line 2
mysql> insert into customers (CustomerID, FirstName, LastName, StreetAddress, City, State, ZipCode, Telephone)
  -> values
  -> (100004, 'Luke', 'Skywalker', '17 Malden Lane', 'New York', 'NY', '10222', '212-555-1234'),
  -> (100005, 'Winston', 'Smith', '128 Sycamore Street', 'Greensboro', 'NC', '27401', '919-555-9023'),
  -> (100006, 'Maryanne', 'Jenkins', '2 Coconut Way', 'Jupiter', 'FL', '33408', '321-555-8097'),
  -> (100007, 'Janet', 'Williams', '56 Radstone Beach Blvd', 'Torrance', 'CA', '90501', '310-555-5678');
Query OK, 4 rows affected (0.08 sec)
Records: 4 Duplicates: 0 Warnings: 0

mysql> insert into orders (OrderID, CustomerID, SKU, Description)
  -> values
  -> (1204305, 100004, 'ADV-24-10C', 'Advanced Switch 10GigE Copper 24 port'),
  -> (1204306, 100005, 'ADV-48-10F', 'Advanced Switch 10GigE Copper/Fiber 44 port copper 4 port fiber'),
  -> (1204307, 100006, 'ENT-24-10F', 'Enterprise Switch 10GigE SFP+ 24 Port'),
  -> (1204308, 100007, 'ENT-48-10F', 'Enterprise Switch 10GigE SFP+ 48 Port');
ERROR 1064 (42000): Data too long for column 'Description' at row 2
mysql> describe Orders;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| OrderID | int | NO | PRI | NULL | |
| CustomerID | int | YES | MUL | NULL | |
| SKU | varchar(20) | YES | | NULL | |
| Description | varchar(50) | YES | | NULL | |
+-----+-----+-----+-----+-----+-----+
4 rows in set (0.00 sec)

mysql> alter table Orders
  -> modify column Description VARCHAR(100);
Query OK, 37984 rows affected (3.24 sec)
Records: 37984 Duplicates: 0 Warnings: 0

mysql> insert into Orders (OrderID, CustomerID, SKU, Description)
  -> values
  -> (1204305, 100004, 'ADV-24-10C', 'Advanced Switch 10GigE Copper 24 port'),
  -> (1204306, 100005, 'ADV-48-10F', 'Advanced Switch 10GigE Copper/Fiber 44 port copper 4 port fiber'),
  -> (1204307, 100006, 'ENT-24-10F', 'Enterprise Switch 10GigE SFP+ 24 Port'),
  -> (1204308, 100007, 'ENT-48-10F', 'Enterprise Switch 10GigE SFP+ 48 Port');
Query OK, 4 rows affected (0.65 sec)
Records: 4 Duplicates: 0 Warnings: 0

mysql>
```


- In the Customers table, perform a query to count all records where the city is Woonsocket and the state is Rhode Island.
- How many records are in the Customers table where the field "city" equals "Woonsocket"? - **7 records**

```

mysql> select count(*)
  -> from customers
  -> where state = 'Massachusetts';
+-----+
| count(*) |
+-----+
|      0   |
+-----+
1 row in set (0.02 sec)

mysql> insert into customers (CustomerID, FirstName, LastName, StreetAddress, City, State, ZipCode, Telephone)
  -> values
  -> (100004, 'Luke', 'Skywalker', '12 Malden Lane', 'New York', 'NY', '10022', '212-555-1234'),
  -> (100005, 'Winston', 'Smith', '128 Sycamore Street', 'Greensboro', 'NC', '27401', '810-555-0623'),
  -> (100006, 'Maryanne', 'Dumblumpe', '2 Coconut Key', 'Jupiter', 'FL', '33454', '321-555-4987'),
  -> (100007, 'Janet', 'Williams', '58 Redondo Beach Blvd', 'Torrance', 'CA', '90501', '310-555-5678');
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near '100004, 'Luke', 'Skywalker', '12 Malden Lane', 'New York', 'NY', '10022', '212-5' at line 2

mysql> insert into customers (CustomerID, FirstName, LastName, StreetAddress, City, State, ZipCode, Telephone)
  -> values
  -> (100004, 'Luke', 'Skywalker', '12 Malden Lane', 'New York', 'NY', '10022', '212-555-1234'),
  -> (100005, 'Winston', 'Smith', '128 Sycamore Street', 'Greensboro', 'NC', '27401', '810-555-0623'),
  -> (100006, 'Maryanne', 'Dumblumpe', '2 Coconut Key', 'Jupiter', 'FL', '33454', '321-555-4987'),
  -> (100007, 'Janet', 'Williams', '58 Redondo Beach Blvd', 'Torrance', 'CA', '90501', '310-555-5678');
Query OK, 4 rows affected (0.08 sec)
Records: 4 Duplicates: 0 Warnings: 0

mysql> insert into Orders (OrderID, CustomerID, SKU, Description)
  -> values
  -> (1204385, 100004, 'ADV-24-18C', 'Advanced Switch 1801G Copper 24 port'),
  -> (1204386, 100005, 'ADV-44-18F', 'Advanced Switch 1801G Copper/Fiber 44 port copper 4 port fiber'),
  -> (1204387, 100006, 'ENT-24-18F', 'Enterprise Switch 1801G SFP 24 port'),
  -> (1204388, 100007, 'ENT-44-18F', 'Enterprise Switch 1801G SFP 44 port');
ERROR 1064 (22001): Data too long for column 'Description' at row 2

mysql> describe Orders;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| OrderID | int | NO | PRI | NULL | |
| CustomerID | int | YES | MUL | NULL | |
| SKU | varchar(28) | YES | | NULL | |
| Description | varchar(50) | YES | | NULL | |
+-----+-----+-----+-----+-----+-----+
4 rows in set (0.00 sec)

mysql> alter table Orders
  -> modify column Description VARCHAR(180);
Query OK, 27094 rows affected (3.24 sec)
Records: 27094 Duplicates: 0 Warnings: 0

mysql> insert into Orders (OrderID, CustomerID, SKU, Description)
  -> values
  -> (1204385, 100004, 'ADV-24-18C', 'Advanced Switch 1801G Copper 24 port'),
  -> (1204386, 100005, 'ADV-44-18F', 'Advanced Switch 1801G Copper/Fiber 44 port copper 4 port fiber'),
  -> (1204387, 100006, 'ENT-24-18F', 'Enterprise Switch 1801G SFP 24 port'),
  -> (1204388, 100007, 'ENT-44-18F', 'Enterprise Switch 1801G SFP 44 port');
Query OK, 4 rows affected (0.05 sec)
Records: 4 Duplicates: 0 Warnings: 0

mysql> select count(*) as RecordCount
  -> from customers
  -> where city = 'Woonsocket' and State = 'Rhode Island';
+-----+
| RecordCount |
+-----+
|      7       |
+-----+
1 row in set (0.02 sec)

mysql>

```

- In the RMA database, update a customer's records.
- Write a SQL statement to select the current fields of **status** and **step** for the record in the **RMA** table with an **OrderID** value of "5175".
- What are the current status and step?

```

File Edit View Tools Education Help Debug Console SQL Project Indexes Tools > Configure... > F60810
New Query
--
SELECT * FROM customers (CustomerID, FirstName, LastName, StreetAddress, City, State, ZipCode, telephone)
-> | 100004, 'Luis', 'Daywalker', '17 Malden Lane', 'New York', 'NY', '10022', '212-555-1234' |
-> | 100005, 'Smith', 'Jim Spenser Street', 'Greenborough', 'NC', '27601', '919-555-9023' |
-> | 100006, 'Maryanne', 'Joshihike', '2 Coconut way', 'Hutter', 'IL', '21056', '212-555-8887' |
-> | 100007, 'Janet', 'Williams', '1st Redwood Beach Blvd', 'Turfgrass', 'CA', '90501', '210-555-5678' |
ERROR 1406 (22004): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near '100004, 'Luis', 'Daywalker', '17 Malden Lane', 'New York', 'NY', '10022', '212-5' at line 2
--
-> Values
-> | 100004, 'Luis', 'Daywalker', '17 Malden Lane', 'New York', 'NY', '10022', '212-555-1234' |
-> | 100005, 'William', 'Smith', '128 Spensere Street', 'Greenborough', 'NC', '27601', '919-555-9023' |
-> | 100006, 'Maryanne', 'Joshihike', '2 Coconut way', 'Hutter', 'IL', '21056', '212-555-8887' |
-> | 100007, 'Janet', 'Williams', '1st Redwood Beach Blvd', 'Turfgrass', 'CA', '90501', '210-555-5678' |
Query OK, 4 rows affected (0.08 sec)
Records: 4 Duplicates: 0 Warnings: 0

mysql> insert into Orders (OrderID, CustomerID, SKU, Description)
-> --
-> | 12104300, 100004, 'Adv-24-lbc', 'Advanced Switch 180IG Copper 24 Port' |
-> | 12104300, 100004, 'Adv-48-lbc', 'Advanced Switch 180IG Copper/Fiber 48 port copper 4 port fiber' |
-> | 12104307, 100006, 'Ent-24-lbc', 'Enterprise Switch 180IG SFPx 24 Port' |
-> | 12104309, 100007, 'Ent-48-lbc', 'Enterprise Switch 180IG SFPx 48 Port' |
ERROR 1406 (22004): Data too long for column 'Description' at row 2
--
mysql> describe Orders;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| OrderID | int | NO | PRI | NULL | |
| CustomerID | int | YES | MUL | NULL | |
| SKU | varchar(20) | YES | | NULL | |
| Description | varchar(50) | YES | | NULL | |
+-----+-----+-----+-----+-----+-----+
4 rows in set (0.08 sec)

mysql> alter table Orders
-> --
-> modify column Description VARCHAR(100);
Query OK, 27994 rows affected (3.24 sec)
Records: 27994 Duplicates: 0 Warnings: 0

mysql> insert into Orders (OrderID, CustomerID, SKU, Description)
-> --
-> Values
-> | 12104300, 100004, 'Adv-24-lbc', 'Advanced Switch 180IG Copper 24 Port' |
-> | 12104300, 100006, 'Adv-48-lbc', 'Advanced Switch 180IG Copper/Fiber 48 port copper 4 port fiber' |
-> | 12104307, 100006, 'Ent-24-lbc', 'Enterprise Switch 180IG SFPx 24 Port' |
-> | 12104309, 100007, 'Ent-48-lbc', 'Enterprise Switch 180IG SFPx 48 Port' |
Query OK, 4 rows affected (0.09 sec)
Records: 4 Duplicates: 0 Warnings: 0

mysql> select count(*) as RecordCount
-> --
-> from customers
-> where city = "Manassasville" and State = "Rhode Island";
+-----+
| RecordCount |
+-----+
| 7 |
+-----+
1 row in set (0.62 sec)

mysql> select Status, Step
-> --
-> where OrderID = '5175';
+-----+-----+
| Status | Step |
+-----+-----+
| Pending | Awaiting customer Documentation |
+-----+-----+
1 row in set (0.61 sec)

mysql> 

```

- Write a SQL statement to update the **status** and **step** for the **OrderID**, 5175 to **status** = "Complete" and **step** = "Credit Customer Account".
 - What are the updated **status** and **step** values for this record? Provide a screenshot of your work.

```
mysql> values
-> (1204305, 100004, 'ADV-24-10C', 'Advanced Switch 10GigE Copper 24 port'),
-> (1204306, 100005, 'ADV-48-10F', 'Advanced Switch 10GigE Copper/Fiber 44 port copper 4 port fiber'),
-> (1204307, 100006, 'ENT-24-10F', 'Enterprise Switch 10GigE SFP+ 24 Port'),
-> (1204308, 100007, 'ENT-48-10F', 'Enterprise Switch 10GigE SFP+ 48 Port');
ERROR 1406 (22001): Data too long for column 'Description' at row 2
mysql> describe Orders;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| OrderID | int | NO | PRI | NULL | |
| CustomerID | int | YES | MUL | NULL | |
| SKU | varchar(20) | YES | | NULL | |
| Description | varchar(50) | YES | | NULL | |
+-----+-----+-----+-----+-----+-----+
4 rows in set (0.00 sec)

mysql> alter table Orders
-> modify column Description VARCHAR(100);
Query OK, 37994 rows affected (3.24 sec)
Records: 37994 Duplicates: 0 Warnings: 0

mysql> insert into Orders (OrderID, CustomerID, SKU, Description)
-> values
-> (1204305, 100004, 'ADV-24-10C', 'Advanced Switch 10GigE Copper 24 port'),
-> (1204306, 100005, 'ADV-48-10F', 'Advanced Switch 10GigE Copper/Fiber 44 port copper 4 port fiber'),
-> (1204307, 100006, 'ENT-24-10F', 'Enterprise Switch 10GigE SFP+ 24 Port'),
-> (1204308, 100007, 'ENT-48-10F', 'Enterprise Switch 10GigE SFP+ 48 Port');
Query OK, 4 rows affected (0.05 sec)
Records: 4 Duplicates: 0 Warnings: 0

mysql> select count(*) as RecordCount
-> from customers
-> where city = 'Woonsocket' and State = 'Rhode Island';
+-----+
| RecordCount |
+-----+
| 7 |
+-----+
1 row in set (0.02 sec)

mysql> select Status, Step
-> from RMA
-> where OrderID = '5175';
+-----+-----+
| Status | Step |
+-----+-----+
| Pending | Awaiting customer Documentation |
+-----+-----+
1 row in set (0.01 sec)

mysql> update RMA
-> set status = 'Complete', Step = 'Credit Customer Account'
-> where OrderID = '5175';
Query OK, 1 row affected (0.05 sec)
Rows matched: 1 Changed: 1 Warnings: 0

mysql> select Status, Step
-> from RMA
-> where OrderID = '5175';
+-----+-----+
| Status | Step |
+-----+-----+
| Complete | Credit Customer Account |
+-----+-----+
1 row in set (0.01 sec)

mysql>
```

- Delete RMA records.
 - Write a SQL statement to delete all records with a reason of "Rejected".
 - How many records were deleted? Provide a screenshot of your work. - **596 records**


```
Codio Project File Edit Find View Tools Education Help Configure... Project Index (static) Configure...

Filetree x
CASSELLO
DAD-220 SQL Lab Environment
DAD-220 SQL Lab Environment (master)
.settings
.create
.CREATE
customers.csv
.describe
FleetMaintenanceRecords.csv
HRandIS-Employees.csv
mysqlsampledatabase.sql
orders.csv
.quit
README.md
.rma.csv
.use
.USE

Terminal x
-> (1204308, 100007, 'ENT-48-10F', 'Enterprise Switch 10GigE SFP+ 48 Port');
ERROR 1406 (22001): Data too long for column 'Description' at row 2
mysql> describe Orders;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| OrderID | int | NO | PRI | NULL | |
| CustomerID | int | YES | MUL | NULL | |
| SKU | varchar(20) | YES | | NULL | |
| Description | varchar(50) | YES | | NULL | |
+-----+-----+-----+-----+-----+-----+
4 rows in set (0.00 sec)

mysql> alter table Orders
-> modify column Description VARCHAR(100);
Query OK, 37994 rows affected (3.24 sec)
Records: 37994 Duplicates: 0 Warnings: 0

mysql> insert into Orders (OrderID, CustomerID, SKU, Description)
-> values
-> (1204305, 100004, 'ADV-24-10C', 'Advanced Switch 10GigE Copper 24 port'),
-> (1204306, 100005, 'ADV-48-10F', 'Advanced Switch 10GigE Copper/Fiber 44 port copper 4 port fiber'),
-> (1204307, 100006, 'ENT-24-10F', 'Enterprise Switch 10GigE SFP+ 24 Port'),
-> (1204308, 100007, 'ENT-48-10F', 'Enterprise Switch 10GigE SFP+ 48 Port');
Query OK, 4 rows affected (0.05 sec)
Records: 4 Duplicates: 0 Warnings: 0

mysql> select count(*) as RecordCount
-> from customers
-> where city = 'Woonsocket' and State = 'Rhode Island';
+-----+
| RecordCount |
+-----+
| 7 |
+-----+
1 row in set (0.02 sec)

mysql> select Status, Step
-> from RMA
-> where OrderID = '5175';
+-----+-----+
| Status | Step |
+-----+-----+
| Pending | Awaiting customer Documentation |
+-----+-----+
1 row in set (0.01 sec)

mysql> update RMA
-> set status = 'Complete', Step = 'Credit Customer Account'
-> where OrderID = '5175';
Query OK, 1 row affected (0.05 sec)
Rows matched: 1 Changed: 1 Warnings: 0

mysql> select Status, Step
-> from RMA
-> where OrderID = '5175';
+-----+-----+
| Status | Step |
+-----+-----+
| Complete | Credit Customer Account |
+-----+-----+
1 row in set (0.01 sec)

mysql> delete from RMA
-> where Reason = 'Rejected';
Query OK, 596 rows affected (0.10 sec)

mysql>
```

- **Create an output file** of the required query results.

Write a SQL statement to list the contents of the Orders table and send the output to a file that has a .csv extension.

```
Codio Project File Edit Find View Tools Education Help Configure... Project Index (static) Configure...

Filetree x
CASSELLO
DAD-220 SQL Lab Environment
  settings
  create
  CREATE
  customers.csv
  describe
  FleetMaintenanceRecords.csv
  HRandIS-Employees.csv
  MajorLabActivity4.csv
  mysqldatabase.sql
  orders.csv
  quit
  README.md
  rma.csv
  use
  USE

Terminal x
| Description | varchar(50) | YES | | NULL | |
+-----+
4 rows in set (0.00 sec)

mysql> alter table Orders
-> modify column Description VARCHAR(100);
Query OK, 37994 rows affected (3.24 sec)
Records: 37994 Duplicates: 0 Warnings: 0

mysql> insert into Orders (OrderID, CustomerID, SKU, Description)
-> values
-> (1204305, 100004, 'ADV-24-10C', 'Advanced Switch 10GigE Copper 24 port'),
-> (1204306, 100005, 'ADV-48-10F', 'Advanced Switch 10GigE Copper/Fiber 44 port copper 4 port fiber'),
-> (1204307, 100006, 'ENT-24-10P', 'Enterprise Switch 10GigE SFP+ 24 Port'),
-> (1204308, 100007, 'ENT-48-10P', 'Enterprise Switch 10GigE SFP+ 48 Port');
Query OK, 4 rows affected (0.05 sec)
Records: 4 Duplicates: 0 Warnings: 0

mysql> select count(*) as RecordCount
-> from customers
-> where city = 'Woonsocket' and State = 'Rhode Island';
+-----+
| RecordCount |
+-----+
| 7 |
+-----+
1 row in set (0.02 sec)

mysql> select Status, Step
-> from RMA
-> where OrderID = '5175';
+-----+
| Status | Step |
+-----+
| Pending | Awaiting customer Documentation |
+-----+
1 row in set (0.01 sec)

mysql> update RMA
-> set status = 'Complete', Step = 'Credit Customer Account'
-> where OrderID = '5175';
Query OK, 1 row affected (0.05 sec)
Rows matched: 1 Changed: 1 Warnings: 0

mysql> select Status, Step
-> from RMA
-> where OrderID = '5175';
+-----+
| Status | Step |
+-----+
| Complete | Credit Customer Account |
+-----+
1 row in set (0.01 sec)

mysql> delete from RMA
-> where Reason = 'Rejected';
Query OK, 596 rows affected (0.10 sec)

mysql> select *
-> from Orders
-> into outfile '/home/codio/workspace/MajorActivity4.csv'
-> fields terminated by ','
-> lines terminated by '\r\n';
ERROR 1088 (HY000): File '/home/codio/workspace/MajorActivity4.csv' already exists
mysql> select * from Orders into outfile '/home/codio/workspace/MajorLabActivity4.csv' fields terminated by ',' lines terminated by '\r\n';
Query OK, 37998 rows affected (0.06 sec)

mysql>
```