# DAD 220 Module Four Major Activity Database Documentation Template

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 they capture. Each screenshot and its explanation should be sized to approximately one quarter of the page, with the description written below the screenshot. Follow these rules for each of the prompts and questions below. Review the example document for assistance.

**Follow Steps 1 through 4 from the Module Three Major Activity *only* to generate tables for this assignment.**

1. Import the data from each file into tables.
   1. 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.
   2. Provide the SQL commands you ran against MySQL to complete this successfully in your answer.

A computer screen with text on it

Description automatically generated

LOAD DATA INFILE '/home/codio/workspace/customers.csv' INTO TABLE Customers FIELDS

TERMINATED BY ',' LINES TERMINATED BY'\n';

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

LOAD DATA INFILE '/home/codio/workspace/orders.csv' INTO TABLE Orders FIELDS TERMINATED BY ','

LINES TERMINATED BY'\n';

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

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

TERMINATED BY'\n';

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

1. Write basic queries against imported tables to organize and analyze targeted data.

For each query, include a screenshot of the query and its output. You should also include a 1- to 3-sentence description of the output.

* 1. Write an SQL query that returns the count of orders for customers located only in the city of Framingham, Massachusetts.
     1. How many records were returned?

A screenshot of a computer

Description automatically generated

The statement utilized to returns the count of orders for customers is

select \* from Customers where city = 'Framingham' And State = 'Massachusetts' \G;

The statement produces 505 results.

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

A screenshot of a computer

Description automatically generated

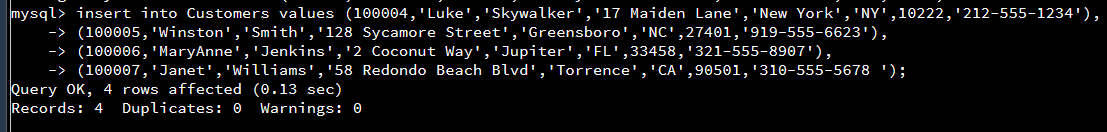
The statement used to select all customers from MA is

select \* from Customers where State = 'Massachusetts' \G;

The statement produces 982 results.

* 1. Write an SQL query to insert four new records into the Orders and Customers tables using the following data:
     1. 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 |



Here we insert the new information into the table. I used the traditional insert into Customers values ().

* + 1. 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 |

A screen shot of a computer

Description automatically generated

Here we insert new data once again. Here we use insert into Orders values (),

* 1. In the Customers table, perform a query to count all records where the city is Woonsocket, Rhode Island.
     1. How many records are in the customers table where the field “city” equals “Woonsocket”?

A black screen with white text

Description automatically generated

The query gives us 7 results.

* 1. In the RMA database, update a customer’s records.
     1. Write an SQL statement to select the current fields of **status** and **step** for the record in the **rma**table with an **orderid**value of “5175.”
        1. What are the current status and step?

A screen shot of a computer

Description automatically generated

Here we select the specifics columns requested. We use the select statement along with the columns from the table, and we use where to select OrderID.

* + 1. Write an SQL statement to update the**status** and **step**for the **OrderID**, 5175 to **status**= “Complete” and **step**= “Credit Customer Account.”
       1. What are the updated **status**and **step**values for this record? Provide a screenshot of your work.

A screenshot of a computer program

Description automatically generated

Here we update the requested columns. We select the wanted columns and the use the update statement just like the screenshot provided.

* 1. Delete RMA records.
     1. Write an SQL statement to delete all records with a reason of “Rejected.”
        1. How many records were deleted? Provide a screenshot of your work.

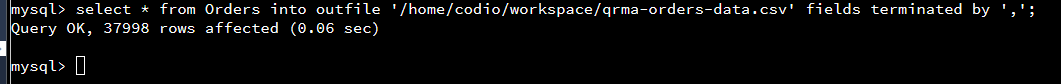
A screenshot of a computer program

Description automatically generated

0 records were deleted. I verified by using the statements in the screenshot. We use the delete statement to delete all Rejected.

1. Create an output file of the required query results.

Write an SQL statement to list the contents of the orders table and send the output to a file with a .csv extension.



Here we use the outfile statement on the screenshot to send it to a CSV extension.