# 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.

This table shows the imported data from customers.csv in a table format which holds 38000 records but im only showing the first 10.

A screenshot of a computer screen

Description automatically generated

* + 1. LOAD DATA INFILE '/home/codio/workspace/customers.csv'

INTO TABLE Customers

FIELDS TERMINATED BY ','

LINES TERMINATED BY '\n';

Query OK, 37994 rows affected (0.33 sec)

Records: 37994 Deleted: 0 Skipped: 0 Warnings: 0

This table shows the imported data from orders.csv in a table format which holds 38000 records but im only showing the first 10.

A screenshot of a computer program

Description automatically generated

* + - 1. LOAD DATA INFILE '/home/codio/workspace/orders.csv'

INTO TABLE Orders

FIELDS TERMINATED BY ','

LINES TERMINATED BY '\n';

Query OK, 37994 rows affected, 4173 warnings (0.39 sec)

Records: 37994 Deleted: 0 Skipped: 0 Warnings: 4173

This table shows the imported data from rma.csv in a table format which holds 38000 records but im only showing the first 10.

A screen shot of a computer screen

Description automatically generated

* + - * 1. LOAD DATA INFILE '/home/codio/workspace/rma.csv'

INTO TABLE RMA

FIELDS TERMINATED BY ','

LINES TERMINATED BY '\n';

Query OK, 38162 rows affected (0.65 sec)

Records: 38162 Deleted: 0 Skipped: 0 Warnings: 0

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?
        1. 505 records were shown for the city of Framingham

In the results below I designated the select count \* to retrieve all the records from the customer table but instead of returning the data it returned a number, and then I specified which city to retrieve which lead my results to be 505 which indicates that there are 505 records for the specific city in this table.

A screenshot of a computer program

Description automatically generated

SELECT COUNT(\*)

FROM Customers

WHERE City = 'Framingham';

I noticed that this step mentioned the join method so I did it again with updated code and received the same results

A screen shot of a computer

Description automatically generated

SELECT COUNT(Orders.OrderID) AS OrderCount

FROM Customers JOIN Orders ON Customers.CustomerID = Orders.CustomerID

WHERE Customers.City = 'Framingham' AND Customers.State = 'Massachusetts';

* 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?
        1. There 982 records returned for customers in the state of Massachusetts.

The table below returns the count record for every customer residing in the state of Massachusetts.

A screenshot of a computer program

Description automatically generated

* 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 |

The code below is adding 4 new sets of data into the Customers table

A black screen with white text

Description automatically generated

INSERT INTO Customers (CustomerID, FirstName, LastName, StreetAddress, City, State, ZipCode, Telephone)

VALUES

(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', 'Torrance', 'CA', '90501', '310-555-5678');

* + 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 |

The code below is adding 4 new sets of data into the Orders table

A screen shot of a computer

Description automatically generated

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 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');

* 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”?
        1. There are 7 records for customers in woonsocket.

The code below pulls all the data from the customers table and checks if the city is equal to Woonsocket, it then return the number value for how many passed that parameter

A screen shot of a computer

Description automatically generated

SELECT COUNT(\*)

FROM Customers

WHERE City = 'Woonsocket' AND State = 'Rhode Island';

* 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?
           1. The current status and step are Pending and Awaiting customer Documentation

A screenshot of a computer program

Description automatically generated

SELECT Status, Step

FROM RMA

WHERE OrderID = '5175';

* + 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.
          1. The updated status is Complete and the updated Step is Credit Customer Account

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Description automatically generated

UPDATE RMA

SET Status = 'Complete', Step = 'Credit Customer Account'

WHERE OrderID = '5175';

A screenshot of a computer program

Description automatically generated

SELECT Status, Step

FROM RMA

WHERE OrderID = '5175';

* 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.
           1. It looks like 0 rows were affected so 0 records were deleted.

A black screen with white text

Description automatically generated

DELETE FROM RMA

WHERE Reason = 'Rejected';

To confirm there are no records with the reason of rejected.

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Description automatically generated

SELECT COUNT(\*)

FROM RMA

WHERE Reason = '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.

A screenshot of a computer code

Description automatically generated

