# 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.

INTO TABLE Customers‬

FIELDS TERMINATED BY ','‬

LINES TERMINATED BY '\r\n';‬

INTO TABLE Orders‬

FIELDS TERMINATED BY ','‬

LINES TERMINATED BY '\r\n';‬

INTO TABLE RMA‬

FIELDS TERMINATED BY ','‬

LINES TERMINATED BY '\r\n';‬

A computer screen with white text

Description automatically generated

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? (505 records)

Command:

SELECT \* FROM Customers WHERE City = 'Framingham' AND State = 'Massachuse';

A screenshot of a computer

Description automatically generated

Command:

SELECT \* FROM Customers INNER JOIN Orders ON Customers.CustomerID = Orders.CustomerID WHERE UPPER(Customers.city) =

Framingham' AND UPPER(Customers.state) = 'Massachuse';

A screenshot of a computer program

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Command:

SELECT \* FROM Customers WHERE City = 'Framingham';

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Description automatically generated

Explanation: Above I include 3 possible ways to retrive order placed in the City of Framingham in the State of Massachusetts. I did realize I messed up while creating my Customers Table. I did State with a VARCHAR(10) instead of (25). This mistake cost me so much trouble, but I figured it out.

* 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?

Command:

SELECT \* FROM Customers Where State = 'Massachuse';

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Explanation: With the command above I was able to retrieve all customers from Massachusets.

* 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 |

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Explanation: With the above code I added the information provided into the 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 |

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A screen shot of a computer program

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Explanation: With the code above I inserted the information provide into orders. Assigned the values to OrderID,Customerid, SKU, and Description.

* 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 screen shot of a computer program

Description automatically generated

Explanation: I used this query to return the count of all records in the Customers table where the city is Woonsocket and the state is 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?

A screenshot of a computer program

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Explanation: With the query from above I returned the order details of Order 5175. The current status is Pending. The current step is “Awaiting customer Documentation”.

* + 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

Explanation: From the screenshot above we can see the UPDATE query I utilized to change the status and step for Order 5175. I also ran the previous query to show proof.

* 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

Explanation: In the screenshot above I used the Delete query to remove any orders in the RMA with reason code ‘Rejected’. Afterwards ran the query Select Count Reason= Rejected and it came back with a count of 0 showing all records meeting the criteria had been deleted.

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 screen shot of a computer code

Description automatically generated

Explanation: Created an output file in the workspace/output director. I used the conditions to separate the data for ease later on pulling it back.