# DAD 220 Module Four Major Activity Database Documentation

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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 will 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:

LOAD DATE INFILE ‘/home/codio/workspace/customers.csv’

INTO TABLE Customers

FIELDS TERMINATED BY ‘,’

ENCLOSED BY ‘”’

LINES TERMINATED BY ‘\n’;

LOAD DATE INFILE ‘/home/codio/workspace/orders.csv’

INTO TABLE Orders

FIELDS TERMINATED BY ‘,’

ENCLOSED BY ‘”’

LINES TERMINATED BY ‘\n’;

LOAD DATE INFILE ‘/home/codio/workspace/rma.csv’

INTO TABLE RMA

FIELDS TERMINATED BY ‘,’

ENCLOSED 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 brief, 1-3 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?

[From the screenshot, it seems to be 505 records. And to explain how I returned that answer, was using the COUNT(\*) usage taking FROM Collaborators and WHERE City and AND State.]

Text

Description automatically generated

* 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?

Text

Description automatically generated

[From here, we see there are a return of 982 records from Collaborators. Similar to the previous question, but instead of using City AND State, we only use State.]

* 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 Waay | Jupiter | FL | 33458 | 321-555-8907 |
| 100007 | Janet | Williams | 58 Redondo Beach Blvd | Torrence | CA | 90501 | 310-555-5678 |

Text

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[Very simple solution here! Just setting up each “customer” with each section. First up is CustomerID, FirstName, LastName, StreetAddress, City, State, ZipCode, and Telephone. You just have to make sure you’re using the right string vs INT!]

* + 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 |

Text

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[Again, very simply add each value into each section!]

* 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’?

Text

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[There are seven records that show after searching for City=Woonsocket!]

* 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?

Text

Description automatically generated

[Searching through all the Status and Steps to parse out OrderID 5715.]

* + 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.

Text

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[Changing JUST the status and step of OrderID=’5715’, having to dig right into each part was simple once I figured out the “update” and “set” functions.]

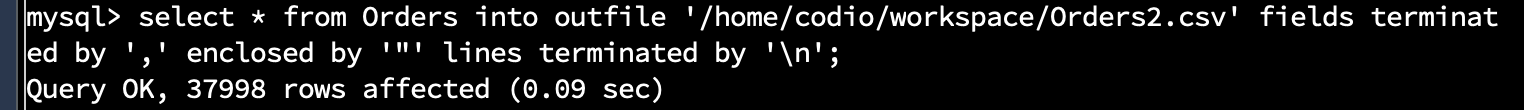
* 1. Delete rma records.
     1. Write an SQL statement to delete all records with a reason of ‘Rejected’.
        1. How many records were deleted? Provide a screenshot of your work.

Text

Description automatically generated

[There were no rows or records deleted with status=’rejected’. It seems that there were no records in status=’rejected’ to begin with.]

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 that has a .csv extension.



[An “outfile” created of Orders2 with the file format of csv, saved to ‘/home/codio/workspace/..’.]