

# DAD 220 Module Four Major Activity Database Documentation

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**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.

LOAD DATA INFILE '/home/codio/workspace/customers.csv'

INTO TABLE Customers

FIELDS TERMINATED BY ','

ENCLOSED BY '"'

LINES TERMINATED BY '\n'

IGNORE 1 ROWS;

LOAD DATA INFILE '/home/codio/workspace/rma.csv'

INTO TABLE RMA

FIELDS TERMINATED BY ','

ENCLOSED BY '"'

LINES TERMINATED BY '\n'

IGNORE 1 ROWS;

LOAD DATA INFILE '/home/codio/workspace/orders.csv'

INTO TABLE Orders

FIELDS TERMINATED BY ','

ENCLOSED BY '"'

LINES TERMINATED BY '\n'

IGNORE 1 ROWS;

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
      * How many records were returned?  
          
        505 customers live in that City.
   2. 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?

982 customers live in Massachusetts.  
  
A screenshot of a computer

Description automatically generated with medium confidence

* 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 |

insert into Customers

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', 'Torrence', 'CA', 90501, '310-555-5678');  
  
A screenshot of a computer

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* + 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 |

insert into Orders

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');  
  
A picture containing text

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* 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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* 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?

Timeline

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* + 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.

update RMA

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

WHERE OrderID = 5175;  
  
Text

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* 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.

delete from RMA

where Reason LIKE '%Rejected%';  
  
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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.

select \*

from Orders

into outfile'/home/codio/workspace/Lab4\_Major\_Activity.csv' FIELDS TERMINATED BY',';

Text

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