# DAD 220

# Professor Renetta English

# Matthew Keaton

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# DAD 220 Module Three Major Activity Database

## Create a Database

1. In your integrated development environment (IDE), **create a database schema** called QuantigrationRMA. List out the database name. Provide the SQL commands you ran to successfully complete this in your answer, then connect to it:

* Create database QuantigrationRMA;
* Show databases;
* Use QuantigrationRMA;

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1. Using the entity relationship diagram (ERD) as a reference, **create** the following **tables with the appropriate attributes and keys**:
   1. A table named **customers** in the QuantigrationRMA database as defined on the project ERD. Provide the SQL commands you ran against MySQL to complete this successfully in your answer:

* Create table Customers (
  + create table Customers (
  + CustomerID INT PRIMARY KEY,
  + FirstName VARCHAR (25),
  + LastName VARCHAR (25),
  + Street VARCHAR (50),
  + City VARCHAR (50),
  + State VARCHAR (25),
  + ZipCode VARCHAR (10),
  + Telephone VARCHAR (15));

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* 1. A table named **orders** in the QuantigrationRMA database as defined on the project ERD. Provide the SQL commands you ran against MySQL to complete this successfully in your answer:
* Create table Orders (
  + create table Orders (
  + OrderID INT PRIMARY KEY,
  + CustomerID INT,
  + SKU VARCHAR (20),
  + Description VARCHAR (50),
  + FOREIGN KEY (CustomerID) REFERENCES Customers(CustomerID));

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* 1. A table named **rma** in the QuantigrationRMA database as defined on the project ERD. Provide the SQL commands you ran against MySQL to complete this successfully in your answer:
* Create table RMA (
  + create table RMA (
  + RMAID INT PRIMARY KEY,
  + OrderID INT,
  + Step VARCHAR (50),
  + Status VARCHAR (15),
  + Reason VARCHAR (15),
  + FOREIGN KEY (OrderID) REFERENCES Orders(OrderID));

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1. Manually **add 10 records** into the **Customers table**. The data can be made up for now, as you you’ll populate all three tables later from the provided CSV files.

* INSERT INTO Customers VALUES
  + -> (100, 'Matthew', 'Keaton', 'West Ave', 'Detroit', 'Michigan', '45096', '9104320909'),
  + -> (101, 'Jenny', 'Tabert', 'East Ave', 'Columbus', 'Ohio', '43434', '9433458543'),
  + -> (102, 'Mark', 'Ruffalo', 'North Ave', 'Las Vegas', 'Nevada', '56456', '3458759874'),
  + -> (103, 'Jane', 'Kempt', 'South Ave', 'San Diego', 'California', '87690', '5749309845');
  + (104, 'Clark', 'Kent', 'Southwest Ave', 'Dallas', 'Texas', '78945', '4859368457'),
  + -> (105, 'Mary', 'Mack', 'Northwest Ave', 'Houston', 'Texas', '45676', '8537548364'),
  + -> (106, 'Toby', 'Clark', 'Southeast Ave', 'Miami', 'Florida', '78654', '8463789546'),
  + -> (107, 'Lewis', 'Keith', 'Northeast Ave', 'Raleigh', 'North Carolina', '89543', '7589484657'),
  + -> (108, 'Ruby', 'Tuesday', 'Center Ave', 'Charleston', 'South Carolina', '98765', '9876541234'),
  + -> (109, 'Jimmy', 'Swan', 'Left Ave', 'Denver', 'Colorado', '45678', '4566544565');

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1. Create a view from the **existing Customers table** by using the SQL command provided belowto say "Collaborators." The view should show all instances of "Customer" renamed as "Collaborator."

* CREATE VIEW Collaborator AS
* SELECT CustomerID AS CollaboratorID, CustomerID, FirstName, LastName, Street, City, State, ZipCode, Telephone
* FROM Customers;
* SELECT\*
* FROM Collaborator LIMIT 5;

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