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DAD-220

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## Step One: 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:

Created via **create database QuantigrationRMA**

Connect to with **use QuantigrationRMA**Text

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1. Using the 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(

CustomerID INT,

FirstName VARCHAR(25),

LastName VARCHAR(25),

Street VARCHAR(50),

City VARCHAR(50),

State VARCHAR(25),

ZipCode INT,

Telephone VARCHAR(15),

PRIMARY KEY (CustomerID)

);

Text

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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(

OrderID int,

CustomerID INT,

SKU VARCHAR(20),

Description VARCHAR(50),

PRIMARY KEY (OrderID),

FOREIGN KEY (CustomerID) REFERENCES Customers(CustomerID)

);

A screenshot of a computer

Description automatically generated with low confidence

* 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 (

RMAID int,

OrderID int,

Step VARCHAR(50),

Status VARCHAR(15),

Reason VARCHAR(15),

PRIMARY KEY (RMAID),

FOREIGN KEY (OrderID) REFERENCES Orders(OrderID)

);

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Description automatically generated with low confidence

1. Edit the provided SQL query to **create a view from the existing table** from “Customers” to “Collaborators” using SQL based on this change in requirements. Provide the updated SQL commands you completed and ran against MySQL to complete this successfully in your answer:

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

VALUES (1111, 'Bob', 'Smith', 'Main St.', 'Houston', 'TX', 770098, 2106797543),

(1112, 'Dean', 'Jones', 'H St.', 'San Antonio', 'TX', 77097, 2106973291),

(1113, 'Greg', 'Campbell', 'A St.', 'Pittsburgh', 'TX', 77059, 9653210588),

(1114, 'Tom', 'Skerrit', 'Cherry Blossom', 'Denver', 'MO', 41236, 5963214444),

(1115, 'Dean', 'Hobbs', '16th Ave.', 'Houston', 'TX', 77098, 8563254521),

(1116, 'Mike', 'Mixer', 'Street St.', 'Poppy', 'TX', 74326, 8536984521),

(1117, 'Phyllis', 'Planter', 'Avenue St.', 'Austin', 'TX', 74230, 8529631478),

(1118, 'Carol', 'Hobbs', 'Summer Breeze', 'San Antonio', 'TX', 96325, 1239854523),

(1119, 'Ed', 'Helms', 'Summer Breeze', 'San Antonio', 'TX', 96325, 1234567896),

(1120, 'Eddie', 'Crane', 'K BLVD', 'Galveston', 'TX', 78965, 2136943201)

;

CREATE VIEW Collaborators AS

SELECT

CustomerID AS CollaboratorID,

FirstName,

LastName,

Street,

City,

State,

ZipCode,

Telephone

FROM Customers;  
Graphical user interface, text

Description automatically generated with medium confidence