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-- The objective here is to implement SQL DML queries to manage records within the database tables defined in the relational schema.

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CREATE DATABASE FLEET_MANAGEMENT
-- making use of the database created
USE FLEET_MANAGEMENT
DROP TABLE Vehicle
CREATE TABLE Vehicle (
   LicensePlate VARCHAR(20) PRIMARY KEY,
   Make VARCHAR(50),
   Model VARCHAR(30),
   Year VARCHAR(50),
   Color VARCHAR(30),
   VIN VARCHAR(50),
);
-- Creating a table called 'Drivers Table'
drop table Drivers
CREATE TABLE Drivers (
   FirstName VARCHAR(20),
   LastName VARCHAR(50),
   LicenseNumber VARCHAR(30),
   Phone VARCHAR(50),
   Address VARCHAR(30),
   City VARCHAR(50),
```

```
State VARCHAR (50),
   zipcode VARCHAR(20),
);
-- Error on DriversID to DriversTable ID
 -- Creating a table called 'Trips Table'
 drop table Trips
CREATE TABLE Trips (
    VehicleID INT PRIMARY KEY,
    DriverID VARCHAR (30),
   Start_Date DATE,
    End_Date DATE,
    Start_location VARCHAR(150),
    End_location VARCHAR(150),
    Distance VARCHAR (30)
);
-- Creating Maintenance Table
CREATE TABLE Maintenance (
    VehicleID INT PRIMARY KEY,
    MaintenanceDate DATE,
    Description Varchar (150),
    Cost Decimal (10,2),
);
-- Insert records into the Vehicles table
Insert INTO Vehicle
Values('ABC123', 'Toyota', 'Corolla', '2020', 'White', '1HGCM82633A004352'),
```

```
-- Insert records into the Vehicle Drivers
Values('Michael', 'Smith', 'D1234567', '1234567890', '123 Main St', 'Anytown', 'CA', '12345'),
   ('Sarah', 'Connor', 'D7654321', '0987654321', '456 Elm St', 'Otherville', 'NY', '54321');
-- Insert records into the Vehicle Trips
   Insert INTO Trips
Values('1', '1', '2024-07-01', '2024-07-02', 'Los Angeles', 'San Francisco', '380'),
   ('2', '2', '2024-07-03', '2024-07-04', 'New York', 'Washington D.C.', '225');
--Insert records into the Vehicle Maintenance
Insert INTO Maintenance
Values('1', '2024-06-15', 'Oil change', '50.00'),
   ('2', '2024-06-20', 'Tire replacement', '300.00');
-- Update the cost of the second maintenance record to 350.00.
SELECT * FROM Maintenance
Update Maintenance
  set Cost = 350.00
  where VehicleID = 2
-- Delete the first vehicle from the Vehicles table.
SELECT * FROM Vehicle
delete from Vehicle
```

where LicensePlate = 'ABC123'

('XYZ789', 'Ford', 'Fusion', '2018', 'Blue', '2HGCM82633A004353');

```
--Insert one more record into the Trips table with the following details:
INSERT INTO TRIPS (VehicleID, DriverID, Start_Date, End_date, Start_Location, End_Location, distance)
              ('3', '1','2024-07-05', '2024-07-06', 'Boston', 'Philadelphia', '300');
 VALUES
    SELECT * FROM Trips
-- Update the color of the second vehicle in the Vehicles table to "Red".
-- Insert records into the Vehicles table
SELECT * from Vehicle
 update Vehicle
 set Color = 'Red'
 where color = 'blue'
 -- Insert a new maintenance record into the Maintenance table with the following details:
SELECT * FROM Maintenance
 UPDATE Maintenance
SET VehicleID = '1', MaintenanceDate = '2024-07-10', Description= 'Brake inspection', Cost = '100.00'
WHERE VehicleID = 1;
-- Update the phone number of the first driver in the Drivers table to "2223334444".
SELECT * FROM Drivers
 UPDATE Drivers
 SET Phone = '2223334444'
 WHERE Phone = '1234567890'
```

-- Delete the trip with TripID = 2 from the Trips table.

SELECT \* FROM Trips

**DELETE FROM Trips** 

WHERE VehicleID = 2;