**Car Rental Database Project**

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| **HONOR CODE** |
| I pledge, on my honor, to uphold UT Arlington's tradition of academic integrity, a tradition that values hard work and honest effort in the pursuit of academic excellence.  I promise that I will submit only work that I personally create or that I contribute to group collaborations, and I will appropriately reference any work from other sources. I will follow the highest standards of integrity and uphold the spirit of the Honor Code. |

Ask about action output response for Q1 and Q2…

**Task 1**

**Query 1:**

SQL Command:

-- create the Returned column in RENTAL table

ALTER TABLE RENTAL

ADD Returned integer;

-- update values in Returned column based on PaymentDate column

UPDATE RENTAL

SET Returned = CASE PaymentDate

WHEN 'NULL' THEN 0

ELSE 1

END;

Result Grid:

Before commands:

Graphical user interface

Description automatically generated

After ALTER command:

Graphical user interface

Description automatically generated with medium confidence

After UPDATE command

Graphical user interface

Description automatically generated

**Task 2**

‘create view’ command text:

-- create temporary view vRentalInfo

CREATE TEMP VIEW vRentalInfo (OrderDate, StartDate, ReturnDate, TotalDays, VIN, Vehicle, Type, Category, CustomerID, CustomerName, OrderAmount, RentalBalance)

AS

SELECT RENTAL.OrderDate, RENTAL.StartDate, RENTAL.ReturnDate,

CASE RENTAL.RentalType

WHEN 7 THEN 7 \* RENTAL.Qty

ELSE RENTAL.Qty

END,

RENTAL.VehicleID, VEHICLE.Description,

CASE VEHICLE.Type

WHEN 1 THEN "Compact"

WHEN 2 THEN "Medium"

WHEN 3 THEN "Large"

WHEN 4 THEN "SUV"

WHEN 5 THEN "Truck"

WHEN 6 THEN "VAN"

END,

CASE VEHICLE.CATEGORY

WHEN 0 THEN "Basic"

WHEN 1 THEN "Luxury"

END,

CUSTOMER.CustID, CUSTOMER.Name, RENTAL.TotalAmount,

CASE RENTAL.Returned

WHEN 0 THEN RENTAL.TotalAmount

ELSE 0

END

FROM CUSTOMER NATURAL JOIN RENTAL NATURAL JOIN VEHICLE

ORDER BY RENTAL.StartDate;

‘select view’ command text and result grid:

SELECT count(\*) FROM vRentalInfo;

SELECT \* FROM vRentalInfo;

A picture containing graphical user interface

Description automatically generated

Action output response:

????

23 rows returned