use Commercial\_Project

-- Add the following column: In the Calendar table, add a column named 'Weekend' Equals "Y" for Saturdays or Sundays (otherwise "N")

select \* from Calendar

ALTER TABLE Calendar

ADD Weekend CHAR(1)

UPDATE Calendar

SET Weekend = (SELECT CASE WHEN Name\_Of\_day IN ('Saturday', 'Sunday') THEN 'Y'

ELSE 'N'

END AS Weekend)

-- In the Calendar table, add a column named "End of Month" Returns the last date of the current month for each row

ALTER TABLE Calendar

ADD End\_Of\_Month Date

UPDATE Calendar

SET End\_Of\_Month = EOMONTH(Date)

A screenshot of a computer

Description automatically generated

-- In the Customers table, add a column named 'Current Age' Calculates current customer ages using the 'birthdate' column and the GETDATE() function

select \* from Customers

ALTER TABLE Customers

ADD Current\_Age INTEGER

UPDATE Customers

SET Current\_Age = DATEDIFF(Year, birthdate, GETDATE())

A screenshot of a data

Description automatically generated

-- In the Customers table, add a column named 'Priority' Equals 'High' for customers who own homes

-- and have Golden membership cards (otherwise 'Standard')

select \* from Customers

ALTER TABLE Customers

ADD Priority VARCHAR(50)

UPDATE Customers

SET Priority = (SELECT

CASE WHEN member\_card = 'Golden' AND homeowner = 'Y' THEN 'High'

ELSE 'Standard'

END AS Priority)

A screenshot of a table

Description automatically generated

-- In the Customers table, add a column named 'Short\_Country' Returns the first three characters of the customer country, and converts to all uppercase

select \* from Customers

ALTER TABLE Customers

ADD short\_country VARCHAR(50)

UPDATE Customers

SET short\_country = UPPER(SUBSTRING(customer\_country, 1, 3))

-- OR I could have used the UPPER LEFT functions too

UPDATE Customers

SET short\_country = UPPER(LEFT(customer\_country, 3))

-- In the Customers table, add a column named 'House Number' Extracts all characters/numbers before the first space in the 'customer\_address' column

select \* from Customers

ALTER TABLE Customers

ADD house\_number VARCHAR(50)

-- As in this T-Transact version there is not the more versatile built-in function SRING\_SPLIT I am forced to use SUBSTRING once again

UPDATE Customers

SET house\_number = SUBSTRING(CUSTOMER\_ADDRESS, 1, 4)

A screenshot of a cell phone

Description automatically generated

-- In the Products table, add a column named "Price\_Tier" Equals "High" if the retail price is >$3, ----- "Mid" if the retail price is >$1, and "Low" otherwise

select \* from Products

ALTER TABLE Products

ADD price\_tier VARCHAR(50)

UPDATE Products

SET price\_tier = (SELECT

CASE WHEN product\_retail\_price > 3 THEN 'High'

WHEN product\_retail\_price > 1 THEN 'Mid'

ELSE 'Low'

END AS price\_tier)

A screenshot of a computer

Description automatically generated

-- In the Stores table, add a column named "Years\_Since\_Remodel" Calculates the number of years between the current date GETDATE() and the last remodel date

select \* from Stores

ALTER TABLE Stores

ADD years\_since\_remodel INT

UPDATE Stores

SET years\_since\_remodel = DATEDIFF(YEAR, last\_remodel\_date, GETDATE())

