

-- SQL Query to create and import data from csv files:

-- 0. Create a database

```
CREATE DATABASE ccdb;
```

-- 1. Create cc_detail table

```
CREATE TABLE cc_detail (  
    Client_Num INT,  
    Card_Category VARCHAR(20),  
    Annual_Fees INT,  
    Activation_30_Days INT,  
    Customer_Acq_Cost INT,  
    Week_Start_Date DATE,  
    Week_Num VARCHAR(20),  
    Qtr VARCHAR(10),  
    current_year INT,  
    Credit_Limit DECIMAL(10,2),  
    Total_Revolving_Bal INT,  
    Total_Trans_Amt INT,  
    Total_Trans_Ct INT,  
    Avg_Utilization_Ratio DECIMAL(10,3),  
    Use_Chip VARCHAR(10),  
    Exp_Type VARCHAR(50),  
    Interest_Earned DECIMAL(10,3),  
    Delinquent_Acc VARCHAR(5)  
);
```

-- 2. Create cc_detail table

```
CREATE TABLE cust_detail (  
    Client_Num INT,  
    Customer_Age INT,  
    Gender VARCHAR(5),  
    Dependent_Count INT,  
    Education_Level VARCHAR(50),  
    Marital_Status VARCHAR(20),  
    State_cd VARCHAR(50),  
    Zipcode VARCHAR(20),  
    Car_Owner VARCHAR(5),  
    House_Owner VARCHAR(5),  
    Personal_Loan VARCHAR(5),  
    Contact VARCHAR(50),  
    Customer_Job VARCHAR(50),  
    Income INT,  
    Cust_Satisfaction_Score INT  
);
```

-- 3. Copy csv data into SQL (remember to update the file name and file location in below query)

-- copy cc_detail table

```
COPY cc_detail  
FROM 'D:\credit_card.csv'  
DELIMITER ';'   
CSV HEADER;
```

-- copy cust_detail table

```
COPY cust_detail
FROM 'D:\customer.csv'
DELIMITER ';'
CSV HEADER;
```

-- If you are getting below error, then use the below point:

-- ERROR: date/time field value out of range: "0"

-- HINT: Perhaps you need a different "datestyle" setting.

-- Check the Data in Your CSV File: Ensure date column values are formatted correctly and are in a valid format that PostgreSQL can recognize (e.g., YYYY-MM-DD). And correct any incorrect or missing date values in the CSV file.

-- or

-- Update the Datestyle Setting: Set the datestyle explicitly for your session using the following command:

```
SET datestyle TO 'ISO, DMY';
```

-- Now, try to COPY the csv files!

-- 4. Insert additional data into SQL, using same COPY function

-- copy additional data (week-53) in cc_detail table

```
COPY cc_detail
FROM 'D:\cc_add.csv'
DELIMITER ';'
CSV HEADER;
```

-- copy additional data (week-53) in cust_detail table (remember to update the file name and file location in below query)

COPY cust_detail

FROM 'D:\cust_add.csv'

DELIMITER ','

CSV HEADER;