

Table Creation Telecom

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CREATE TABLE Staging (  
    Customer_ID VARCHAR(50),  
    Gender VARCHAR(10),  
    Age INT,  
    Married VARCHAR(10),  
    Number_of_Dependents INT,  
    City VARCHAR(50),  
    Zip_Code VARCHAR(10),  
    Latitude DECIMAL(10, 6),  
    Longitude DECIMAL(10, 6),  
    Number_of_Referrals INT,  
    Tenure_in_Months INT,  
    Offer VARCHAR(50),  
    Phone_Service VARCHAR(10),  
    Avg_Monthly_Long_Distance_Charges DECIMAL(10, 2),  
    Multiple_Lines VARCHAR(10),  
    Internet_Service VARCHAR(10),  
    Internet_Type VARCHAR(20),  
    Avg_Monthly_GB_Download DECIMAL(10, 2),  
    Online_Security VARCHAR(10),  
    Online_Backup VARCHAR(10),  
    Device_Protection_Plan VARCHAR(10),  
    Premium_Tech_Support VARCHAR(10),  
    Streaming_TV VARCHAR(10),  
    Streaming_Movies VARCHAR(10),  
    Streaming_Music VARCHAR(10),  
    Unlimited_Data VARCHAR(10),  
    Contract VARCHAR(20),  
    Paperless_Billing VARCHAR(10),  
    Payment_Method VARCHAR(20),  
    Monthly_Charge DECIMAL(10, 2),  
    Total_Charges DECIMAL(10, 2),  
    Total_Refunds DECIMAL(10, 2),  
    Total_Extra_Data_Charges DECIMAL(10, 2),  
    Total_Long_Distance_Charges DECIMAL(10, 2),  
    Total_Revenue DECIMAL(10, 2),  
    Customer_Status VARCHAR(20),  
    Churn_Category VARCHAR(20),  
    Churn_Reason VARCHAR(100) );
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```
CREATE TABLE Customer (  
    Customer_ID VARCHAR(50) PRIMARY KEY,
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Gender VARCHAR(10),
Age INT,
Married VARCHAR(10),
Number_of_Dependents INT,
City VARCHAR(50),
Zip_Code VARCHAR(10),
Latitude DECIMAL(10, 6),
Longitude DECIMAL(10, 6),
Number_of_Referrals INT
);
```

```
INSERT INTO Customer (Customer_ID, Gender, Age, Married, Number_of_Dependents, City, Zip_Code, Latitude,
Longitude, Number_of_Referrals)
SELECT customer_id, gender, age, married, number_of_dependents, city, zip_code, latitude, longitude,
number_of_referrals
FROM staging;
```

```
CREATE TABLE Service (
    Service_ID INT AUTO_INCREMENT PRIMARY KEY,
    Customer_ID VARCHAR(50),
    Phone_Service VARCHAR(10),
    Internet_Service VARCHAR(10),
    Internet_Type VARCHAR(20),
    Multiple_Lines VARCHAR(10),
    Online_Security VARCHAR(10),
    Online_Backup VARCHAR(10),
    Device_Protection_Plan VARCHAR(10),
    Premium_Tech_Support VARCHAR(10),
    Streaming_TV VARCHAR(10),
    Streaming_Movies VARCHAR(10),
    Streaming_Music VARCHAR(10),
    Unlimited_Data VARCHAR(10),
    FOREIGN KEY (Customer_ID) REFERENCES Customer(Customer_ID)
);
```

```
INSERT INTO Service (Customer_ID, Phone_Service, Internet_Service, Internet_Type, Multiple_Lines,
Online_Security, Online_Backup, Device_Protection_Plan, Premium_Tech_Support, Streaming_TV,
Streaming_Movies, Streaming_Music, Unlimited_Data)
SELECT Customer_ID, Phone_Service, Internet_Service, Internet_Type, Multiple_Lines, Online_Security,
Online_Backup, Device_Protection_Plan, Premium_Tech_Support, Streaming_TV, Streaming_Movies,
Streaming_Music, Unlimited_Data
FROM staging;
```

```
CREATE TABLE Contract (
    Contract_ID INT AUTO_INCREMENT PRIMARY KEY,
    Customer_ID VARCHAR(50),
    Tenure_in_Months INT,
    Offer VARCHAR(50),
    Contract VARCHAR(20),
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    Paperless_Billing VARCHAR(10),
    Payment_Method VARCHAR(20),
    FOREIGN KEY (Customer_ID) REFERENCES Customer(Customer_ID)
);
INSERT INTO Contract (Customer_ID, Tenure_in_Months, Offer, Contract, Paperless_Billing, Payment_Method)
SELECT Customer_ID, Tenure_in_Months, Offer, Contract, Paperless_Billing, Payment_Method
FROM staging;

CREATE TABLE Charges (
    Charge_ID INT AUTO_INCREMENT PRIMARY KEY,
    Customer_ID VARCHAR(50),
    Avg_Monthly_Long_Distance_Charges DECIMAL(10, 2),
    Avg_Monthly_GB_Download DECIMAL(10, 2),
    Monthly_Charge DECIMAL(10, 2),
    Total_Charges DECIMAL(10, 2),
    Total_Refunds DECIMAL(10, 2),
    Total_Extra_Data_Charges DECIMAL(10, 2),
    Total_Long_Distance_Charges DECIMAL(10, 2),
    Total_Revenue DECIMAL(10, 2),
    FOREIGN KEY (Customer_ID) REFERENCES Customer(Customer_ID)
);
INSERT INTO Charges(Customer_ID, Avg_Monthly_Long_Distance_Charges, Avg_Monthly_GB_Download,
Monthly_Charge, Total_Charges, Total_Refunds, Total_Extra_Data_Charges, Total_Long_Distance_Charges,
Total_Revenue)
SELECT Customer_ID, Avg_Monthly_Long_Distance_Charges, Avg_Monthly_GB_Download, Monthly_Charge,
Total_Charges, Total_Refunds, Total_Extra_Data_Charges, Total_Long_Distance_Charges, Total_Revenue
FROM staging;

CREATE TABLE CustomerStatus (
    CustomerStatus_ID INT AUTO_INCREMENT PRIMARY KEY,
    Customer_ID VARCHAR(50),
    Customer_Status VARCHAR(20),
    Churn_Category VARCHAR(20),
    Churn_Reason VARCHAR(100),
    FOREIGN KEY (Customer_ID) REFERENCES Customer(Customer_ID)
);

INSERT INTO CustomerStatus (Customer_ID, Customer_Status, Churn_Category, Churn_Reason)
SELECT Customer_ID, Customer_Status, Churn_Category, Churn_Reason
FROM staging;

```