Car

- CarID

- Manufacturer Name

- Model Name

- Serial Number

- Weight

- Car Price

CREATE TABLE car (

car\_id serial PRIMARY KEY,

manufacturer\_name varchar(50),

serial\_num numeric,

weight int,

price numeric(6, 0)

FOREIGN KEY (price) REFERENCES transaction(car\_price),

FOREIGN KEY (car\_id) REFERENCES trajsaction(car\_id)

);

Salesperson

- SalespersonID

- Name

CREATE TABLE saleperson(

saleperson\_id serial PRIMARY KEY,

name varchar(50)

);

Transaction

- TransactionID

- Car Price

- Transaction Month

- Customer Name

- Customer Phone

- CarID

- Manufacturer Name

CREATE EXTENSION pgcrypto;

SELECT gen\_random\_uuid();

CREATE TABLE transaction(

transaction\_id UUID PRIMARY KEY DEFAULT gen\_random\_uuid(),

car\_price numeric(6, 0),

transaction\_month int,

customer\_name varchar(50),

customer\_phone numeric(8, 0),

car\_id serial,

manufacturer\_name varchar(50),

FOREIGN KEY (car\_price)REFERENCES car(price),

FOREIGN KEY (customer\_name) REFERENCES customer(customer\_name),

FOREIGN KEY (customer\_phone) REFERENCES customer(customer\_phone),

FOREIGN KEY (car\_id) REFERENCES customer(car\_id)

);

Customer

- CustomerID

- Customer Name

- Customer Spending

CREATE TABLE customer(

customer\_id serial PRIMARY KEY,

customer\_name varchar(50),

spending numeric(6, 0),

customer\_phone numeric(8, 0),

FOREIGN KEY (customer\_name) REFERENCES transaction(customer\_name),

FOREIGN KEY (customer\_phone) REFERENCES transaction(customer\_phone)

);

Select \* From cardealershipdb.customer Order By spending DESC

List of customers with spending

Select COUNT(CarID) AS Number of cars sold,

From cardealershipdb.transaction

Group By Manufacturer Name

Order By COUNT(CarID) DESC

Top 3 car manufacturers by number of cars sold and sales number in current month