CREATE TABLE Fuel\_Table (

fuel\_type char(1),

Fuel\_desc varchar(25),

Primary key(fuel\_type);

);

CREATE TABLE Car\_body (

body\_type char(1) PRIMARY KEY,

body\_desc varchar(20)

);

CREATE TABLE SP\_Table (

sp\_id varchar(20) PRIMARY KEY,

sp\_name varchar(100)

);

CREATE TABLE location (

latitude float,

longitude float,

city varchar(50),

state\_id varchar(4),

state\_name varchar(70),

population bigint,

density float,

county\_fips bigint,

county\_name varchar(70),

zip bigint

PRIMARY KEY(latitude, longitude)

);

CREATE TABLE IF NOT EXISTS `CAR\_SALE\_DETAILS` (

vin CHAR(17) PRIMARY KEY,

back\_legroom VARCHAR(12),

body\_type CHAR(1) ,

cabin float,

city VARCHAR(30),

city\_fuel\_economy FLOAT,

daysonmarket INT,

dealer\_zip INT,

engine\_displacement FLOAT,

engine\_type INT,

exterior\_color VARCHAR(30),

fleet BOOL,

frame\_damaged BOOL,

franchise\_dealer bool,

franchise\_make VARCHAR(20),

front\_legroom TEXT ,

fuel\_tank\_volume FLOAT,

fuel\_type CHAR(1),

has\_accidents BOOL,

height TEXT ,

highway\_fuel\_economy FLOAT,

horsepower FLOAT,

interior\_color VARCHAR(20),

isCab BOOL,

is\_certified BOOL,

is\_cpo TEXT ,

is\_new BOOL,

is\_oemcpo TEXT ,

latitude FLOAT,

length TEXT ,

listed\_date DATE,

listing\_color VARCHAR(20),

listing\_id VARCHAR(20),

longitude FLOAT,

make\_name VARCHAR(20),

maximum\_seating INT,

mileage INT,

model\_name VARCHAR(50),

owner\_count INT,

price FLOAT,

salvage BOOL,

savings\_amount FLOAT,

seller\_rating FLOAT,

sp\_id VARCHAR(10),

theft\_title BOOL,

transmission CHAR(1),

transmission\_display VARCHAR(30),

trimId VARCHAR(10),

trim\_name VARCHAR(10),

vehicle\_damage\_category INT,

wheel\_system CHAR(3),

wheelbase TEXT,

width TEXT,

year int

);

update CAR\_SALE\_DETAILS

set body\_type = case when body\_type = 'Wagon' then 'W'

when body\_type = 'Van' then 'V'

when body\_type = 'SUV / Crossover' then 'S'

when body\_type = 'Sedan' then 'D'

when body\_type = 'Pickup Truck' then 'T'

when body\_type = 'Minivan' then 'M'

when body\_type = 'Hatchback' then 'H'

when body\_type = 'Coupe' then 'C'

when body\_type = 'Convertible' then 'O' else '' end ;

Create table Listing\_color (

Lcolor\_code char(2) PRIMARY KEY,

Lcolor\_desc varchar(40)

);

Create table Exterior\_color (

Ecolor\_code char(2) PRIMARY KEY,

Ecolor\_desc varchar(40)

);

Create table Interior\_color (

Icolor\_code char(2) PRIMARY KEY,

Icolor\_desc varchar(40)

);

Create table Trim (

Trim\_id char(6) PRIMARY KEY,

Trim\_desc varchar(40)

);

------------------------------- NEW ------------------------------

create database USEDCARS;

use usedcars;

drop table CAR\_SALE\_DETAILS;

CREATE TABLE IF NOT EXISTS `CAR\_SALE\_DETAILS` (

vin VARCHAR(20) PRIMARY KEY,

back\_legroom VARCHAR(12),

body\_type CHAR(1) ,

city VARCHAR(30),

daysonmarket INT,

dealer\_zip bigINT,

engine\_type char(3),

exterior\_color varchar(200),

fleet varchar(5),

frame\_damaged varchar(5),

franchise\_dealer BOOL,

franchise\_make VARCHAR(20),

front\_legroom float ,

fuel\_tank\_volume FLOAT,

fuel\_type CHAR(1),

has\_accidents varchar(5),

height float ,

highway\_fuel\_economy FLOAT,

horsepower FLOAT,

interior\_color CHAR(2),

isCab varchar(5),

is\_certified BOOL,

is\_cpo varchar(5) ,

is\_new BOOL,

is\_oemcpo varchar(5) ,

latitude FLOAT,

listed\_date DATE,

listing\_color char(2),

listing\_id VARCHAR(20),

longitude FLOAT,

make\_name VARCHAR(20),

maximum\_seating BIGINT,

mileage BIGINT default null,

model\_name VARCHAR(50),

owner\_count INT,

price FLOAT,

salvage varchar(5),

savings\_amount FLOAT default NULL,

seller\_rating FLOAT,

sp\_id CHAR(10),

theft\_title varchar(5),

transmission CHAR(1),

transmission\_display VARCHAR(100),

trimId VARCHAR(10),

vehicle\_damage\_category INT,

wheel\_system CHAR(3),

wheelbase float,

width float,

year int,

CONSTRAINT car\_listing\_key1 FOREIGN KEY (listing\_color) REFERENCES Listing\_color (Lcolor\_code),

CONSTRAINT car\_interior\_key1 FOREIGN KEY (interior\_color) REFERENCES Interior\_color (Icolor\_code),

CONSTRAINT car\_trimId\_key1 FOREIGN KEY (trimId) REFERENCES Trim\_table (Trim\_id),

CONSTRAINT car\_fuel\_key1 FOREIGN KEY (fuel\_type) REFERENCES Fuel\_Table (fuel\_type),

CONSTRAINT car\_body\_key1 FOREIGN KEY (body\_type) REFERENCES Car\_body (body\_type),

CONSTRAINT car\_sp\_key1 FOREIGN KEY (sp\_id) REFERENCES SP\_Table (sp\_id),

CONSTRAINT car\_location\_key1 FOREIGN KEY (city, dealer\_zip) REFERENCES location (city, zip)

);

Create table Listing\_color (

Lcolor\_code char(2) PRIMARY KEY,

Lcolor\_desc varchar(40)

);

Create table Exterior\_color (

Ecolor\_code char(2) PRIMARY KEY,

Ecolor\_desc varchar(40)

);

Create table Interior\_color (

Icolor\_code char(2) PRIMARY KEY,

Icolor\_desc varchar(40)

);

Create table Trim\_table (

Trim\_id char(6) PRIMARY KEY,

Trim\_desc varchar(40)

);

CREATE TABLE Fuel\_Table (

fuel\_type char(1) Primary key,

Fuel\_desc varchar(25)

);

CREATE TABLE Car\_body (

body\_type char(1) PRIMARY KEY,

body\_desc varchar(20)

);

CREATE TABLE SP\_Table (

sp\_id char(20) PRIMARY KEY,

sp\_name varchar(100)

);

CREATE TABLE location (

latitude float,

longitude float,

city varchar(50),

state\_id varchar(4),

state\_name varchar(70),

population bigint,

density float,

county\_fips bigint,

county\_name varchar(70),

zip bigint,

PRIMARY KEY(latitude, longitude)

);

