CREATE DATABASE if not exists Garage;

use Garage;

CREATE TABLE if not exists GARAGE

(

GName VARCHAR(30) NOT NULL,

Address VARCHAR(50) NOT NULL,

Default\_Price DECIMAL(10,2) NOT NULL,

Max\_Space SMALLINT NOT NULL,

PRIMARY KEY (GName)

);

CREATE TABLE if not exists GARAGE\_DATEINFO

(

GName VARCHAR(30) NOT NULL,

Date DATE NOT NULL,

Price DECIMAL(10,2) NOT NULL,

Revenue DECIMAL(10,2) NOT NULL,

TotalSpace SMALLINT NOT NULL,

AvlSpace SMALLINT NOT NULL CHECK (AvlSpace >= 0),

PRIMARY KEY (GName,Date),

FOREIGN KEY (GName) REFERENCES GARAGE(GName)

);

CREATE TABLE if not exists RESERVATION

(

GName VARCHAR(30) NOT NULL,

Date DATE NOT NULL,

FeeCharged DECIMAL(10,2) NOT NULL,

Status VARCHAR(10) NOT NULL,

PhoneNum CHAR(10) NOT NULL,

PRIMARY KEY (PhoneNum, GName,Date),

FOREIGN KEY (GName) REFERENCES GARAGE(GName)

);

insert into garage values ("Columbus Commons","55 E. Rich St.", 9.75, 125);

insert into garage values ("Vine Street","45 Vine St.",12.50,100);

insert into garage values ("City of Columbus","141 N. Front St.",10.50,200);

insert into garage\_dateinfo values ("Columbus Commons","2023-04-22", 15.00, 0,2,2);

insert into garage\_dateinfo values ("Vine Street","2023-04-21", 13.00, 0,50,50);

insert into garage\_dateinfo values ("City of Columbus","2023-04-23", 12.50, 0,100,100);