CREATE DATABASE exercicio\_sql;

USE exercicio\_sql;

CREATE TABLE IF NOT EXISTS cliente (

cpf INT NOT NULL PRIMARY KEY,

nome VARCHAR(60),

dtNasc DATE

);

CREATE TABLE IF NOT EXISTS modelo (

codMod INT NOT NULL PRIMARY KEY AUTO\_INCREMENT,

descMod VARCHAR(50)

);

CREATE TABLE IF NOT EXISTS patio (

numPatio INT NOT NULL PRIMARY KEY AUTO\_INCREMENT,

ender VARCHAR(50),

capacidade INT

);

CREATE TABLE IF NOT EXISTS veiculo (

placa VARCHAR(50) NOT NULL,

cor VARCHAR(20),

ano INT(4),

modelo\_codMod INT NOT NULL,

cliente\_cpf INT NOT NULL,

PRIMARY KEY (modelo\_codMod , cliente\_cpf),

FOREIGN KEY (modelo\_codMod)

REFERENCES modelo (codMod),

FOREIGN KEY (cliente\_cpf)

REFERENCES cliente (cpf)

);

CREATE TABLE IF NOT EXISTS estacionamento (

codEst INT NOT NULL PRIMARY KEY AUTO\_INCREMENT,

patio\_numPatio INT NOT NULL,

veiculo\_placa VARCHAR(8) NOT NULL,

dtEntrada DATE,

dtSaida DATE,

hsEntrada TIME,

hsSida TIME

);

insert into cliente values

(20052077,"Alberto","2000-02-10"),

(20102049,"Umberto","2000-02-10"),

(20153000,"Dagoberto","2000-02-10");

insert into modelo values

(0,"Santana"),

(0,"Fuscão"),

(0,"Opala");

insert into patio values

(0,"Avaré",30),

(0,"Itai",15),

(0,"São Paulo",100);

insert into veiculo values

("CUB-6969","Azul",2000,1,20052077),

("JEG-1010","Verde",2005,1,20102049),

("JJJ-2020","Azul",2000,2,20153000);

insert into estacionamento values

(0,1,"CUB-6969","2024-02-02","2024-02-03","01:30:30","01:30:30"),

(0,2,"JJJ-2020","2024-02-02","2024-02-03","01:30:30","01:30:30"),

(0,3,"JEG-1010","2024-02-02","2024-02-03","01:30:30","01:30:30");

select c.nome, v.placa from cliente c inner join veiculo v

on c.cpf = v.cliente\_cpf;

select c.nome, c.cpf, v.placa from cliente c inner join veiculo v

on c.cpf = v.cliente\_cpf

where v.placa = 'JJJ-2020';

select v.placa, v.cor from veiculo v inner join estacionamento es

where es.codEst = '1';

select v.placa, v.ano from veiculo v inner join estacionamento es

where es.codEst = '1';

select v.placa, v.ano, m.descMod from Modelo m inner join veiculo v

on v.modelo\_codMod = m.codMod

where v.ano > '2000';

select p.ender, es.dtEntrada, es.dtSaida, v.placa from patio p inner join estacionamento es

on es.patio\_numPatio = p.numPatio inner join veiculo v

on v.placa = es. veiculo\_placa

where v.placa = 'JEG-1010';

select c.nome, v.modelo\_codMod from cliente c inner join veiculo v

on c.cpf = v.cliente\_cpf

where v.modelo\_codMod = '1';

select es.veiculo\_placa, es.hsEntrada, es.hsSida, v.cor from estacionamento es inner join veiculo v

where v.cor = 'verde';

select es.codEst, v.placa from veiculo v inner join estacionamento es

on v.placa = es.veiculo\_placa

where v.placa = 'JJJ-2020';

select c.nome, es.codEst from cliente c inner join estacionamento es

where es.codEst = '2';

select c.cpf, es.codEst from cliente c inner join estacionamento es

where es.codEst = '3';

select m.descMod, es.codEst from modelo m inner join estacionamento es

where es.codEst = '2';

select v.placa, c.nome, m.descMod from modelo m left outer join veiculo v

on v.Modelo\_codMod = m.codMod

left outer join cliente c

on c.cpf = v.cliente\_cpf;

show table status ;