create database SmartParking;

use SmartParking;

create table telefone (

id\_telefone int primary key auto\_increment,

tipo\_telefone varchar (45),

telefone varchar(45)

)auto\_increment=100;

insert into telefone values

(null, "Celular", "(11)91010-1010"),

(null, "Celular", "(11)92020-2020"),

(null, "Residencial", "(11)3030-3030"),

(null, "Residencial", "(11)4040-4040"),

(null, "Celular", "(11)95050-5050"),

(null, "Celular", "(11)96060-6060"),

(null, "Residencial", "(11)7070-7070"),

(null, "Residencial", "(11)8080-8080"),

(null, "Celular", "(11)99090-9090"),

(null, "Celular", "(11)91111-1111");

select \* from telefone;

create table endereco(

id\_endereco int primary key auto\_increment,

estado\_endereco varchar(45),

cep\_endereco varchar (45),

rua\_endereco varchar (45),

numero\_endereco varchar (45)

)auto\_increment=200;

insert into endereco values

(null, "São Paulo", "08030-500", "Rua das Aventuras", "1000"),

(null, "São Paulo", "09040-600", "Rua das Meninas", "2000"),

(null, "São Paulo", "00050-700", "Rua dos Incríveis", "3000"),

(null, "São Paulo", "01060-800", "Rua dos Dinheiros", "4000"),

(null, "São Paulo", "02070-900", "Rua das Sogras", "5000"),

(null, "São Paulo", "03080-000", "Rua das Avós", "6000"),

(null, "São Paulo", "04090-100", "Rua dos Jogadores", "7000"),

(null, "São Paulo", "05000-200", "Rua dos Salgados", "8000"),

(null, "São Paulo", "06010-300", "Rua da Chuva", "9000"),

(null, "São Paulo", "07020-400", "Rua do Amor", "10000");

select \* from endereco;

create table estacionamento(

id\_estacio int primary key auto\_increment,

nome\_estacio varchar(45),

qt\_vagas int,

email\_estacio varchar(45),

fk\_telefone\_estacio int,

foreign key (fk\_telefone\_estacio) references telefone(id\_telefone),

fk\_endereco\_estacio int,

foreign key (fk\_endereco\_estacio) references endereco(id\_endereco)

)auto\_increment=300;

insert into estacionamento values

(null, "Estacionamento Pare Bem", 300, "estacionamento.parebem@gmail.com", 100, 200),

(null, "Estacionamento da Amanda", 500, "estacionamento.amanda@gmail.com", 101, 201),

(null, "Estacionamento da Lisandra", 800, "estacionamento.lisandra@gmail.com", 102, 202),

(null, "Estacionamento Pare Aqui", 400, "estacionamento.pareaqui@gmail.com", 103, 203),

(null, "Estacionamento Estacione Aqui", 300, "estacionamento.estacioneaqui@gmail.com", 104, 204),

(null, "Estacionamento Rainha do Deserto", 500, "estacionamento.deserto@gmail.com", 105, 205),

(null, "Estacionamento Up", 600, "estacionamento.up@gmail.com", 106, 206),

(null, "Estacionamento Gigante", 800, "estacionamento.gigante@gmail.com", 107, 207),

(null, "Estacionamento do Ex", 900, "estacionamento.ex@gmail.com", 108, 208),

(null, "Estacionamento do Luiz", 400, "estacionamento.luiz@gmail.com", 109, 209);

select \* from estacionamento;

create table usuario (

id\_usuario int primary key auto\_increment,

nome\_usuario varchar(45),

email\_usuario varchar(45),

senha\_usuario varchar(45),

fk\_telefone\_usuario int,

foreign key (fk\_telefone\_usuario) references telefone (id\_telefone)

);

insert into usuario values

(null, "Carlos Alberto Torres", "carlos.torres@gmail.com", "1234567", 100),

(null, "Amanda Rocha Viagem", "amanda.viagem@outlook.com", "geracaofutura", 101),

(null, "Lisandra Lopes Pedra", "lisandra.pedra@hotmail.com", "excelsior", 102),

(null, "Gerson de Oliveira Nunes", "gerson.nunes@gmail.com", "canhotadeouro", 103),

(null, "Marta Vieira da Silva", "marta.silva@gmail.com", "melhordomundo", 104),

(null, "Miraildes Maciel Mota", "miraildes.mota@hotmail.com", "formiga", 105),

(null, "Romário de Souza Faria", "romario.faria@outlook.com", "baixinho11", 106),

(null, "Sebastião Rodrigues Maia", "tião.maia@gmail.com", "azuldacordomar", 107),

(null, "Ayrton Senna da Silva", "ayrton.silva@gmail.com", "mclaren", 108),

(null, "Arthur Antunes Coimbra", "arthur.coimbra@gmail.com", "galinho10", 109);

select \* from usuario;

create table estacionamento\_usuario(

fk\_id\_estacio int,

foreign key (fk\_id\_estacio) references estacionamento(id\_estacio),

fk\_id\_usuario int,

foreign key (fk\_id\_usuario) references usuario(id\_usuario)

);

insert into estacionamento\_usuario values

(300, 1),

(301, 2),

(302, 3),

(303, 4),

(304, 5),

(305, 6),

(306, 7),

(307, 8),

(308, 9),

(309, 10);

select \* from estacionamento\_usuario;

create table endereco\_usuario(

fk\_id\_endereco int,

foreign key (fk\_id\_endereco) references endereco(id\_endereco),

fk\_id\_usuario int,

foreign key (fk\_id\_usuario) references usuario(id\_usuario)

);

insert into endereco\_usuario values

(200, 1),

(201, 2),

(202, 3),

(203, 4),

(204, 5),

(205, 6),

(206, 7),

(207, 8),

(208, 9),

(209, 10);

create table sensor(

id\_sensor int primary key auto\_increment,

numero\_da\_vaga varchar(45),

fk\_id\_estacio int,

foreign key (fk\_id\_estacio) references estacionamento(id\_estacio)

) auto\_increment = 400;

insert into sensor values

(null, "1", 300),

(null, "2", 300),

(null, "3", 300),

(null, "4", 300),

(null, "5", 300);

insert into sensor values

(null, "1", 301),

(null, "2", 301),

(null, "3", 301);

insert into sensor values

(null, "1", 302),

(null, "2", 302),

(null, "3", 302),

(null, "4", 302);

insert into sensor values

(null, "1", 303),

(null, "2", 303),

(null, "3", 303),

(null, "4", 303),

(null, "5", 303),

(null, "6", 303);

insert into sensor values

(null, "1", 304),

(null, "2", 304),

(null, "3", 304),

(null, "4", 304),

(null, "5", 304);

insert into sensor values

(null, "1", 305),

(null, "2", 305),

(null, "3", 305);

insert into sensor values

(null, "1", 306),

(null, "2", 306),

(null, "3", 306),

(null, "4", 306);

insert into sensor values

(null, "1", 307),

(null, "2", 307),

(null, "3", 307),

(null, "4", 307),

(null, "5", 307);

insert into sensor values

(null, "1", 308),

(null, "2", 308),

(null, "3", 308);

insert into sensor values

(null, "1", 309),

(null, "2", 309),

(null, "3", 309),

(null, "4", 309),

(null, "5", 309);

select \* from sensor;

create table evento(

id\_evento int primary key auto\_increment,

data\_hora\_evento datetime,

status\_evento enum('Entrada','Saída'),

fk\_id\_sensor int,

foreign key (fk\_id\_sensor) references sensor (id\_sensor)

)auto\_increment = 500;

insert into evento values

(null, "2019-11-18 22:32:00", "Entrada", 400),

(null, "2019-11-18 22:45:00", "Saída", 400);

insert into evento values

(null, "2019-11-17 12:32:00", "Entrada", 401),

(null, "2019-11-18 13:12:00", "Saída", 401);

insert into evento values

(null, "2019-11-17 10:58:00", "Entrada", 402),

(null, "2019-11-17 12:06:00", "Saída", 402);

insert into evento values

(null, "2019-11-14 08:12:00", "Entrada", 403),

(null, "2019-11-14 17:34:00", "Saída", 403);

insert into evento values

(null, "2019-11-13 12:32:00", "Entrada", 404),

(null, "2019-11-13 13:05:00", "Saída", 404);

insert into evento values

(null, "2019-11-18 16:12:00", "Entrada", 405),

(null, "2019-11-18 18:32:00", "Saída", 405);

insert into evento values

(null, "2019-11-18 17:57:00", "Entrada", 406),

(null, "2019-11-18 21:56:00", "Saída", 406);

insert into evento values

(null, "2019-11-17 15:48:00", "Entrada", 407),

(null, "2019-11-17 20:10:00", "Saída", 407);

insert into evento values

(null, "2019-11-18 07:52:00", "Entrada", 408),

(null, "2019-11-18 21:48:00", "Saída", 408);

insert into evento values

(null, "2019-11-18 07:32:00", "Entrada", 409),

(null, "2019-11-18 21:45:00", "Saída", 409);

select \* from evento;