

VITOR AVELAR MARTINS

18000382

Atividade - 08/10/2018

```
create database aula09102018;
```

```
use aula09102018;
```

```
create table cliente (cpf VARCHAR(14) primary key, nome VARCHAR(45), data_nascimento DATE);
```

```
create table patio (id INT primary key, endereco VARCHAR(45), capacidade INT);
```

```
create table modelo (id INT primary key, descricao VARCHAR(45));
```

```
create table veiculo (placa VARCHAR(8) primary key, cor VARCHAR(45), modelo_id INT, cliente_cpf VARCHAR(14),
```

```
constraint fk_cliente1 foreign key (cliente_cpf) references cliente (cpf) on delete cascade on update restrict,
```

```
constraint fk_modelo1 foreign key (modelo_id) references modelo (id) on delete cascade on update restrict);
```

```
create table estacionamento (id INT primary key, data_entrada DATE, hora_entrada VARCHAR(5), data_saida DATE, hora_saida VARCHAR(5), veiculo_placa VARCHAR(8), patio_id INT,
```

```
constraint fk_veiculo1 foreign key (veiculo_placa) references veiculo (placa) on delete cascade on update restrict,
```

```
constraint fk_patio1 foreign key (patio_id) references patio (id) on delete cascade on update restrict);
```

```
create table log (id INT auto_increment primary key, acao VARCHAR(255));
```

```
DELIMITER //
```

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```
CREATE TRIGGER trg_ins_log AFTER INSERT
```

```
ON cliente FOR EACH ROW
```

```
BEGIN
```

```
INSERT into log set acao = CONCAT('INCLUSÃO CLIENTE - ',New.cpf);
```

```
END//
```

```
DELIMITER ;
```

```
insert into cliente values("085.772.456-83","Kledosvaldo Ramos",'2000-01-01');
```

```
select * from cliente;
```

```
select * from log;
```

```
cpf
```

```
DELIMITER //
```

```
CREATE TRIGGER trg_del_log AFTER DELETE
```

```
ON cliente FOR EACH ROW
```

```
BEGIN
```

```
INSERT into log set acao = CONCAT('EXCLUSÃO DO CLIENTE - ',Old.cpf);
```

```
END//
```

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DELIMITER ;

delete from cliente where cpf= "085.772.456-83";

DELIMITER //

CREATE TRIGGER trg_upd_log AFTER update

ON cliente FOR EACH ROW

BEGIN

INSERT into log set acao = CONCAT('ALTERAÇÃO DO CLIENTE - Antigo: ',Old.cpf,' Novo: ',new.cpf);

END//

DELIMITER ;

drop trigger trg_upd_log;

update cliente set cpf = "085.772.456-85" where cpf = "085.772.456-84";

DELIMITER \$\$

CREATE PROCEDURE inserir_cliente (IN vcpf VARCHAR(14),

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```
IN vnome VARCHAR(45), IN vdata_nascimento DATE)
```

```
BEGIN
```

```
insert into cliente values (vcpf,vnome,vdata_nascimento);
```

```
END $$
```

```
DELIMITER ;
```

```
call inserir_cliente('555.555.555-55','Mariana','1970-01-01');
```

```
DELIMITER $$
```

```
CREATE PROCEDURE alterar_cliente (IN vcpf VARCHAR(14),  
IN vnome VARCHAR(45))
```

```
BEGIN
```

```
update cliente set nome = vnome where cpf = vcpf;
```

```
END $$
```

```
DELIMITER ;
```

```
drop procedure alterar_cliente;
```

```
-- update cliente set nome = 'Cavala Mariana' where cpf = '555.555.555-55';
```

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```
call alterar_cliente ('555.555.555-55','Joana Pereira');
```

```
select * from cliente;
```

```
DELIMITER $$
```

```
CREATE procedure delete_cliente (in vcpf varchar(14))
```

```
begin
```

```
delete from cliente where cpf= vcpf;
```

```
END $$
```

```
DELIMITER ;
```

```
call delete_cliente ('555.555.555-55');
```

```
select * from cliente;
```

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