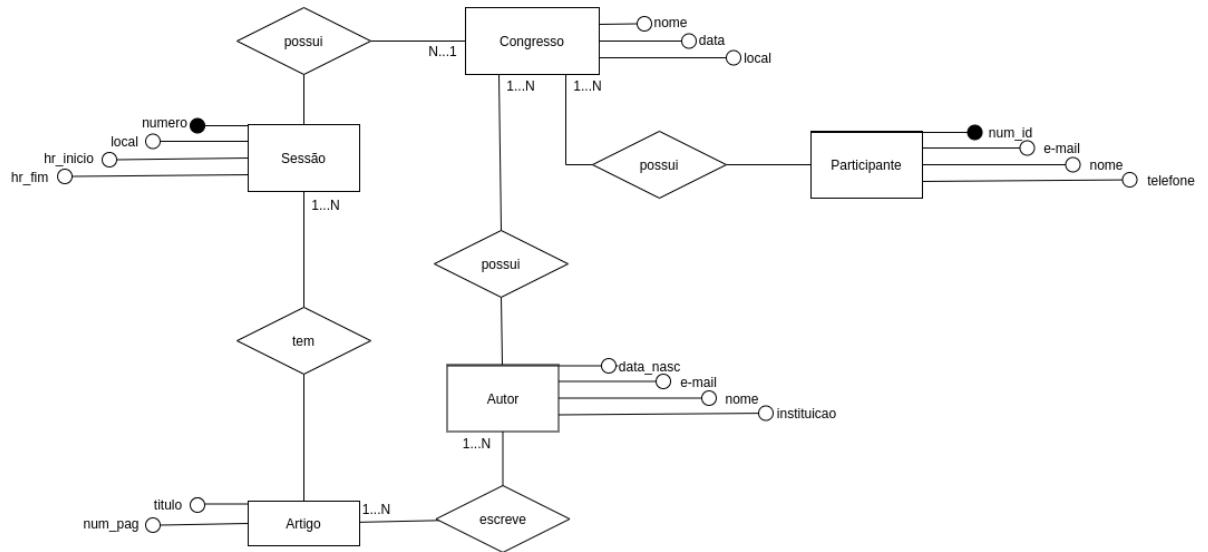
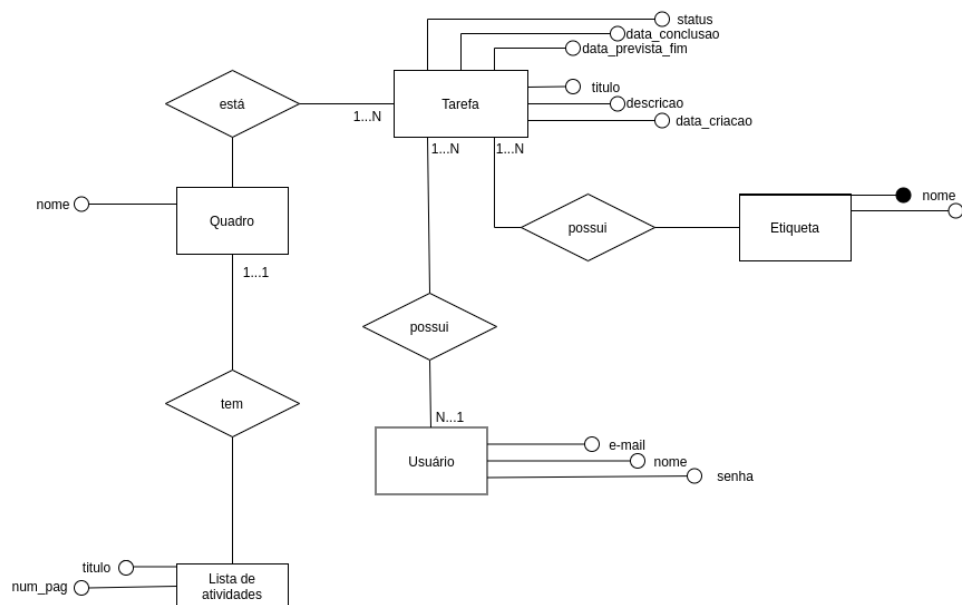


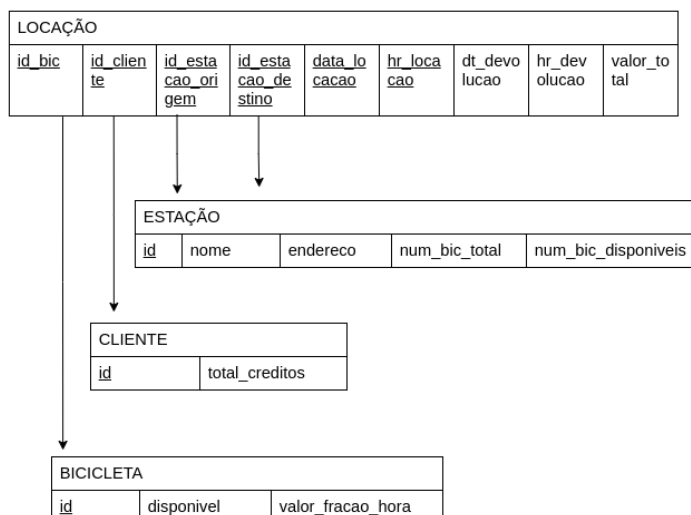
1-



2 -



3 -



```

CREATE TABLE LOCACAO(
    id_bic integer not null,
    id_cliente integer not null,
    id_estacao_origem integer not null,
    id_estacao_destino integer not null,
    data_locacao date primary key not null,
    hr_locacao time not null,
    dt_devolucao date not null,
    hr_devolucao time not null,
    valor_total float not null,
    FOREIGN KEY(id_bic) REFERENCES BICICLETA(id),
    FOREIGN KEY(id_cliente) REFERENCES CLIENTE(id),
    FOREIGN KEY(id_estacao_origem) REFERENCES ESTACAO(id), FOREIGN
    KEY(id_estacao_destino) REFERENCES ESTACAO(id)
);

```

```

CREATE TABLE BICICLETA(
    id integer primary key not null,
    disponivel bool not null,
    valor_fracao_hora float not null
);

```

```

CREATE TABLE ESTACAO(
    id integer primary key not null,
    nome varchar(30) not null,
    endereco varchar(50) not null,
    num_bic_total integer not null,
    num_bic_disponiveis integer not null
);

```

```

CREATE TABLE CLIENTE(
    id integer primary key not null,
    total_credits integer not null
);

```

4 -

```

CREATE TABLE FUNCIONARIO(
    Pnome varchar(20) not null,
    Minicial char,
    Unome varchar(20) not null,
    Cpf char(11) primary key not null,
    Datanasc date,
    Endereco varchar(30),
    Sexo char,
    Salario decimal(10,2),
    Cpf_supervisor varchar(11) not null,

```

```
    Dnr integer,  
    FOREIGN KEY(Cpf_supervisor) REFERENCES FUNCIONARIO(Cpf)  
    FOREIGN KEY(Dnr) REFERENCES DEPARTAMENTO(Dnumero)  
);
```

```
CREATE TABLE DEPARTAMENTO(  
    Dnome varchar(20) not null,  
    Dnumero integer primary key not null,  
    Cpf_gerente char(11) not null,  
    Data_inicio_gerente date not null,  
    FOREIGN KEY(Cpf_gerente) REFERENCES FUNCIONARIO(Cpf)  
);
```

```
ALTER TABLE FUNCIONARIO add constraint Dnr FOREIGN KEY (Dnr) REFERENCES  
DEPARTAMENTO(Dnumero);
```

```
CREATE TABLE LOCALIZACOES_DEP(  
    Dnumero integer not null,  
    Dlocal varchar(30) primary key not null,  
    FOREIGN KEY(Dnumero) REFERENCES DEPARTAMENTO(Dnumero)  
);
```

```
CREATE TABLE PROJETO (  
    Projnome varchar(30) not null,  
    Projnumero integer primary key not null,  
    Projlocal varchar(30),  
    Dnum integer not null,  
    FOREIGN KEY (Dnum) REFERENCES DEPARTAMENTO(Dnumero)  
);
```

```
CREATE TABLE TRABALHA_EM(  
    Fcfp char(11) primary key not null,  
    Pnr integer not null,  
    Horas integer not null,  
    FOREIGN KEY (Fcfp) REFERENCES FUNCIONARIO(Cpf),  
    FOREIGN KEY (Pnr) REFERENCES PROJETO(Projnumero)  
);
```

```
CREATE TABLE DEPENDENTE(  
    Fcpf char(11) primary key not null,  
    Nome_dependente varchar(30) not null,  
    Sexo char,  
    Datanasc date not null,  
    Parentesco varchar(30),  
    FOREIGN KEY(Fcpf) REFERENCES FUNCIONARIO(Cpf)  
);
```

5 -

1. questão 4:

```
INSERT INTO FUNCIONARIO VALUES('Maria', 'M', 'Lima', '14354365782', '12-11-2001',  
'Rua Lima, 231, Alerim', 'M', 1080.00, '14354365782');  
INSERT INTO FUNCIONARIO VALUES('Luiz', 'S', 'Araujo', '13245674389', '07-10-2003',  
'Rua Araujo, 212, Alerim', 'F', 1200.00, '13245674389');  
INSERT INTO FUNCIONARIO VALUES('João', 'A', 'Alves', '43572437891', '12-03-1989',  
'Rua Lores, 91, Flintos', 'M', 1140.00, '43572437891');  
INSERT INTO FUNCIONARIO VALUES('Lucy', 'D', 'Braga', '32413565787', '07-04-2000',  
'Rua Soares, 74, Lezol', 'F', 1000.00, '32413565787');  
INSERT INTO FUNCIONARIO VALUES('Kamila', 'O', 'Suzana', '32413425678',  
'10-01-1993', 'Rua Paiva, 47, Riachos', 'M', 1700.00, '32413425678');
```

```
INSERT INTO DEPARTAMENTO VALUES('Roupas', 1, '14354365782', '04-02-2021');  
INSERT INTO DEPARTAMENTO VALUES('Saúde', 2, '13245674389', '25-12-2021');  
INSERT INTO DEPARTAMENTO VALUES('Educação', 3, '43572437891', '23-05-2021');  
INSERT INTO DEPARTAMENTO VALUES('TI', 4, '32413565787', '01-08-2021');  
INSERT INTO DEPARTAMENTO VALUES('Industria', 5, '32413425678', '11-06-2021');
```

```
INSERT INTO LOCALIZACOES_DEP VALUES(1, 'Roupas');  
INSERT INTO LOCALIZACOES_DEP VALUES(2, 'Saúde');  
INSERT INTO LOCALIZACOES_DEP VALUES(3, 'Educação');  
INSERT INTO LOCALIZACOES_DEP VALUES(4, 'TI');  
INSERT INTO LOCALIZACOES_DEP VALUES(5, 'Industria');
```

```
INSERT INTO PROJETO VALUES('SpacyX', 1, 'TI', 1);  
INSERT INTO PROJETO VALUES('Seila', 2, 'Saúde', 2);  
INSERT INTO PROJETO VALUES('Educa', 3, 'Educação', 5);  
INSERT INTO PROJETO VALUES('Gol', 4, 'Industria', 4);  
INSERT INTO PROJETO VALUES('Vista', 5, 'Roupas', 3);
```

```
INSERT INTO TRABALHA_EM VALUES('04353213477', 5, 8);  
INSERT INTO TRABALHA_EM VALUES('07424213197', 3, 8);  
INSERT INTO TRABALHA_EM VALUES('01424123457', 1, 8);  
INSERT INTO TRABALHA_EM VALUES('07278941065', 4, 8);  
INSERT INTO TRABALHA_EM VALUES('12332148656', 2, 8);
```

```
INSERT INTO DEPENDENTE VALUES('14354365782', 'José', 'M', '24-11-1980', 'Pai');  
INSERT INTO DEPENDENTE VALUES('13245674389', 'Diana', 'F', '14-12-1980', 'Irmã');  
INSERT INTO DEPENDENTE VALUES('43572437891', 'Maria', 'F', '15-06-2004',  
'Sobrinha');  
INSERT INTO DEPENDENTE VALUES('32413565787', 'João', 'M', '24-04-1979', 'Marido');  
INSERT INTO DEPENDENTE VALUES('32413425678', 'Higo', 'M', '28-09-1990', 'Primo');
```

2. questão 3:

```
INSERT INTO BICICLETA VALUES (1, 'false', 6.25);
```

```
INSERT INTO BICICLETA VALUES (2, 'true', 2.40);
INSERT INTO BICICLETA VALUES (3, 'true', 4.10);
INSERT INTO BICICLETA VALUES (4, 'false', 9.00);
INSERT INTO BICICLETA VALUES (5, 'false', 3.50);
```

```
INSERT INTO ESTACAO VALUES(1, 'Vila', 'Rua Alvaro 560 Vila', 13, 3);
INSERT INTO ESTACAO VALUES(2, 'Alabasta', 'Rua Almeida 330 Centro', 33, 4);
INSERT INTO ESTACAO VALUES(3, 'Mart', 'Rua Kaqui 197 Centro', 12, 6);
INSERT INTO ESTACAO VALUES(4, 'Dicer', 'Rua Sem Fim 264 Mirim', 29, 3);
INSERT INTO ESTACAO VALUES(5, 'Chapa', 'Rua Raul 73 Osas', 6, 5);
```

```
INSERT INTO CLIENTE VALUES(1, 13);
INSERT INTO CLIENTE VALUES(2, 10);
INSERT INTO CLIENTE VALUES(3, 5);
INSERT INTO CLIENTE VALUES(4, 3);
INSERT INTO CLIENTE VALUES(5, 11);
```

```
INSERT INTO LOCACAO VALUES(1, 1, 1, 3, '01-09-2021', '08:00', '01-10-2021', '08:00',
300.00);
INSERT INTO LOCACAO VALUES(2, 2, 2, 4, '11-10-2021', '07:00', '11-11-2021', '07:00',
20.50);
INSERT INTO LOCACAO VALUES(3, 3, 3, 4, '22-08-2021', '09:20', '22-09-2021', '09:20',
57.90);
INSERT INTO LOCACAO VALUES(4, 4, 2, 1, '30-04-2021', '12:00', '30-05-2021', '12:00',
102.13);
INSERT INTO LOCACAO VALUES(5, 5, 5, 1, '02-02-2021', '15:30', '02-03-2021', '15:30',
560.70);
```