1)

a)

create table Categoria(

id bigint identity(1,1) primary key not null,

titulo varchar(200) null,

descricao varchar(500) null

)

go

create table Series(

id bigint identity(1,1) primary key not null,

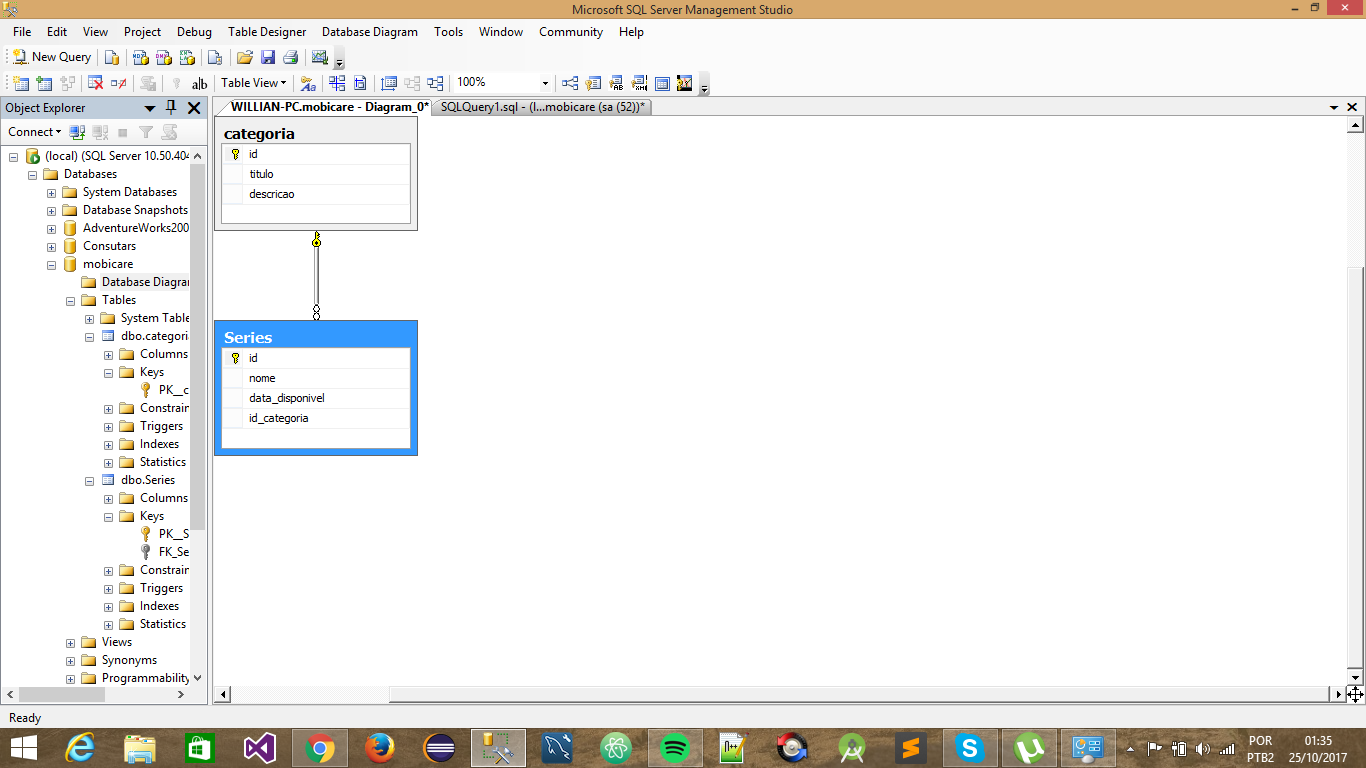
nome varchar(200) null,

data\_disponivel datetime null,

id\_categoria bigint not null,

CONSTRAINT FK\_series\_categoria FOREIGN KEY (id\_categoria) REFERENCES Categoria (id)

)



b)

create table Categoria(

id bigint identity(1,1) primary key not null,

titulo varchar(200) null,

descricao varchar(500) null

)

go

create table Series(

id bigint identity(1,1) primary key not null,

nome varchar(200) null,

data\_disponivel datetime null

)

go

create table Series\_Categoria(

id\_series bigint not null,

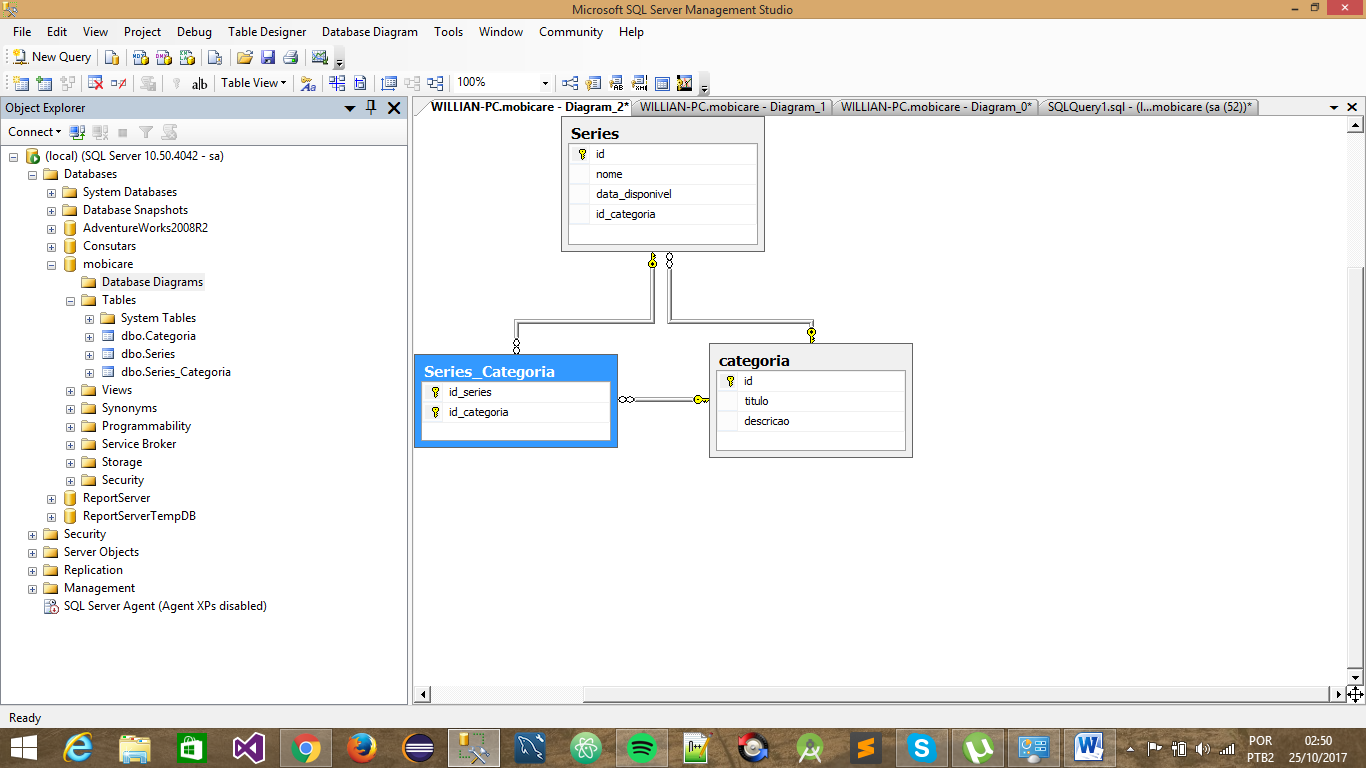
id\_categoria bigint not null,

CONSTRAINT FK\_series\_categoria PRIMARY KEY (id\_categoria,id\_series),

CONSTRAINT FK\_series\_categoria\_categoria FOREIGN KEY (id\_categoria) REFERENCES Categoria (id),

CONSTRAINT FK\_series\_categoria\_series FOREIGN KEY (id\_series) REFERENCES Series (id)

)



c)

select s.nome,c.titulo from Series s

inner join Series\_Categoria b on s.id = b.id\_series

inner join Categoria c on c.id = b.id\_categoria

order by s.data\_disponivel desc

2)

create table Cliente(

id bigint identity(1,1) primary key not null,

nome varchar(200) null

)

go

create table Modem(

id bigint identity(1,1) primary key not null,

nome varchar(200) null,

)

go

create table Cliente\_Modem(

id\_Cliente bigint not null,

id\_Modem bigint not null,

CONSTRAINT PK\_cliente\_modem\_cliente PRIMARY KEY (id\_Cliente,id\_Modem),

CONSTRAINT FK\_cliente\_modem\_cliente FOREIGN KEY (id\_Cliente) REFERENCES Cliente (id),

CONSTRAINT FK\_cliente\_modem\_cliente FOREIGN KEY (id\_Modem) REFERENCES Modem (id)

)

3)

6)

i.

SELECT f.nome, s.nome FROM Funcionario\_Setor a

INNER JOIN Funcionarios f ON a.ID\_FUNC = f.ID

INNER JOIN Setor s on a.ID\_SETOR = S.id

WHERE s.ID = 1

ii.

SELECT s.NOME, count(\*) as qtd\_func FROM Funcionario\_Setor a

INNER JOIN Funcionarios f ON a.ID\_FUNC = f.ID

INNER JOIN Setor s on a.ID\_SETOR = S.id

group by a.ID\_SETOR,s.NOME ORDER BY s.NOME ASC

iii.

SELECT s.NOME as qtd\_func FROM Funcionario\_Setor a

LEFT JOIN Funcionarios f ON a.ID\_FUNC = f.ID

LEFT JOIN Setor s on a.ID\_SETOR = S.id

WHERE f.ID IS NULL

iv.

SELECT s.NOME, SUM(f.SALARIO) as TOTAL FROM Funcionario\_Setor a

INNER JOIN Funcionarios f ON a.ID\_FUNC = f.ID

INNER JOIN Setor s on a.ID\_SETOR = S.id

group by a.ID\_SETOR,s.NOME ORDER BY s.NOME DESC

v.

SELECT f.nome, s.nome FROM Funcionario\_Setor a

INNER JOIN Funcionarios f ON a.ID\_FUNC = f.ID

INNER JOIN Setor s on a.ID\_SETOR = S.id

WHERE month(data\_associacao) <=9