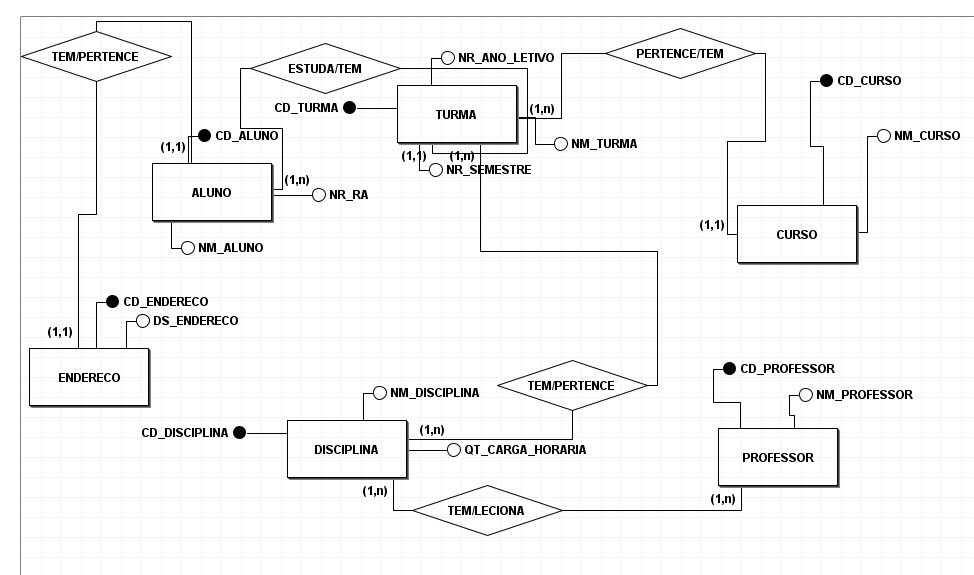
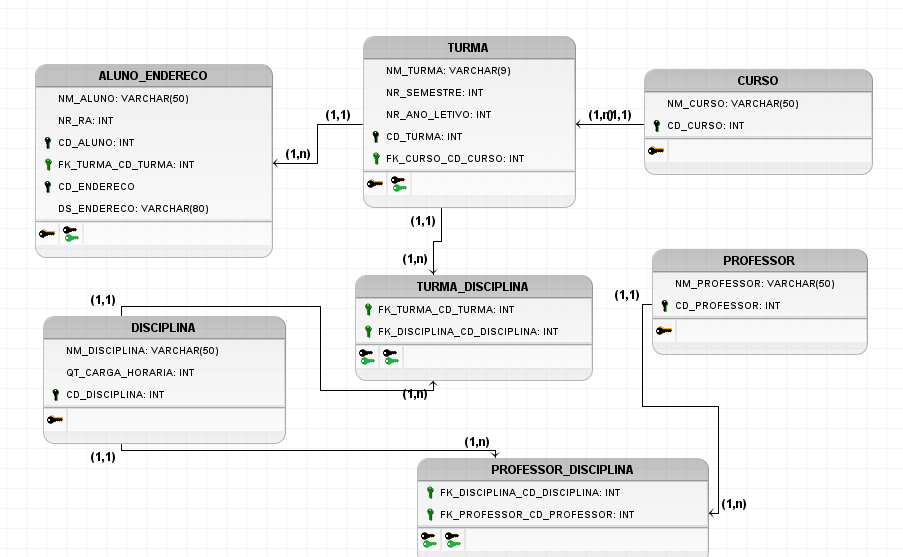
MODELO CONCEITUAL



MODELO LÓGICO



--DDL DATA DEF LANGUAGE

CREATE DATABASE ESCOLA;

USE ESCOLA

--CRIAR TABELA

CREATE TABLE CURSO

(CD\_CURSO INT IDENTITY(1,1) PRIMARY KEY NOT NULL,

NM\_CURSO VARCHAR(50) NOT NULL,

CONSTRAINT UNICO\_CURSO UNIQUE(NM\_CURSO))

INSERT INTO CURSO VALUES (1,'ADS') -- ERRO DE PK

INSERT INTO CURSO VALUES ('ADS')

INSERT INTO CURSO VALUES ('TJD')

SELECT \* FROM CURSO

INSERT INTO CURSO VALUES ('BSI'),('GTI'),('BCC')

CREATE TABLE TURMA

(CD\_TURMA INT IDENTITY NOT NULL,

NM\_TURMA CHAR(9) NOT NULL,

NR\_SEMESTRE INT NOT NULL,

NR\_ANO\_LETIVO INT NOT NULL,

CD\_CURSO INT NOT NULL,

CONSTRAINT PK\_TURMA PRIMARY KEY(CD\_TURMA),

CONSTRAINT FK\_TURMA FOREIGN KEY(CD\_CURSO) REFERENCES CURSO(CD\_CURSO))

--DML

SELECT \* FROM CURSO

INSERT INTO TURMA VALUES ('048104A16',1,2021,1)

INSERT INTO TURMA VALUES ('048103A16',1,2021,1)

INSERT INTO TURMA VALUES ('048105A16',1,2021,1)

INSERT INTO TURMA VALUES ('048101A16',1,2021,1)

INSERT INTO TURMA VALUES ('019104A16',1,2021,2)

INSERT INTO TURMA VALUES ('019103A16',1,2021,2)

INSERT INTO TURMA VALUES ('019105A16',1,2021,2)

INSERT INTO TURMA VALUES ('108103A16',1,2021,3)

INSERT INTO TURMA VALUES ('108105A16',1,2021,3)

INSERT INTO TURMA VALUES ('179204A16',1,2021,3)

SELECT \* FROM CURSO

SELECT \* FROM TURMA

SELECT \* FROM CURSO AS C,TURMA AS T WHERE C.CD\_CURSO=T.CD\_CURSO

SELECT \* FROM CURSO C INNER JOIN TURMA T ON C.CD\_CURSO=T.CD\_CURSO

SELECT \* FROM CURSO C LEFT JOIN TURMA T ON C.CD\_CURSO=T.CD\_CURSO

SELECT \* FROM TURMA T RIGHT JOIN CURSO C ON C.CD\_CURSO=T.CD\_CURSO



SELECT \* FROM FUNCIONARIO AS F

INNER JOIN CIDADE AS C ON C.CIDADEID=F.CIDADEID

INNER JOIN ESTADO AS E ON E.ESTADOID=C.ESTADOID

INNER JOIN TELEFONE\_FUNCIONARIO AS TF ON F.FUNCIONARIOID=TF.FUNCIONARIOID

INNER JOIN TELEFONE AS T ON T.TELEFONEID=TF.TELEFONEID

INNER JOIN DEPTO AS D ON D.DEPTOID=F.DEPTOID

SELECT NM\_FUNCIONARIO,SALARIO,SEXO,NM\_CIDADE,UF,DDD,TELEFONE,NM\_DEPTO

FROM FUNCIONARIO AS F

INNER JOIN CIDADE AS C ON C.CIDADEID=F.CIDADEID

INNER JOIN ESTADO AS E ON E.ESTADOID=C.ESTADOID

INNER JOIN TELEFONE\_FUNCIONARIO AS TF ON F.FUNCIONARIOID=TF.FUNCIONARIOID

INNER JOIN TELEFONE AS T ON T.TELEFONEID=TF.TELEFONEID

INNER JOIN DEPTO AS D ON D.DEPTOID=F.DEPTOID

ORDER BY NM\_DEPTO,NM\_CIDADE

SELECT NM\_FUNCIONARIO,SALARIO,SEXO,NM\_CIDADE,UF,DDD,TELEFONE,NM\_DEPTO

FROM FUNCIONARIO AS F

INNER JOIN CIDADE AS C ON C.CIDADEID=F.CIDADEID

INNER JOIN ESTADO AS E ON E.ESTADOID=C.ESTADOID

INNER JOIN TELEFONE\_FUNCIONARIO AS TF ON F.FUNCIONARIOID=TF.FUNCIONARIOID

INNER JOIN TELEFONE AS T ON T.TELEFONEID=TF.TELEFONEID

INNER JOIN DEPTO AS D ON D.DEPTOID=F.DEPTOID

WHERE NM\_DEPTO = 'RH'

ORDER BY NM\_CIDADE