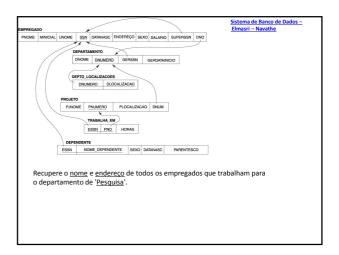
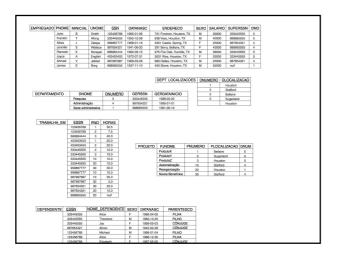
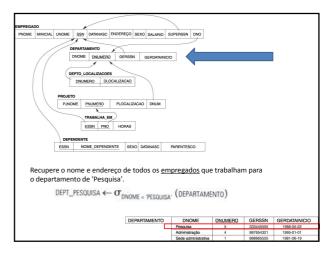
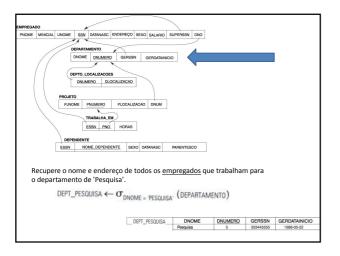
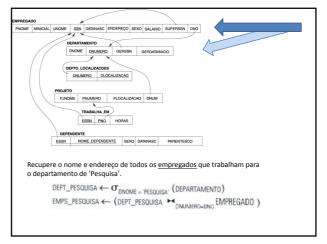
Exemplos Álgebra Relacional



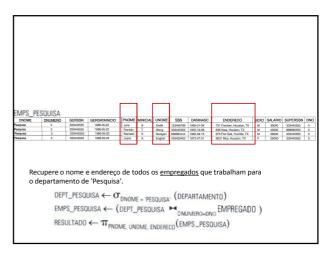


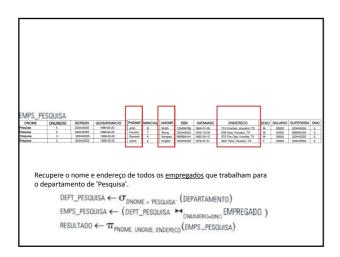


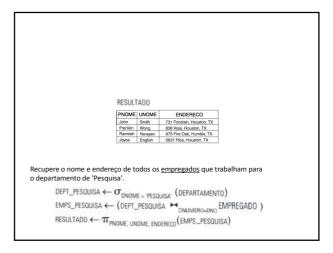


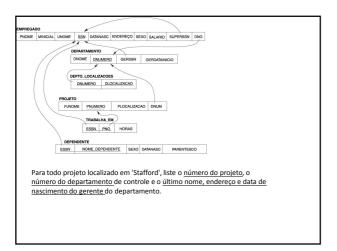


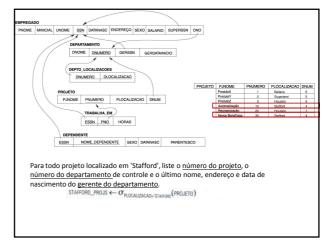


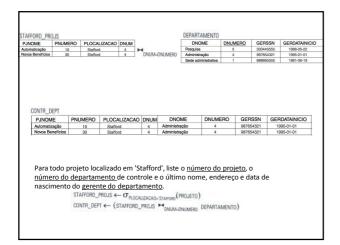


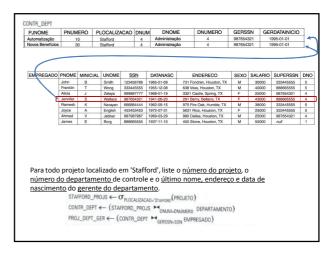


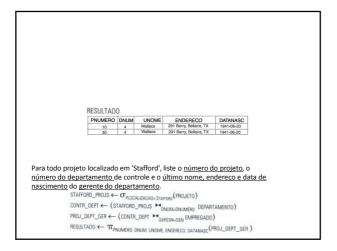


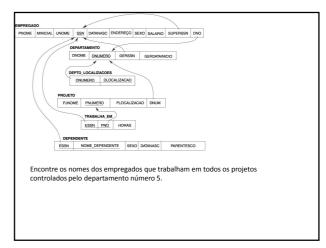


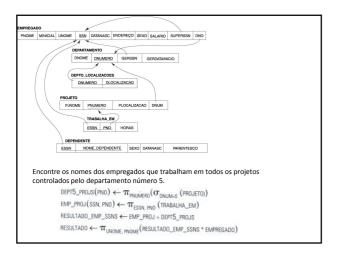


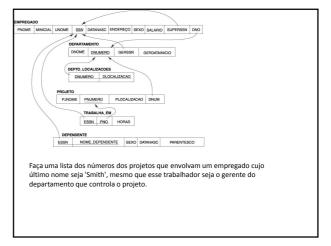


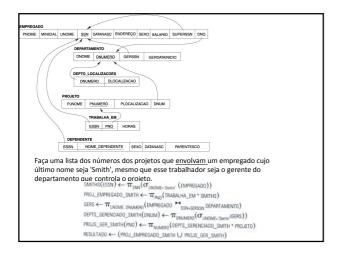


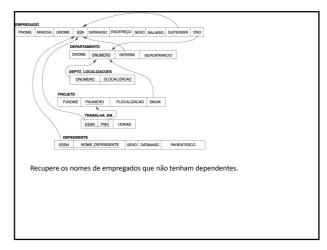


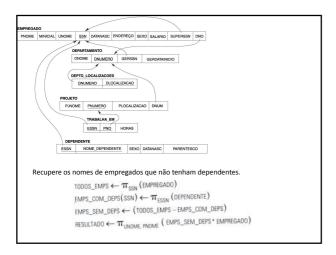


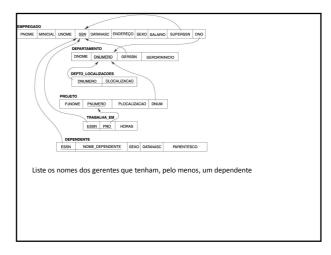


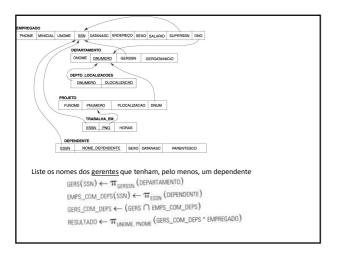












Exemplos SQL – create table

Exemplo – Chave primária

Aluno = {RA, NOME, NASCIMENTO }

CREATE TABLE ALUNO(
RA NUMBER(8),
NOME VARCHAR(70),
NASCIMENTO DATE,

CONSTRAINT CHAVEALUNO PRIMARY KEY (RA));

CREATE TABLE ALUNO(

RA NUMBER(8) PRIMARY KEY,

NOME VARCHAR(70),

NASCIMENTO DATE);

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Exemplo - Chave primária

Aluno = {RA, NOME, NASCIMENTO }

CREATE TABLE ALUNO(
RA NUMBER(8),
NOME VARCHAR(70),
NASCIMENTO DATE,

CONSTRAINT CHAVEALUNO PRIMARY KEY (NOME, NASCIMENTO));

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Exemplo – Valor default

Professor = {COD_PROF, NOME, NIVEL}

CREATE TABLE PROFESSOR(

COD_PROF NUMBER(8),

NOME VARCHAR(70),

NIVEL VARCHAR(20) DEFAULT 'Doutorado',

CONSTRAINT CHAVEPROFESSOR PRIMARY KEY (COD_PROF));

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Exemplo - CHECK

Professor = {COD PROF, NOME, NIVEL }

CREATE TABLE PROFESSOR(

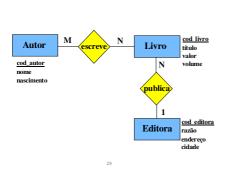
COD_PROF NUMBER(8),

NOME VARCHAR(70),

NIVEL VARCHAR(20).

...

Exemplo/Exercício ME-R



Exemplo/Exercício Modelo Relacional

AUTOR = { <u>COD AUTOR</u>, NOME, NASCIMENTO }

ESCREVE = { COD_AUTOR, COD_LIVRO }

LIVRO ={ <u>COD LIVRO</u>, TITULO, VALOR, VOLUME, COD_EDITORA }

EDITORA = { <u>COD EDITORA</u>, RAZAO, ENDERECO, CIDADE }

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Exemplo/Exercício

/* Cria tabela autor */

CREATE TABLE AUTOR(
COD_AUTOR DECIMAL (3),
NOME VARCHAR(70) NOT NULL,
NASCIMENTO DATE NOT NULL,
CONSTRAINT CHAVEAUTOR PRIMARY KEY (COD_AUTOR),
CONSTRAINT UNICOAUTOR UNIQUE(NOME, NASCIMENTO));

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Exemplo/Exercício

/* Cria tabela editora */

CREATE TABLE EDITORA(
COD_EDITORA DECIMAL(3),
RAZAO VARCHAR(70),
ENDERECO CHAR(70),
CIDADE CHAR(70),
CONSTRAINT CHAVEEDITORA PRIMARY KEY(COD_EDITORA));

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Exemplo

/* Cria tabela livro */

CREATE TABLE LIVRO(
COD_LIVRO DECIMAL(9),
TITULO CHAR(70) NOT NULL,
VALOR DECIMAL(7,2),
VOLUME DECIMAL(2),
COD_EDITORA DECIMAL NOT NULL,
CONSTRAINT CHAVELIVRO PRIMARY KEY (COD_LIVRO),
CONSTRAINT LIVROINHERITEDITORA
FOREIGN KEY(COD_EDITORA) REFERENCES EDITORA);

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Exemplo

/* Cria tabela escreve */

CREATE TABLE ESCREVE(
COD_LIVRO_ESC DECIMAL(9),
COD_AUTOR_ESC DECIMAL(3),
CONSTRAINT CHAVEESCREVE
 PRIMARY KEY (COD_LIVRO_ESC, COD_AUTOR_ESC),
CONSTRAINT ESTRANGEIRALIVRO
 FOREIGN KEY (COD_LIVRO_ESC) REFERENCES LIVRO,
CONSTRAINT ESTRANGEIRAAUTOR
 FOREIGN KEY (COD_AUTOR_ESC) REFERENCES AUTOR
);

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