DROP DATABASE IF EXISTS employees;

CREATE DATABASE IF NOT EXISTS employees;

USE employees;

SELECT 'CREATING DATABASE STRUCTURE' as 'INFO';

DROP TABLE IF EXISTS dept\_emp,

dept\_manager,

titles,

salaries,

employees,

departments;

/\*!50503 set default\_storage\_engine = InnoDB \*/;

/\*!50503 select CONCAT('storage engine: ', @@default\_storage\_engine) as INFO \*/;

CREATE TABLE employees (

emp\_no INT NOT NULL,

birth\_date DATE NOT NULL,

first\_name VARCHAR(14) NOT NULL,

last\_name VARCHAR(16) NOT NULL,

gender ENUM ('M','F') NOT NULL,

hire\_date DATE NOT NULL,

PRIMARY KEY (emp\_no)

);

CREATE TABLE departments (

dept\_no CHAR(4) NOT NULL,

dept\_name VARCHAR(40) NOT NULL,

PRIMARY KEY (dept\_no),

UNIQUE KEY (dept\_name)

);

CREATE TABLE dept\_manager (

emp\_no INT NOT NULL,

dept\_no CHAR(4) NOT NULL,

from\_date DATE NOT NULL,

to\_date DATE NOT NULL,

FOREIGN KEY (emp\_no) REFERENCES employees (emp\_no) ON DELETE CASCADE,

FOREIGN KEY (dept\_no) REFERENCES departments (dept\_no) ON DELETE CASCADE,

PRIMARY KEY (emp\_no,dept\_no)

);

CREATE TABLE dept\_emp (

emp\_no INT NOT NULL,

dept\_no CHAR(4) NOT NULL,

from\_date DATE NOT NULL,

to\_date DATE NOT NULL,

FOREIGN KEY (emp\_no) REFERENCES employees (emp\_no) ON DELETE CASCADE,

FOREIGN KEY (dept\_no) REFERENCES departments (dept\_no) ON DELETE CASCADE,

PRIMARY KEY (emp\_no,dept\_no)

);

CREATE TABLE titles (

emp\_no INT NOT NULL,

title VARCHAR(50) NOT NULL,

from\_date DATE NOT NULL,

to\_date DATE,

FOREIGN KEY (emp\_no) REFERENCES employees (emp\_no) ON DELETE CASCADE,

PRIMARY KEY (emp\_no,title, from\_date)

)

;

CREATE TABLE salaries (

emp\_no INT NOT NULL,

salary INT NOT NULL,

from\_date DATE NOT NULL,

to\_date DATE NOT NULL,

FOREIGN KEY (emp\_no) REFERENCES employees (emp\_no) ON DELETE CASCADE,

PRIMARY KEY (emp\_no, from\_date)

)

;