# Creating the database

CREATE DATABASE databaseprog\_companystructure;

USE databaseprog\_companystructure;

# Creating tables

CREATE TABLE titles (

title\_id INT AUTO\_INCREMENT NOT NULL,

title\_name varchar(50),

PRIMARY KEY (title\_id)

);

CREATE TABLE salaries (

salary\_id INT AUTO\_INCREMENT NOT NULL,

salary\_level INT,

PRIMARY KEY (salary\_id)

);

CREATE TABLE departments (

dep\_id INT AUTO\_INCREMENT NOT NULL,

dep\_name varchar(50),

dep\_address varchar(100),

PRIMARY KEY (dep\_id)

);

CREATE TABLE employees (

emp\_id INT AUTO\_INCREMENT NOT NULL,

emp\_firstname varchar(50),

emp\_lastname varchar(50),

title\_id INT,

salary\_id INT,

dep\_id INT,

FOREIGN KEY (title\_id) REFERENCES titles(title\_id),

FOREIGN KEY (salary\_id) REFERENCES salaries(salary\_id),

FOREIGN KEY (dep\_id) REFERENCES departments(dep\_id),

PRIMARY KEY (emp\_id)

);

CREATE TABLE department\_employees (

dep\_emp\_id INT AUTO\_INCREMENT NOT NULL,

dep\_id INT,

emp\_id INT,

PRIMARY KEY (dep\_emp\_id),

FOREIGN KEY (dep\_id) REFERENCES departments(dep\_id),

FOREIGN KEY (emp\_id) REFERENCES employees (emp\_id)

);

CREATE TABLE department\_managers (

man\_id INT AUTO\_INCREMENT NOT NULL,

dep\_id INT,

emp\_id INT,

PRIMARY KEY (man\_id),

FOREIGN KEY (dep\_id) REFERENCES departments(dep\_id),

FOREIGN KEY (emp\_id) REFERENCES employees(emp\_id)

);

# Data inserts

## Titles table

INSERT INTO titles(title\_name) VALUES (

'manager'

);

INSERT INTO titles(title\_name) VALUES (

'employee'

);

## Salaries table

INSERT INTO salaries(salary\_level) VALUES

('20000'), ('30000');

## Departments table

INSERT INTO departments(dep\_name, dep\_address) VALUES

('DepartmentA', 'LocationA'),

('DepartmentB', 'LocationB');

## Employees table

INSERT INTO employees(emp\_firstname, emp\_lastname, title\_id, salary\_id, dep\_id) VALUES

('John', 'Johnson', '2', '1', '1'),

('Bob', 'Newbie', '2', '1', '2'),

('Karen', 'McDonald', '1', '2', '1'),

('Marc', 'Smith', '1', '2', '2');

## Department Employees table

INSERT INTO department\_employees (dep\_id, emp\_id) VALUES

('1', '1'),

('2', '2');

## Department Managers table

INSERT INTO department\_managers(dep\_id, emp\_id) VALUES

('1', '3'),

('2', '4');