

# JDBC Assignment

## 1 Objectives

The purpose of this exercise is to practice using JDBC to access a relational database from a Java application.

## 2 Preparation

1. Read material about JDBC.
2. Download Mimer database 9.2.5 with its appropriate JDBC driver 3.18.
3. Download the Company database schema and data.
4. Create the Company database and populate it.

## 3 The scenario - the company database

The Jonson Brothers is a retail company with department stores in many major US cities. The company has a large number of employees and sells a varied line of products. To manage all information about the company structure and products, a database system is used. The company consists of a number of stores that contain a number of departments. The company has a number of employees, who (among other things) sell items at the different stores. Sales are registered in the sale and debit tables. The sale and debit tables may be a bit tricky to understand. You can view a row in the debit table as representing the receipt you get when you pay for your items, while a row in the sale table represents a row on such a receipt.

The company has contracts with various suppliers, who supply items for sale and also parts for the company's computer equipment. Deliveries of computer parts are registered in the supply table. The current state of the company database can be seen in the ER diagram given in Appendix A and the table definitions and contents in the appendixes B and C.

## 4 The lab

Use JDBC to extract the identification number, name and salary of the employees at Jonson Brothers from a Java program.

## 5 Handing in

Hand in the source code of your Java program in the pigeonhole of the responsible assistant. When executed the program should print the identification number, name and salary of all employees at Jonson Brothers to standard out (use Java method 'System.out.println()').