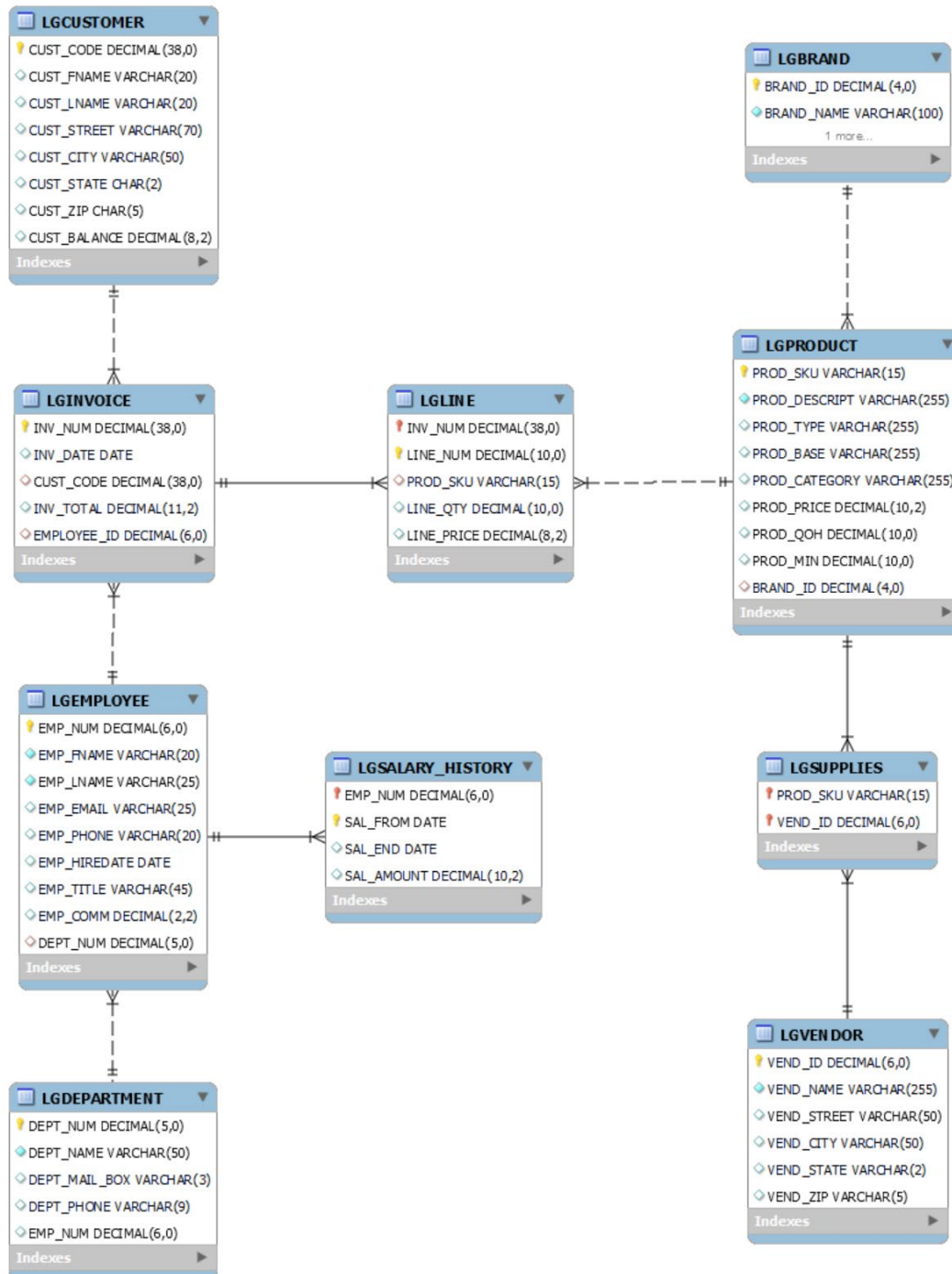


## SQL Lab – ProblemSet07

## Summary

The *LargeCo* database stores data for a company that sells paint products. The company tracks the sale of products to customers. The structure of the *LargeCo* database is shown below.

## Database Schema



The database keeps data on customers (LGCUSTOMER), sales (LGINVOICE), products (LGPRODUCT), which products are on which invoices (LGLINE), employees (LGEMPLOYEE), the salary history of each employee (LGSALARY\_HISTORY), departments (LGDEPARTMENT), product brands (LGBRAND), vendors (LGVENDOR), and which vendors supply each product (LGSUPPLIES). Some of the tables contain only a few rows of data, while other tables are quite large; for example, there are only eight departments, but more than 3,300 invoices containing over 11,000 invoice lines!

## Instructions

Use file *ProblemSet06\_07-SetupDB.sql* to create the *LargeCo* database in your RDS and populate the tables with starter data. You should not change the setup file, but you may want to read it for a sense of the data in the database. NOTE: This database setup file will take a LONG time to load, but you should only need to run it once and the database will be setup for both problem sets 06 and 07.

Using the structure of the *LargeCo* database shown above, create SQL commands to answer the problems in SQL Lab ProblemSet07. TEST your solutions before submitting them to the autograder!

Each problem comes in its own file with the problem description and a place for your solution. You will submit one file for each problem in the set to the autograder for evaluation. Zip all of your completed problems into a single file for submission to the autograder. Make sure you put your code in the location indicated and DO NOT change the names of the files!