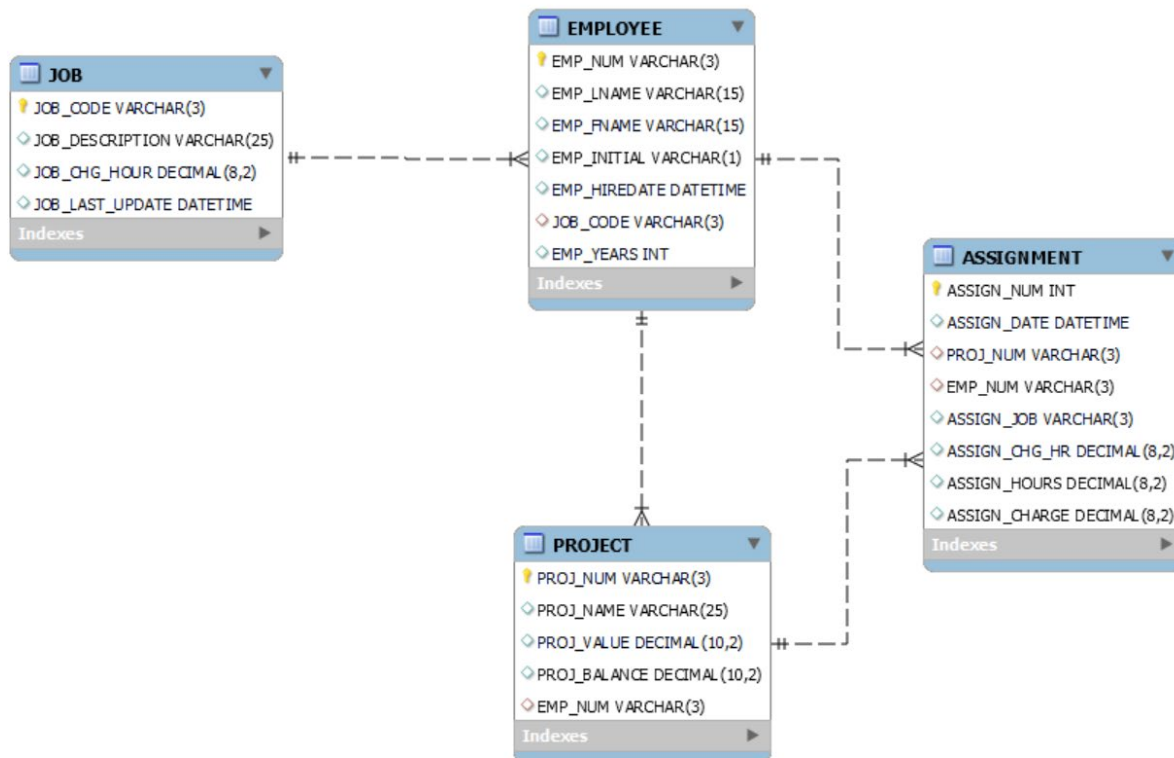


SQL Lab – ProblemSet01

Summary

The *ConstructCo* database stores data for a consulting company that tracks all charges to projects. The charges are based on the hours each employee works on each project. The structure of the *ConstructCo* database is shown below.

Database Schema



Note that the ASSIGNMENT table stores the JOB_CHG_HOUR values as an attribute (ASSIGN_CHG_HR) to maintain historical accuracy of the data. The JOB_CHG_HOUR values are likely to change over time. In fact, a JOB_CHG_HOUR change will be reflected in the ASSIGNMENT table. Naturally, the employee primary job assignment might also change, so the ASSIGN_JOB is also stored. Because those attributes are required to maintain the historical accuracy of the data, they are not redundant.

Instructions

Use file *ProblemSet01-SetupDB.sql* to create the *ConstructCo* 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.

Using the structure of the *ConstructCo* database shown above, create SQL commands to answer the problems in SQL Lab ProblemSet01. 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!