CS6360.MS1 Spring 2024

Assignment 1 – Install a Database

There are three parts to this assignment.

1. Install a relational database manager on your computer. Unfortunately, you can’t use the lab computers for this. As I have said in class, you can work with MySQL, MariaDB or Microsoft SQL Server. Make sure you install the tools, such as the MySQL Workbench or SQL Server Management Studio. You can get an “express edition” of the Microsoft product free. However, any of the three is fine for this assignments and ones that follow.
2. Download the Company database text file (with a .sql extension) from eLearning. If you got the one from my Web site, that won’t work. Run the script to create the database. Take a screen shot of your screen showing connectivity to the Company database, including the list of tables. This will be handed in. (10 points.)
3. Run the following queries and take screen captures of the query and showing the results. Your screen shots must show the query text along with the results. (5 points each):
   1. Insert your name into the Company database employee table with social security number of 111111111 and department 6. You don’t need to use your real address. Query to show that this was added.
   2. Update your employee record to show 111111100 as your supervisor. Query to show your record only.
   3. Show all employees who work for supervisor Jared D. James and those who work for supervisor Evan E. Wallis. That is, everyone who works for either one of those two people. (You can write this so the query doesn’t involve the name, if you wish.) Show employee’s first name, last name, SSN, salary, department number, and supervisor’s first and last name.
   4. Show all fields for all employees who make more than $50,000 per year, who are over 30 years old, and who live in Wisconsin (state abbreviation WI.)

To hand in: A PDF or Word document containing the screen shots as described in parts 2 and 3. Name this document <Netid>-Asg1.pdf. If I were to hand it in, it would be jxc064000-Asg1.pdf.

**Grading:**

10 points for loading the database.

10 points each for part 3, running queries.

Total: 50 points.

Points deducted for not showing required fields, errors, etc.