TSQL Homework 08b

Chapter 8b, T-SQL Query Fundamentals

Readings

Read chapter 8, pages 266 – 287 in the *T-SQL Query Fundamentals* book.

Homework questions

1. The sales tax rate for a state just changed. How would you update the state sales tax table to reflect the changes? Assume that this table has an ID column, an RATE column, and a STATE column.

2. The Revenue Division has requested that you provide a report on what the actual sales taxes would have been for all orders in the past year, assuming the retroactivity of the new sales tax rate. How would you calculate this?

3. Explain how the proprietary assignment update command works.

4. What is one very important purpose of the MERGE SQL statement? What is ETL (not in book)?

5. What are the semantics of MERGE?

6. Write a typical INSERT OUTPUT statement.

7. Write a typical UPDATE OUTPUT statement.

8. Write a typical DELETE OUTPUT statement.

9. Write a typical MERGE OUTPUT statement.

10. What is nested DML?

11. (Not in book) Write a query adding a new column to a table named PERSON. The new column name is `DayOfBirth` and the data type is string. Use ANSI SQL syntax.

12. (Not in book) Write a query adding a DEFAULT constraint to the column `DayOfBirth`. The constraint is that the value matches one of SUN, MON, TUE, WED, THU, FRI, or SAT.

13. (Not in book) Write a query adding a foreign key to the column `DayOfBirth`. The referenced table is named WEEK and the referenced column is ValidDay.