Lesson Plan 13, ISTA-420

Chapter 8, T-SQL Fundamentals

June 20, 2017

1 Class Discussion

Pages: 266 — 287

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?

2 In Class Exercises

1. Look at the csv file named presidents-short.csv in the SQL directory. Create an appropriate table schema.

2. Insert the CSV data into the table you just created.

3. Delete the first record from your table using the output clause. This is the header.

4. Alter the presidents table by adding a primary key column .

5. Bring the data up to date by updating the last row and adding a new row. Use the output clause.

6. Alter the presidents table to update the current party names, use the output clause. Federalists and Whigs became Republicans. Democratic-Republicans became Democrats

3 Graded Labs

LearnOnDemand lab 8.

4 Course Project

Iteration 3 design phase.

5 Homework

Read chapter 9, pages 297 – 313 in the *T-SQL Fundamentals* book.