

REVIEW LESSON

MTA Course: Database Administration Fundamentals

Lesson name: Database Fundamentals 3.4

Topic: Delete data. (One 50-minute class period)

File name: DBAdminFund_RL_3.4

Lesson Objective:

3.4: Delete data. *This objective may include but is not limited to:* deleting data from single or multiple tables; ensuring data and referential integrity by using transactions.

Preparation Details

Prerequisite student experiences and knowledge

An understanding of managing database objects and the DELETE command is required for this review. This review will focus on the applied use of DELETE command queries and the use of transactions.

This MTA Certification Exam Review lesson is written for students who have learned about Database Administration. Students who do not have the prerequisite knowledge and experiences cited in the objective, will find additional learning opportunities using resources such as those listed in the Microsoft® resources and Web links at the bottom of this review lesson.

Instructor preparation activities

None

Resources, software, and additional files needed for this lesson:

- Microsoft PowerPoint® viewer and projector
- DBAdminFund_PPT_3.4

Teaching Guide

Essential vocabulary:

DELETE FROM—a command used to delete rows in a table.

TRANSACTION—a set of two or more statements grouped into a single unit in order to perform a set of actions that succeed or fail as a whole.

ROLLBACK—the process of reversing the majority of changes except certain functionalities such as seed values for identity columns.

COMMIT—**COMMIT** statement ends a transaction and records all the changes into the database performed by the statements present within the transaction.

Lesson Sequence

Activating prior knowledge/lesson staging (5 minutes)

1. *Say:* During our previous review lesson, we looked at different uses of the UPDATE command. Today, we focus on the DELETE command with basic functions.

Lesson activity (35 minutes)

1. Present the DBAdminFund_PPT_3.4 PowerPoint slideshow.
2. Distribute Student Activity DBAdminFund_SA_3.4. In teams of two, students will create three to four DELETE statements to apply to the tables on the activity sheet and then exchange documents with another team to solve. Statements and answers will vary. The objective is for students to analyze the data, create statements, and be able to process the statements.
3. Monitor student progress on the activity to guide the practice and to correct misunderstandings.

Assessment/lesson reflection (10 minutes)

1. There are three questions for the class on the last slide of the presentation. This provides the opportunity for a class discussion of the lesson or a formal assessment with a written quiz. The use of small student whiteboards works very well here as a lesson reflection tool.
2. Collect the student activity for assessment if desired.

Microsoft resources and Web links

Faculty Connection Academic Resource Center

(<http://www.microsoft.com/education/facultyconnection/ARC/ResourceCenter.aspx?c1=en-us&c2=0>)