

REVIEW LESSON

MTA Course: Database Administration Fundamentals

Lesson name: Database Fundamentals 2.2

Topic: Understand tables and how to create them (One 50-minute class period)

File name: DBAdminFund_RL_2.2

Lesson Objective:

2.2: Understand tables and how to create them. *This objective may include but is not limited to:* purpose of tables; creating tables in a database by using proper ANSI SQL syntax.

Preparation Details**Prerequisite student experiences and knowledge**

An understanding of creating database objects and data types is required for this review.

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 end of this review lesson.

Instructor preparation activities:

This review lesson is intended to be general and not specific to any particular platform, but it will focus on MySQL, Microsoft SQL Server®, Microsoft Access®, Oracle, Sybase, DB2, and a few other database systems. General understanding of more than one database type will be helpful.

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

- Microsoft PowerPoint® viewer and projector
- DBAdminFund_PPT_2.2

Teaching Guide

Essential Vocabulary:

ANSI SQL syntax—the grammar of a language; the rules governing the structure and content of statements.

table—a data structure that usually consists of a list of entries with specified number of columns that can have any number of rows.

Lesson Sequence

Activating prior knowledge/lesson staging (10 minutes)

1. *Say:* “Today, we will create a SQL table with various data types.”

Lesson activity (30 minutes)

1. Present the PowerPoint® slideshow DBAdminFund_PPT_2.2

Assessment/lesson reflection (10 minutes)

1. There is a quiz on the last slide of the presentation that you can use for group discussion or as a written review of the material.

Microsoft resources and Web links

Faculty Connection Academic Resource Center

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

MSDN Search—Create Table

([http://msdn.microsoft.com/en-us/library/aa258255\(SQL.80\).aspx](http://msdn.microsoft.com/en-us/library/aa258255(SQL.80).aspx))