

REVIEW LESSON

MTA Course: Database Administration Fundamentals

Lesson name: Database Administration Fundamentals 2.3a

Topic: Create views using T-SQL (One 50-minute class period)

File name: DBAdminFund_RL_2.3a

Lesson Objective:

2.3a: Create views using T-SQL. *This objective may include but is not limited to:* understanding when to use views and how to create a view by using T-SQL.

Preparation Details**Prerequisite student experiences and knowledge**

An understanding of creating database objects with focus on virtual tables.

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_2.3a

Teaching Guide

Essential Vocabulary:

view—a saved query that creates a virtual table from the result set of the query.

query—a specific set of instructions (i.e. search criteria) for extracting/selecting particular data from a database.

graphical designer—applications, such as Microsoft Access®, which are object-oriented and use a drag-and-drop method instead of command lines.

Lesson Sequence

Activating prior knowledge/lesson staging (10 minutes)

1. Say: “Today’s lesson focuses on creating views from data tables. Views are virtual tables that can be created and queried the same way as real tables.”

Lesson activity (30 minutes)

1. Review the lesson concepts using the PowerPoint® presentation DBAdminFund_PPT_2.3a.

Assessment/lesson reflection (10 minutes)

1. There is a quiz on the last slide of the presentation that can be used for group discussion or 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?cl=en-us&c2=0>)

MSDN Search—Create Views

([http://msdn.microsoft.com/en-us/library/aa258253\(SQL.80\).aspx](http://msdn.microsoft.com/en-us/library/aa258253(SQL.80).aspx))