

Study Guide for MTA Database Administrator Fundamentals Session 3

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This Adaptive Study Guide represents all questions that were answered incorrectly. The test question title, steps (if applicable) and references have been included to assist you in your study.

Coding Practices

Which are examples of good coding practice? Choose all that apply.

Choices:

- A - Add data types
- B - Create defaults
- C - Match data types
- D - Provide column list
- E - Delete extra properties

References:

Adding Data Inserting Data

Column List Attributes

Which items are included in a column list? Choose all that apply.

Choices:

- A - Defaults
- B - Data type
- C - View type
- D - Standard name
- E - Attribute name
- F - Column property

References:

Adding Data INSERT Example

CREATE TABLE Functions

A CREATE TABLE function can have a primary key constraint.

- A - True
- B - False

References:

Adding Data INSERT Example

CREATE VIEW Syntax

Click the correct portions of missing code to create a new view named dbo.myview.

Steps:

- Step 1:** Click CREATE VIEW
- Step 2:** Click AS
- Step 3:** Click SELECT

References:

Working with Views CREATE VIEW Example

Stored Procedure Benefits

Which are benefits to using stored procedures? Choose all that apply.

Choices:

- A -** Provides security
- B -** Encapsulates repetitive tasks
- C -** Hides implementation details
- D -** Increases available memory stores
- E -** Provides high-resolution and image clarity
- F -** Reduces vulnerability to SQL injection attacks
- G -** Improves performance by reducing network activity

References:

Stored Procedures and Functions Stored Procedures Defined

Function Body

Which items may exist within the body of a function? Choose all that apply.

Choices:

- A -** Declare local variables
- B -** Local cursor operations
- C -** Assignment statements
- D -** INSERT, UPDATE, DELETE to local tables
- E -** INSERT, UPDATE, DELETE to external tables

References:

Stored Procedures and Functions Proper Function Body Syntax

Normalization Benefits

Which are benefits of using database normalization? Choose all that apply.

Choices:

- A -** Limited flexibility
- B -** Easier maintenance
- C -** Reduces redundancy
- D -** Difficult to understand
- E -** Easy to add new information

References:

Data Normalization Understanding Database Normalization

Moving Data into an Entity

Drag and drop the data into the correct entity.

Steps:

- Step 1:** Drag and drop CompanyName into the first row of the Customer entity
- Step 2:** Drag and drop OrderDate into the first row of the Order entity
- Step 3:** Drag and drop Address into the second row of the Customer entity
- Step 4:** Drag and drop ShipAddress into the second row of the Order entity
- Step 5:** Drag and drop City into the third row of the Customer entity
- Step 6:** Click the submit button

References:

First Normal Form First Normal Form Example 2

First Normal Form Relations

Which are relations to which first normal form are subject? Choose all that apply.

Choices:

- A -** ADD anomalies
- B -** INSERT anomalies
- C -** DELETE anomalies
- D -** UPDATE anomalies

References:

First Normal Form First Normal Form Anomalies

Fully Functionally Dependent Columns

Click the Exhibit button. The Role column is fully functionally dependent on which columns? Choose all that apply.

Choices:

- A -** Job
- B -** Rate
- C -** Proj#
- D -** EMP#

References:

Second and Third Normal Forms Second Normal Form Example