LearnKey

Study Guide for MTA Database Administrator Fundamentals Session 1

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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.

Table Data

In which component of a table is data stored?

Choices:
- **A -**   Cell
- **B -**   Row
- **C -**   Query
- **D -**   Report

References:
Database Tables Tables

Flat File Database Issues

Which are issues which may occur with a flat file database? Choose all that apply.

Choices:
- **A -**   Duplicate data
- **B -**   Data dependence
- **C -**   Two-way encryption
- **D -**   File compatibility problems

References:
Database Relationships Flat File Databases

Data Management Software

Which is a software program that manages all data in a database and its access?

Choices:
- **A -**   DBCC
- **B -**   DBOS
- **C -**   RMDB
- **D -**   RDBMS

References:
Database Relationships Relational Databases

Many-to-Many Relationships

Which item is used to convert many-to-many relationships?

Choices:

A -   Source table

B -   Relation table

C -   Recursive key

D -   Conversion key

References:
Database Relationships M:N Relationships

Define Objects in SQL

Which part of SQL is used to define an object?

Choices:

A -   DSL

B -   DCL

C -   DDL

D -   DML

References:
Understanding DML Structured Query Language

Data Type Selection

When choosing a data type, which elements should be considered? Choose all that apply.

Choices:

A -   Data name

B -   Kind of data

C -   Scale of the number

D -   Length or size of data

E -   Precision of the number

References:
Database Data Types Choosing Data Types

Integer Types

How many data type integers exist?

Choices:

A -   1

B -   2

C -   3

D -   4

References:
Database Data Types Integers

Disk Storage Capacity

The bigint integer type uses how many bytes of disk storage?

Choices:

A -   8

B -   12

C -   16

D -   24

References:
Database Data Types Integers

Numerics

A float 1-24 can store how many digits?

Choices:

A -   5

B -   6

C -   7

D -   8

References:
Database Data Types Approximate Numerics

Accuracy

The DateTime2 function is accurate to within _____.

Choices:

A -   1 minute

B -   1 second

C -   10 nanoseconds

D -   100 nanoseconds

References:
Database Data Types DateTime2(n)

Table Types

Which types of tables are used in SQL Server? Choose all that apply.

Choices:

A -   Wide

B -   System

C -   Temporary

D -   Permanent

E -   Standard user-defined

References:
Creating and Manipulating Tables Table Types

Row Limit

What is the approximate maximum number of characters allowed on a row?

Choices:

A -   25

B -   250

C -   8000

D -   10000

References:
Creating and Manipulating Tables Simple Syntax

Applying UNIQUE Constraints

UNIQUE constraints can be applied to one or more columns.

A - True
B - False

References:
Creating and Manipulating Tables UNIQUE Constraints

WHERE Clauses

Which are types of WHERE clauses? Choose all that apply.

Choices:

A -   List search

B -   Range search

C -   Exact numbers

D -   Unknown values

E -   Character matching

F -   Comparison operators

References:
Filtering Data using Comparisons WHERE Clauses

WHERE Clause Keywords

Which is the keyword for a character matching the WHERE clause?

Choices:

A -   In

B -   Like

C -   NULL

D -   Between

References:
Filtering Data using Comparisons WHERE Clauses