Quiz 2026 CompTIA DS0-001 Marvelous Training Kit

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CompTIA DS0-001 Exam Syllabus Topics:

Topic	Details
Topic 1	• Database Deployment: In this topic, you'll find discussions on database planning and design aspects. It also focuses on the implementation, testing, and deployment phases of databases.
Topic 2	• Business Continuity: Finally, this topic covers the importance of disaster recovery techniques. Moreover, the topic explains backup and restore best practices and processes.
Topic 3	• Database Fundamentals: This topic covers database structure types, SQL code development and modification based on scenarios, comparison of scripting methods and environments, and the impact of programming on database operations.
Topic 4	• Database Management and Maintenance: Here, you'll learn about monitoring and reporting for database management and performance, common database maintenance processes, documentation production, and relevant tools usage. Lastly, the topic focuses on implementing data management tasks.
Topic 5	• Data and Database Security: This topic focuses on data security concepts, governance and regulatory compliance purposes, implementing authentication and authorization policies and best practices. Additionally, the topic discusses database infrastructure security, and understanding types of attacks and their effects on data systems.

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CompTIA DataSys+ Certification Exam Sample Questions (Q41-Q46):

NEW QUESTION # 41
Which of the following is the deployment phase in which a DBA ensures the most recent patches are applied to the new database?

- A. Upgrading
- B. Importing
- C. Modifying
- D. Provisioning

Answer: A

Explanation:
The deployment phase in which a DBA ensures the most recent patches are applied to the new database is upgrading. Upgrading is a process that updates an existing database system or software to a newer version or release that may include new features, enhancements, bug fixes, security patches, etc. Upgrading helps improve the performance, functionality, compatibility, and security of the database system or software. Upgrading can be done manually or automatically using tools or scripts provided by the vendor or developer. Upgrading can also involve testing, backup, migration, or rollback procedures to ensure the quality and reliability of the new version or release. The other options are either different deployment phases or not related to deployment at all. For example, importing is a process that transfers data from one source to another using files or formats; provisioning is a process that allocates resources such as servers, storage, network, etc., for a system or software; modifying is a process that changes existing data or objects in a database using commands or scripts. Reference: CompTIA DataSys+ Course Outline, Domain 2.0 Database Deployment, Objective 2.3 Given a scenario, update database systems.

NEW QUESTION # 42
Which of the following best describes the category of SQL commands required to revoke access to database objects?

- A. DDL
- B. TCL
- C. DML
- D. DCL

Answer: A

Explanation:
The category of SQL commands that is required to revoke access to database objects is DCL.
DCL, or Data Control Language, is a subset of SQL commands that are used to control or manage the access or permissions of users or roles on a database. DCL includes commands such as GRANT and REVOKE.
GRANT is a DCL command that is used to grant privileges or roles to users or roles on specific objects in a database, such as tables, views, procedures, etc. REVOKE is a DCL command that is used to revoke privileges or roles from users or roles on specific objects in a database. For example, the following statement uses the REVOKE command to revoke the SELECT privilege from user Alice on table employee:
REVOKE SELECT ON employee FROM Alice

NEW QUESTION # 43
Which of the following commands is part of DDL?

- A. UPDATE
- B. GRANT
- C. CREATE
- D. INSERT

Answer: C

Explanation:
The command that is part of DDL is CREATE. CREATE is a SQL command that belongs to the category of DDL, or Data

Definition Language. DDL is a subset of SQL commands that are used to define or modify the structure or schema of a database, such as tables, columns, constraints, indexes, views, etc. CREATE is a DDL command that is used to create a new object in a database, such as a table, column, constraint, index, view, etc. For example, the following statement uses the CREATE command to create a new table called employee with four columns:

```
CREATE TABLE employee (
emp_id INT PRIMARY KEY,
emp_name VARCHAR(50) NOT NULL,
emp_dept VARCHAR(20),
emp_salary DECIMAL(10,2)
);
```

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The other options are either part of different categories of SQL commands or not SQL commands at all. For example, UPDATE is a SQL command that belongs to the category of DML, or Data Manipulation Language. DML is a subset of SQL commands that are used to manipulate or modify the data or content of a database, such as inserting, updating, deleting, or selecting data. GRANT is a SQL command that belongs to the category of DCL, or Data Control Language. DCL is a subset of SQL commands that are used to control or manage the access or permissions of users or roles on a database, such as granting or revoking privileges or roles. INSERT is a SQL command that belongs to the category of DML, or Data Manipulation Language. INSERT is a DML command that is used to insert new data into a table.

NEW QUESTION # 44

Which of the following scripts would set the database recovery model for sys.database?

- A.

```
select name, recoverymodel from sys.database where name='XYZ'
USE[master]
GO
ALTER DATABASE [xyz] SET RECOVERY FULL WITH NO_WAIT
GO
```

- B.

```
select name, recoverymodel from sys.database where name='XYZ'
USE[master]
GO
DROP DATABASE [xyz] SET RECOVERY FULL WITH NO_WAIT
GO
```

- C.

```
select name, recoverymodel from sys.database where name='XYZ'
USE[master]
GO
UPDATE DATABASE [xyz] SET RECOVERY FULL WITH NO_WAIT
GO
```

- D.

```
select name, recoverymodel from sys.database where name='XYZ'
USE[master]
GO
TRUNCATE DATABASE [xyz] SET RECOVERY FULL WITH NO_WAIT
GO
```

Answer: A

Explanation:
The script that would set the database recovery model for sys.database is option A. This script uses the ALTER DATABASE statement to modify the recovery model of the sys.database to full with no wait. The other options either have syntax errors, use incorrect keywords, or do not specify the recovery model correctly. Reference: CompTIA DataSys+ Course Outline, Domain 3.0 Database Management and Maintenance, Objective 3.1 Given a scenario, perform common database maintenance tasks.

NEW QUESTION # 45

A database administrator needs to ensure that a newly installed corporate business intelligence application can access the company's transactional data. Which of the following tasks should the administrator perform first?

- A. Set up a nightly FTP data transfer from the database server to the business intelligence application server.
- B. Build a separate data warehouse customized to the business intelligence application's specifications.
- C. Open a new port on the database server exclusively for the business intelligence application.
- D. Send the business intelligence administrator the approved TNS names file to configure the data mapping.
- E. Create a new service account exclusively for the business intelligence application.

Answer: E

Explanation:
The first task that the administrator should perform is to create a new service account exclusively for the business intelligence application. This will ensure that the application has the appropriate permissions and credentials to access the company's transactional data. The other options are either unnecessary, inefficient, or insecure. For example, building a separate data warehouse would require additional resources and time, setting up a nightly FTP data transfer would expose the data to potential breaches, sending the TNS names file would not guarantee that the application can connect to the database, and opening a new port on the database server would create a vulnerability for attackers.

NEW QUESTION # 46

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