

**Exam : Microsoft 70-441**

**Title : Designing Database  
Solutions by Using MS SQL  
Serv 2005**

**Version : Demo**



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1. You need to design a solution for deploying the database to new stores as they are opened. Your solution must minimize the number of steps that are required to make the database ready for use in the production environment.

What should you do?

- A. Replicate the database schema and all lookup data from an existing server to new servers.
- B. Detach the database on an existing server, copy the database files to new servers, and attach the copies on the new servers. Reattach the database on the existing server.
- C. Use SQL Server Integration Services (SSIS) to copy the entire database from an existing server to new servers.
- D. Back up the database on an existing server, and restore the backup to new servers.

**Answer: A**

2. You need to design a solution for controlling changes to database objects on the SQL Server database servers. Your solution must comply with existing company policies and procedures.

What should you do?

- A. Require developers to check in all code changes to a source control database.
- B. Create a single database user account that has permission to change database objects.
- C. Give one developer permissions to change database objects, and enable logging of those changes on the server.
- D. Disable replication of database objects between servers.

**Answer: B**

3. You need to ensure that the XML data that is exported to distributors can be reviewed for accuracy at any time. Your solution must create a minimal amount of additional data.

What should you do?

- A. Create a stored procedure that generates the XML data, and rerun the stored procedure when the XML data needs to be reviewed.
- B. Create a SQL Server Integration Services (SSIS) package that generates the XML data, and rerun the package when the XML data needs to be reviewed.
- C. Store generated XML data in an XML column within a new archival table.
- D. Create a copy of the complete database each time the XML data is generated.

**Answer: C**

4. To improve performance, you need to redesign the StoreReports view, which provides access to aggregated data.

What should you do?

- A. Use a language that supports the .NET Framework to rewrite the view as a stored procedure.
- B. Use Transact-SQL to rewrite the view as a stored procedure.

- C. Add indexes to the view.
- D. Add indexes to the underlying tables that constitute the view.

**Answer: D**

5. You need to design a report that provides consolidated inventory information from selected stores. The report must be designed so that it will display aggregated inventory from only those stores that are selected by the user. Your solution must minimize additional network utilization.

What should you do?

- A. Use SQL Server Integration Services (SSIS) to copy all inventory data from all servers into a single temporary table. Design the report to use the temporary table as its data source and to filter out data from stores that are not selected.
- B. Implement replication so that all servers contain the inventory data from all other servers. Design the report to use the server that is at the same location as the user who is running the report.
- C. Create a parameterized stored procedure that queries the required inventory data and returns the results in a single result set. Design the report to use the stored procedure as its data source.
- D. On each server, create a view that displays that servers inventory data. Design a report that uses the view from each server as a data source for the report and filters out data from stores that are not selected.

**Answer: C**

6. You need to ensure that all newly entered orders are communicated to the shipping system.

What should you do?

- A. Write a COM object that accepts all orders and inserts them directly into the appropriate database tables and into the shipping system.
- B. Create a CLR stored procedure that is used to enter all orders. Write the stored procedure to enter data into the shipping system by using the COM object.
- C. Create a SQL Server Integration Services (SSIS) package to export all orders into a CSV file that is readable by the shipping system. Schedule the package to run hourly.
- D. Write a trigger on the Order table that inserts the order data into the shipping system.

**Answer: B**

7. You need to ensure that products that have an inventory below the specified threshold are not included in the exported XML data that is sent to distributors. Your solution must require the minimum number of changes to any existing database objects.

What should you do?

- A. Write a stored procedure that accepts all inventory changes and that removes products from the database when product inventory falls below the specified threshold.
- B. Write a trigger on the inventory table that updates the exclusion bit column whenever inventory changes are made.

- C. Write a SQL Server Agent job that updates the exclusion bit column based on current inventory.
- D. Write a user-defined function that updates the inventory table and the exclusion bit column, and ensure that all database objects that update inventory use the new function.

**Answer: B**

8. You need to ensure that all orders are entered with complete, consistent, and accurate information.

What should you do?

A. Write a parameterized stored procedure.

Modify any application or object that enters orders so that it will enter orders by using the new stored procedure.

B. Write a COM object that enters orders directly into the appropriate tables.

Modify any application or object that enters orders so that it will enter orders by using the new COM object.

C. Write a managed assembly that enters orders directly into the appropriate tables.

Modify any application or object that enters orders so that it will enter orders by using the new assembly.

D. Modify the permissions of the tables that contain order information so that no end users have direct access to the tables.

**Answer: A**

9. You need to ensure that proper business logic is used when data is provided to reports, so that the reports contain the correct data.

What should you do?

A. Write a Windows application that queries the appropriate data and builds a new table containing this data. Program SSRS to use the new table as a data source.

B. Use SQL Server Integration Services (SSIS) to copy production tables into reporting tables on the same server. Program SSRS to obtain data from the reporting tables.

C. Program SSRS to obtain data by using appropriate Transact-SQL queries.

D. Write one or more parameterized stored procedures that return data. Program SSRS to use the stored procedures and the correct parameters to query data for reports.

**Answer: D**

10. You need to ensure that store managers receive low-inventory e-mail messages. Your solution must minimize additional processing load on the SQL Server computers.

What should you do?

A. Write a Notification Services event that sends e-mail messages to store managers when low-inventory conditions occur for a product.

B. Write an SSRS report listing all low-inventory products, and ensure that the report is sent by e-mail to each store manager.

- C. Write a SQL Server Agent job that sends low-inventory messages by e-mail to store managers.
- D. Write a trigger that runs whenever inventory is updated. Program the trigger to use the sp\_OA family of stored procedures to launch a COM object that sends low-inventory messages by e-mail to store managers.

**Answer: A**

11. You need to design a solution for importing weather-related data from the legacy system into the new weather database tables.

What should you do?

- A. Write a SQL Server Integration Services (SSIS) package to import the data.
- B. Write a Windows Forms application to import the data.
- C. Use the bcp utility to import the data.
- D. Write a managed assembly to import the data.
- E. Write a view that uses linked servers to query the data from the ODBC database.

**Answer: A**

12. You are upgrading the database servers that are used by all of the company's applications. As the first step in the upgrade, you upgrade the development database servers.

You need to verify that the upgrade of the database servers did not introduce any errors into the databases.

What should you do?

- A. Execute unit test scripts for each stored procedure in each database.
- B. Execute the stored procedures in the SQL Server Management Studio debugger, and verify the results.
- C. Set the database compatibility level on the database servers to 80.
- D. Execute the application user interface test scripts to verify proper operation.

**Answer: A**

13. You are designing a performance monitoring plan for the database that supports APP1.

You need to monitor only necessary indicators.

Which indicator or indicators should you include in the baseline? (Choose all that apply.)

- A. response times for frequently used queries
- B. database backup and restore completion times
- C. disk I/O
- D. CPU utilization
- E. network packet size
- F. SOAP requests failed
- G. HTTP authenticated requests

**Answer: ACD**

14. You need to control inadvertent changes to the database objects on the production database servers.

What should you do?

- A. Create DDL triggers to roll back changes to database objects. Disable the DDL triggers during maintenance activities.
- B. Revoke all CREATE, ALTER, and DROP permissions in the databases.
- C. Maintain all source code in a source code management tool.
- D. Script all database objects to individual text files.

**Answer: A**

15. You need to design a database object for APP2 that returns demographic data.

Which two actions should you perform? (Each correct answer presents part of the solution. Choose two.)

- A. Create a computed column named Age that is calculated from the participants date of birth and the date of the survey.
- B. Create a view that includes a computed column named Age that is calculated from the participants date of birth and the date of the survey.
- C. Create a user-defined function that calculates and returns the participants age on the date of the survey.
- D. Create a parameterized stored procedure that returns the participants age on the date of the survey.
- E. Create an index on the Age column.

**Answer: AE**



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