



70-451^{Q&As}

PRO: Designing Database Solutions and Data Access Using Microsoft SQL Server 2008

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**QUESTION 1**

You are a database developer. You plan to design a database solution by using SQL Server 2008. You configure a database on a server to use a common language runtime (CLR). You need to create a CLR assembly that enables the CLR stored procedure to access environment variables available on the server. You also need to ensure that the CLR assembly has the minimum permissions assigned.

What should you do?

- A. Enable the TRUSTWORTHY database property.
- B. Create the assembly by using the SAFE permission set.
- C. Create the assembly by using the UNSAFE permission set.
- D. Create the assembly by using the EXTERNAL ACCESS permission set.

Correct Answer: D

QUESTION 2

You are a database developer. You plan to design a database solution by using SQL Server 2008.

The database contains a table named Products.

The database has two stored procedures named ModifyProduct and RetrieveProducts. ModifyProduct updates a single row in the Products table. RetrieveProducts returns all rows from the Products table.

RetrieveProducts is used by a report. Users who run the report experience contention problems. You discover that RetrieveProducts is being blocked by ModifyProduct.

The report must not include rows that are currently being modified.

You need to ensure that the report is executed as quickly as possible.

Which locking hint should you use in RetrieveProducts?

- A. NOLOCK
- B. NOWAIT
- C. READPAST
- D. READUNCOMMITTED

Correct Answer: C

**QUESTION 3**

You are creating a new update query.

You need to ensure that the query terminates if a shared lock is encountered while the data is updating.

What should you include in the query?

- A. WITH (NOWAIT)
- B. sp_who
- C. OPTION (MERGE JOIN)
- D. sp_lock

Correct Answer: A

QUESTION 4

You have a table in a database that contains 30 million rows. You need to ensure that the table meets the following requirements: What should you do?

- A. Create a filtered index.
- B. Create a clustered index.
- C. Configure Service Broker.
- D. Configure a Full-Text-Search.

Correct Answer: D

QUESTION 5

You are a database developer. You plan to design a database solution by using SQL Server 2008. A database will contain 10 tables that are used to generate reports. Data in the tables ranges from 50,000 to 100,000 records.

During a query execution that joins four tables, you discover the following problems:

You need to identify the most likely cause for the problems by analyzing the execution plan.

What should you do?

- A. Look for table scans in the execution plan.
- B. Look for Merge Join operators in the execution plan.
- C. Look for Hash Match operators in the execution plan.



D. Look for Nested Loops operators in the execution plan.

Correct Answer: C

QUESTION 6

You have a SQL Server Integration Services (SSIS) package that contains an Execute Process task. You need to schedule the SSIS package to run on a regular basis. What should you do?

- A. Create a credential and a login. Configure a SQL Server Agent job to run the package by using the login.
- B. Create a credential and a proxy. Configure a SQL Server Agent job to run the package by using the proxy.
- C. Create a login and map a user to the login. Add the user to the db_owner role. Configure a SQL Server Agent job to run the package by using the login.
- D. Create a login and map the user to a login. Add the user to the db_securityadmin role. Configure a SQL Server Agent job to run the package by using the login.

Correct Answer: B

QUESTION 7

You are designing a CLR stored procedure that will access a remote Web service.

You need to ensure that the CLR stored procedure can access the remote Web service.

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

- A. Grant EXECUTE on the CLR stored procedure.
- B. Implement a custom trust level policy.
- C. Configure the CLR stored procedure to use the SAFE permission set.
- D. Configure the CLR stored procedure to use the EXTERNAL_ACCESS permission set.

Correct Answer: BD

QUESTION 8

You are a database developer. You plan to create a database by using SQL Server 2008. The database will store information about students, teachers, classes, and rooms in a school. The database will be used by a scheduling application.

In the design plan, the following facts have to be considered:



You identify the following entities for the database design:

You need to design the database to ensure normalization. What should you do?

- A. 1. Add a new entity named TeachersStudents. 2. Establish a relationship between the Teachers and Students entities by using the TeachersStudents entity.
- B. 1. Add a new entity named ClassesRooms. 2. Establish a relationship between the Classes and Rooms entities by using the ClassesRooms entity.
- C. 1. Add a new entity named TeachersRooms. 2. Establish a relationship between the Teachers and Rooms entities by using the TeachersRooms entity.
- D. 1. Create a new entity named StudentsRooms. 2. Establish a relationship between the Students and Rooms entities by using the StudentsRooms entity.

Correct Answer: B

QUESTION 9

You are a database developer. You plan to design a database solution by using SQL Server 2008.

A database contains a stored procedure that is created by using the following DDL code segment.

```
CREATE PROC SP1
AS
BEGIN TRY
    BEGIN TRANSACTION
    INSERT INTO Products ...
    UPDATE Sales ...
    COMMIT TRANSACTION
END TRY
BEGIN CATCH
    ROLLBACK TRANSACTION
END CATCH;
RETURN
```

You discover that the UPDATE statement occasionally throws an exception that causes the entire transaction to roll back. You need to ensure that when the UPDATE statement causes an exception, SP1 performs the following tasks:

What should you do?

- A. Add a TRY/CATCH block after the INSERT statement. Place the UPDATE statement inside the new TRY block. Add a ROLLBACK TRANSACTION statement inside the new CATCH block.
- B. Add a TRY/CATCH block after the INSERT statement. Place the UPDATE statement inside the new TRY block. Add error-handling code inside the new CATCH block.
- C. Add an XACT_ABORT ON statement to the first line of the procedure.



D. Add a SAVE TRANSACTION TR1 statement after the INSERT statement. Add a TRY/CATCH block after the SAVE TRANSACTION TR1 statement. Place the UPDATE statement inside the new TRYblock. Add a ROLLBACK TRANSACTION TR1 statement inside the new CATCH block.

Correct Answer: D

QUESTION 10

You need to design a database solution that meets the following requirements: Which SQL Server component should you use?

- A. SQL Server Agent
- B. SQL Mail
- C. Notification Services
- D. Service Broker

Correct Answer: D

QUESTION 11

You have a table that has five varchar columns.

You are designing an application that requires data in well-formed XML. You need to design a query statement that will produce the data in well-formed XML.

What should you use?

- A. FOR XML PATH
- B. sp_xml_preparedocument
- C. XPATH query
- D. XSD schema

Correct Answer: A

QUESTION 12

You have an office in Tokyo and an office in New York. Each office contains a server that runs SQL Server 2008 Enterprise. The New York office contains a central database that is mirrored to the Tokyo office for high- availability.

You need to recommend a solution that enables users in the Tokyo office to generate reports locally. The solution must minimize WAN utilization.



What should you recommend?

- A. Implement a failover cluster.
- B. Create distributed partitioned views.
- C. Create database snapshots.
- D. Implement snapshot replication.

Correct Answer: C

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