

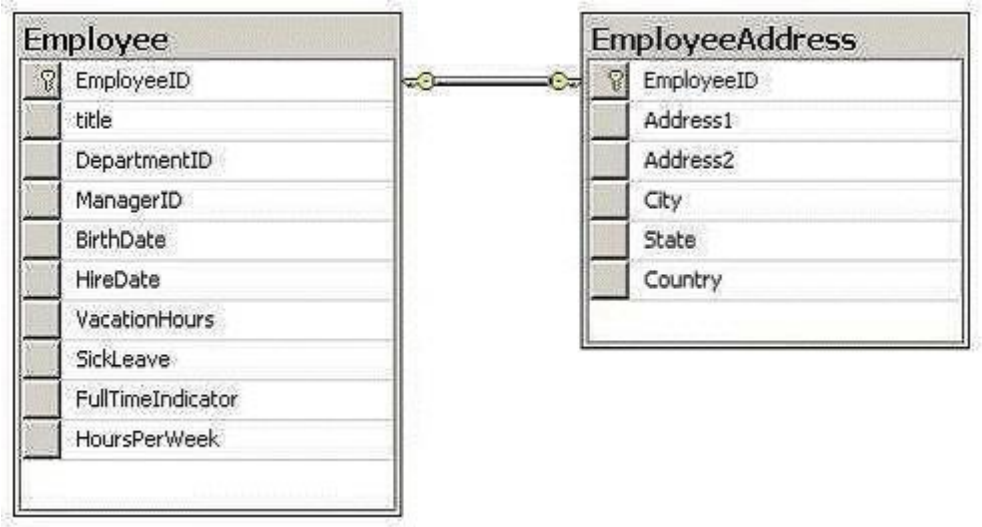
Vendor: Microsoft

Exam Code: 70-451

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

Version: DEMO

QUESTION 1
You are a database developer. You develop a database application for a SQL Server 2008 instance.



The instance hosts a third-party database. You are not allowed to modify the database schema. The database contains two tables that are as shown in the following diagram. You plan to extract address information about full-time employees based on the FullTimeIndicator flag. You need to design a data access layer to simplify the extraction process. What should you do?

A. Design an Entity Data Model that contains the EMPLOYEES and ADDRESS entities.
B. Create a view on the database to include full-time employees and their address details.
C. Re-design the underlying database model to include employee and address information in one table.
D. Design a conceptual Entity Data Model that contains an entity named EMPLOYEE_ADDRESS. Ensure that this entity contains information about employees and their addresses.

Answer: D

QUESTION 2
You are a database developer. You develop a task management application that connects to a SQL Server 2008 database named TaskDB. Users log on to the application by using a SQL Server login. The application contains a module named Task that assigns tasks to users. Information about these tasks is stored in the Tasks table of the TaskDB database. The Tasks table contains multiple columns. These include the CloseDate and EstimatedTime columns.

- Users assigned to a database role named User1 can update all task information columns except the CloseDate and the EstimatedTime columns in the Tasks table.
- Administrative users assigned to a database role named Task_Admin can update all task information in the Tasks table.

You need to design a strategy to meet the security requirements. Which two actions should you perform? (Each correct answer presents part of the solution. Choose two.)

A. Add the Task_Admin role to the db_accessadmin fixed database role.
B. Grant Update permissions on the Tasks table to the Task_Admin role.
C. Grant Update permissions on the Tasks table to the User1 role for each column except the CloseDate

and EstimatedTime columns.

D. Create an INSTEAD OF trigger on the Tasks Table. Use the Is_Member function to prevent the User1 role from updating the CloseDate and EstimatedTime columns.

Answer: BC

QUESTION 3
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.

Answer: B

QUESTION 4
You plan to deploy a new application.
The application will perform the following operations:

- Create a new database
- Add new logins
- Back up the new database

You need to configure a login to support the deployment of the new application. The solution must ensure that the application uses the most restrictive permissions possible. What should you do?

A. Add the login to the sysadmin server role.
B. Add the login to the dbcreator and securityadmin server roles.
C. Add the login to the diskadmin and securityadmin server roles. Once the database is created, add a user to the db_backupoperator database role.
D. Add the login to the diskadmin and serveradmin server roles. Once the database is created, add a user to the db_backupoperator database role.

Answer: B

QUESTION 5
You are designing a maintenance strategy for a database that contains several views. The views will be assigned custom permissions. You need to recommend a solution that will allow developers to modify the views without affecting the views' existing permissions. What should you recommend?

A. Create a new view.
B. Alter the existing view.
C. Rename the existing view.
D. Drop the existing view and then recreate the view.

Answer: B

QUESTION 6
You need to create a Service Broker solution. Which object should you create first?

A. Contract
B. Dialog
C. Message Type
D. Services

Answer: C

QUESTION 7
You plan to create a Service Broker solution. The solution will transport data from one queue to another queue. You need to identify which message type must be used to transport binary data. The solution must minimize the amount of data transported. Which message type should you use?

A. EMPTY
B. NONE
C. VALID_XML WITH SCHEMA COLLECTION
D. WELL_FORMED_XML

Answer: B

QUESTION 8
You are a database developer. You plan to design a database solution by using SQL Server 2008. You have a Web site supported by a database that has the full-text search component installed. You plan to create a table named Courses that will have the following structure.

Column Name	Data Type
CourseID	Integer
CourseTitle	Varchar(500)
CourseDescription	Varchar(4000)
AuthorID	Integer

Users of the Web site will search for courses based on the CourseTitle field. You need to construct a full-text query that ensures the following compliances when a user launches the search for a course:

- Rows are returned when the exact search phrase is found.
- Rows are in order of how well they match with the search phrase.

What should you specify in the full-text query?

A. A FREETEXT predicate
B. A CONTAINS predicate
C. A FREETEXTTABLE function
D. A CONTAINSTABLE function

Answer: D

QUESTION 9
You are a database solutions architect. Your company plans to develop a solution by using a SQL Server 2008 instance. You design a new database that contains a table to store Microsoft Office documents. You have the following business requirements:

- The documents are part of the database backup.
- The snapshots of the database are used.

You need to use an appropriate data type to store the documents.
Which data type should you use?

A. varchar(max)
B. nvarchar(max)
C. varbinary(max)
D. varbinary(max) by using the FILESTREAM attribute

Answer: C

QUESTION 10
You are a database developer. You plan to design a database solution by using SQL Server 2008. You create a table that contains information about Web pages that are added to a Web site. The Web site has a home page and contains various other Web pages. The home page is the root page of the site. All pages except the root page have a link to an upper-level page. The table must support the following design considerations:

- Records of the Web pages that are linked to a particular page can be quickly retrieved.
- The position of a Web page in a collection of linked pages can be quickly retrieved.
- Changing the links to the upper-level pages is a rare requirement.

You need to ensure that the table is designed appropriately.
What should you use?

A. Use the XML data type.
B. Use the hierarchyid data type.
C. Use a Parent/Child mechanism that references the same table.
D. Use a Parent/Child mechanism that references one or more additional tables.

Answer: B

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