Microsoft MCSE 70-466 Exam

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Exam Code: 70-466

Exam Name: Implementing Data Models and Reports with Microsoft SQL Server 2012
QUESTION 1
You are working with a SQL Server Reporting Services (SSRS) instance in native mode. An item role named Developer is present on the server. The Developer role cannot view and modify report caching parameters. You need to ensure that the Developer role can view and modify report caching parameters. Which task should you add to the Developer role?

A. View data sources
B. Manage individual subscriptions
C. Manage all subscriptions
D. Manage report history

Correct Answer: D

QUESTION 2
You are developing a SQL Server Reporting Services (SSRS) report that renders in HTML. The report includes a dataset with fields named Description, Price, and Color. The report layout includes a table that displays product details and also includes columns named Description, Price, and Color. You need to modify the report so that users can sort products by the Price column. What should you do?

A. Add a group for the Price field.
B. Add a custom action to the Price text box.
C. Set the SortExpression property to =Fields!Price.Name for the Price text box.
D. Set the SortExpression property to =Fields!Price.Value for the Price text box.
E. Set the SortExpression value to =Fields!Price.Description for the Price text box.
F. In the Expression dialog box for the Price text box, enter the =SortBy Fields!Price.Value expression.
G. On the Row Visibility dialog box, select the Display can be toggled by this report item check box. Then select the Price text box.
H. In the Interactive Sorting page of the Price text box properties, select the Enable interactive sorting on this text box check box, and then select the Price field for the Sort by property.

Correct Answer: DH

QUESTION 3
You are developing a SQL Server Analysis Services (SSAS) tabular project. The model includes a table named Sales. The Sales table includes a single date column.

The Sales table must meet the following requirements:

- Queries must be able to return all rows.
- Must be able to support four different processing schedules for different date ranges.
- Date ranges must not include any overlapping data.

You need to implement a solution that meets the requirements. What should you do?

A. Convert the Sales table into four smaller tables by using row filter queries. Use one perspective for each of the four tables.
B. Create four partitions for the Sales table. Use row filter queries for each partition.
C. Convert the Sales table into four smaller tables by using row filter queries. Use one perspective for all four tables.
D. Create four partitions for the Sales table. Create four roles. Use the same row filter queries for each role and partition.

Correct Answer: B

QUESTION 4
You are modifying a SQL Server Analysis Service (SSAS) cube. The cube consist of a single measure group that contains the following measures:

- Total Quantity On Hand
- Average Quantity On Hand

The measure group has a single partition that uses the MOLAP storage mode. You need to modify the cube design to ensure that the Total Quantity On Hand measure is updated in real-time and that Average Quantity On Hand measure is updated hourly. What should you do?

A. Create a new measure group for the Average Quantity On Hand measure. Configure the storage mode for the new measure group’s partition to ROLAP.
B. Change the storage mode of the partition to use proactive caching with minimum latency.
C. Create a new measure group for the Total Quantity On Hand measure. Configure the storage mode for the new measure group’s partition to ROLAP.
D. Create an XMLA script that will process the cube and then use SQL Server Agent to execute the script continuously.

Correct Answer: C

QUESTION 5
You are developing a BI Semantic Model (BISM) based on a simple and small dataset sourced from SQL Server. The data size and complexity of the data relationships will not change. The model will be used to produce reports in Power View. You need to use an appropriate project type. Which project types should you use? (Each answer presents a complete solution. Choose all that apply.)

A. a tabular project that uses the DirectQuery query mode
B. a tabular project that uses the In-Memory query mode  
C. a multidimensional project that uses the ROLAP storage mode  
D. a multidimensional project that uses the MOLAP storage mode  
E. a PowerPivot workbook that is deployed to Microsoft SharePoint Server 2010  

**Correct Answer: ABE**

**QUESTION 6**
You manage an environment that has SharePoint Server 2010 and a SQL Server Reporting Services (SSRS) instance in SharePoint integrated mode. Several report subscriptions are configured to deliver reports through a shared folder by using a shared schedule. The shared folder will be going offline. You need to temporarily suspend the shared schedule until the shared folder is brought back online. What should you do?

A. In SharePoint Central Administration, pause the shared schedule.  
B. Open Report Manager and then pause the shared schedule.  
C. In SharePoint Central Administration, delete the shared schedule.  
D. Open Report Manager and then delete the shared schedule.  

**Correct Answer: A**

**QUESTION 7**
You are developing a SQL Server Analysis Services (SSAS) tabular project. The model includes a table named DimEmployee. The table contains employee details, including the sales territory for each employee. The table also defines a column named EmployeeAlias which contains the Active Directory Domain Services (AD DS) domain and logon name for each employee. You create a role named Employees. You need to configure the Employees roles so that users can query only sales orders for their respective sales territory. What should you do?

A. Add a row filter that implements the LOOKUPVALUE and CUSTOMDATA functions.  
B. Add a row filter that implements the LOOKUPVALUE and USERNAME functions.  
C. Add a row filter that implements only the USERNAME function.  
D. Add a row filter that implements only the CUSTOMDATA function.  

**Correct Answer: B**

**QUESTION 8**
You are developing a SQL Server PowerPivot workbook that sources data from a SQL Azure database. The PowerPivot model includes a single table named FactSales that consists of four columns named Year, Country, Product, and Revenue.

The model includes the following two measures:

- Sales:=SUM(FactSales[Revenue])
- Sales %:=[Sales] / CALCULATE([Sales], ALL(FactSales))

In Microsoft Excel 2010 you create the following PivotTable report.

Users report that the Sales % measure computes an incorrect ratio. The measure should meet a requirement to compute a ratio over all visible sales values defined by the query filters. The Grand Total value for the Sales % measure should equal 100%. You need to fix the Sales % measure to meet the requirement. Which Data Analysis Expressions (DAX) expression should you use?

A. =/[Sales] / CALCULATE([Sales], VALUES(FactSales[Year]), VALUES(FactSales[Country]))
B. =/[Sales] / CALCULATE([Sales])
C. =/[Sales] / [Sales](ALLEXCEPT(FactSales, FactSales[Year]))
D. =/[Sales] / [Sales], (ALLSELECTED(FactSales))

Correct Answer: D

QUESTION 9
You are developing a SQL Server Analysis Services (SSAS) cube for the accounts department. You
create a measure group named Exchange Rate that consists of measures pertaining to currency exchange rates. One of the measures in this group is named Average Rate and it will be used to report the average currency exchange rate over time. Currently the AggregationFunction property for the Average Rate measure is set to Sum. You need to ensure that Average Rate measure reports the average of the currency exchange rate over time. Which value should you select for the AggregationFunction property for the Average Rate measure? To answer, select the appropriate setting in the answer area.

A. Sum  
B. Count  
C. Min  
D. Max  
E. DistinctCount  
F. None  
G. ByAccount  
H. AverageOfChildren  
I. FirstChild  
J. LastChild  
K. FirstNonEmpty

Correct Answer: H

QUESTION 10
You manage an environment that has SharePoint Server 2010 and a SQL Server Reporting Services
(SSRS) instance in SharePoint integrated mode. Several report subscriptions are configured to deliver reports through email by using a shared schedule. The email server will be going offline. You need to temporarily suspend the shared schedule until the email server is brought back online. What should you do?

A. In Report Manager, pause the shared schedule.
B. In Report Manager, delete the shared schedule.
C. In SharePoint Central Administration, delete the shared schedule.
D. In SharePoint Central Administration, pause the shared schedule.

Correct Answer: D

QUESTION 11
You are developing a SQL Server Analysis Services (SSAS) tabular database. To maximize performance, queries must be resolved only by using cache. You need to configure the appropriate query mode. Which query mode should you select?

A. DirectQuery with In-Memory
B. DirectQuery
C. In-Memory
D. In-Memory with DirectQuery

Correct Answer: C

QUESTION 12
You are developing a BI Semantic Model (BISM) based on a simple and small dataset sourced from SQL Server. The data size and complexity of the data relationships will not change. The model will be used to produce reports in Power View. The reports will show the relationship between product sales and rainfall over time. You need to use an appropriate project type. Which project types should you use? (Each answer presents a complete solution. Choose all that apply.)

A. a tabular project that uses the DirectQuery query mode
B. a tabular project that uses the In-Memory query mode
C. a multidimensional project that uses the ROLAP storage mode and columnstore indexes
D. a multidimensional project that uses the MOLAP storage mode and proactive cache
E. a PowerPivot workbook that is deployed to Microsoft SharePoint Server 2010

Correct Answer: ABE

QUESTION 13
You are developing a SQL Server Analysis Services (SSAS) tabular project. A model defines a
A measure named Profit and includes a table named Date. The table includes year, semester, quarter, month, and date columns. The Date column is of data type Date. The table contains a set of contiguous dates. You need to create a measure to report on year-over-year growth of profit. What should you do? (Each answer presents a complete solution. Choose all that apply.)

A. Use the Business Intelligence Wizard and then use the Define time intelligence enhancement.
B. Define the following calculation. Year Over Year Profit Growth:=CALCULATE([Profit], DATEADD('Date'[Date], 1, YEAR))
C. Define the following calculation. Year Over Year Profit Growth:=[Profit] - CALCULATE([Profit], SAMEPERIODLASTYEAR('Date'[Date]))
D. Define the following calculation. Year Over Year Profit Growth:=[Profit] - CALCULATE([Profit], PARALLELPERIOD('Date'[Date], -12, MONTH))

Correct Answer: CD

QUESTION 14
You are conducting a design review of a multidimensional project. In the geography dimension, all non-key attributes relate directly to the key attribute. The underlying data of the geography dimension supports relationships between attributes. You need to increase query and dimension processing performance. What should you do?

A. For the dimension attributes of the geography dimension, define appropriate attribute relationships.
B. For the geography dimension, set the ProcessingMode property to LazyAggregations.
C. For the geography dimension, set the ProcessingPriority property to 1.
D. For the dimension attributes of the geography dimension, set the GroupingBehavior property to EncourageGrouping.

Correct Answer: A

QUESTION 15
You are developing a SQL Server Analysis Services (SSAS) cube. The cube contains several dimensions, a local measure group, and a linked measure group. Both measure groups use MOLAP partitions. You need to write-enable one of the linked measure group partitions to support Microsoft Excel 2010 PivotTable What-If Analysis. What should you do before the partition can be write-enabled?

A. Ensure that the measure group measures only use semiadditive aggregation functions.
B. Implement the linked measure group as a local measure group.
C. Implement the cube as a local cube.
D. Ensure that the measure group measures only use nonadditive aggregation functions.
Correct Answer: B

QUESTION 16
You are developing a BI Semantic Model (BISM) that retrieves data from several sources including a SQL Azure database and an OData data feed. The model will be deployed to a server with significantly more memory than the total size of the source data. You have the data feed URL, which you will use when developing the model in SQL Server Data Tools (SSDT).

The model must meet the following requirements:

- Maximize performance
- Data latency of up to one month is acceptable

You need to choose a project type and a data access mode to meet the requirements. What should you do?

A. Select the tabular project type and use the In-Memory query mode.
B. Select the multidimensional project type and use the MOLAP storage mode.
C. Select the multidimensional project type and use the ROLAP storage mode.
D. Select the tabular project type and use the DirectQuery query mode.

Correct Answer: A

QUESTION 17
You are developing a SQL Server Analysis Services (SSAS) tabular project for a Power View solution. You need to grant permission for salespersons to view only the data based on their sales territory. What should you do?

A. Create a member and then create a Multidimensional Expressions (MDX) filter.
B. Create a member and then create a Data Analysis Expressions (DAX) filter.
C. Use SQL Server Management Studio to create a role. Then create a Multidimensional Expressions (MDX) filter.
D. Use SQL Server Management Studio to create a role. Then create a Data Analysis Expressions (DAX) filter.

Correct Answer: D

QUESTION 18
You are working with a SQL Server Reporting Services (SSRS) instance in native mode. An item role named Reports Writer is present on the server. The Reports Writer role cannot view and modify
report caching parameters. You need to ensure that the Reports Writer role can view and modify report caching parameters. What should you do?

A. Add the Manage individual subscriptions task to the Reports Writer role.
B. Add the Manage all subscriptions task to the Reports Writer role.
C. Add the View data sources task to the Reports Writer role.
D. Add the Manage report history task to the Reports Writer role.

Correct Answer: D

QUESTION 19
You are developing a multidimensional project that includes a dimension named Organization. The dimension is based on the DimOrganization table in the data warehouse.

The following diagram illustrates the table design.

![DimOrganization Diagram]

The Organization dimension includes a parent-child hierarchy named Organizations.

The dimension includes the following dimension attributes:

- Organization, which is a key attribute
- Organizations, which defines the parent-child hierarchy
- Currency Code, which is a regular attribute

When users browse the dimension, three hierarchies are visible to them. You need to ensure that the Organization hierarchy is not visible to users. What should you do?

A. Set the AttributeHierarchyDisplayFolder property to Null for the Organization attribute.
B. Set the AttributeHierarchyEnabled property to False for the Organization attribute.
C. Delete the Organization attribute.
D. Set the AttributeHierarchyVisible property to False for the Organization attribute.

Correct Answer: D
QUESTION 20
A multinational retailer has retail locations on several continents. A single SQL Server Reporting Services (SSRS) instance is used for global reporting. A SQL Server Analysis Services (SSAS) instance for each continent hosts a multidimensional database named RevenueData. Each RevenueData database stores data only for the continent in which it resides. All of the SSAS instances are configured identically.

The cube names and objects are identical. Reports must meet the following requirements:

- A report parameter named ServerName must be defined in each report.
- When running a report, users must be prompted to select a server instance.
- The report data source must use the Microsoft SQL Server Analysis Services data source type.

You need to create a data source to meet the requirements. How should you define the expression that is assigned to the connection string property of the data source?

A. "Data Source=" & Parameters!ServerName.Value & ";Initial Catalog=RevenueData"
B. "Data Source=@ServerName;Initial Catalog=RevenueData"
C. "Server=@ServerName;Initial Catalog=RevenueData"
D. "Server=" & Parameters!ServerName.Value & ";Initial Catalog=RevenueData"
E. "Server=" & Parameters!ServerName.Value

Correct Answer: A

QUESTION 21
You are modifying a SQL Server Analysis Services (SSAS) cube. Users of the cube report that the precision for the TransactionCost measure is five digits. You need to ensure that the TransactionCost measure stores values to two digits of precision. What should you do?

A. Add a named query in the data source view that casts the data source column to two digits of precision. Bind the TransactionCost measure to the new query.
B. Add a named calculation in the data source view that casts the data source column to two digits of precision. Bind the TransactionCost measure to the new column.
C. Use the FormatString measure property to format TransactionCost as #,##0.00;#,##0.00.
D. Use the MeasureExpression measure property to change the precision of TransactionCost to two digits.
E. Use the FormatString measure property to format TransactionCost as Currency.

Correct Answer: B

QUESTION 22
A multinational retailer has retail locations on several continents. A single SQL Server Reporting Services (SSRS) instance is used for global reporting. A SQL Server Analysis Services (SSAS) instance for each continent hosts a multidimensional database named RetailSales. Each RetailSales database
stores data only for the continent in which it resides. All of the SSAS instances are configured identically. The cube names and objects are identical.

Reports must meet the following requirements:

- A report parameter named ServerName must be defined in each report.
- When running a report, users must be prompted to select a server instance.
- The report data source must use the Microsoft SQL Server Analysis Services data source type.

You need to create a data source to meet the requirements. How should you define the expression that is assigned to the connection string property of the data source?

A. "Data Source=@ServerName;Initial Catalog=RetailSales"
B. "Server=@ServerName;Initial Catalog=RetailSales"
C. "Data Source=" & Parameters!ServerName.Value & ";Initial Catalog=RetailSales"
D. "Server=" & Parameters!ServerName.Value & ";Initial Catalog=RetailSales"
E. "Server=" & Parameters!ServerName.Value

Correct Answer: C

QUESTION 23
You install SQL Server Reporting Services (SSRS). You need to restore a copy of the symmetric key. Which command should you run?

A. rskeymgmt -a -f %temp%\rs.key -p Password1
B. rskeymgmt -e -f %temp%\rs.key -p Password1
C. rskeymgmt i
D. rskeymgmt d

Correct Answer: A

QUESTION 24
Note: This question is part of a series of questions that use the same set of answer choices. An answer choice may be correct for more than one question in the series.

You are designing a SQL Server Analysis Services (SSAS) cube. You need to create a measure to
count unique customers. What should you do?

A. Add a hidden measure that uses the Sum aggregate function. Add a calculated measure aggregating the measure along the time dimension.

B. Create a dimension. Then add a cube dimension and link it several times to the measure group.

C. Create several dimensions. Add each dimension to the cube.

D. Create a dimension with one attribute hierarchy. Set the IsAggregatable property to False and then set the DefaultMember property. Use a regular relationship between the dimension and measure group.

E. Create a new named calculation in the data source view to calculate a rolling sum. Add a measure that uses the Max aggregate function based on the named calculation.

F. Add a calculated measure based on an expression that counts members filtered by the Exists and NonEmpty functions.

G. Create a dimension. Create regular relationships between the cube dimension and the measure group. Configure the relationships to use different dimension attributes.

H. Add a measure that uses the Count aggregate function to an existing measure group.

I. Use the Business Intelligence Wizard to define dimension intelligence.

J. Add a measure group that has one measure that uses the DistinctCount aggregate function.

K. Add a measure that uses the LastNonEmpty aggregate function. Use a regular relationship between the time dimension and the measure group.

L. Create a dimension with one attribute hierarchy. Set the ValueColumn property, set the IsAggregatable property to False, and then set the DefaultMember property. Configure the cube dimension so that it does not have a relationship with the measure group. Add a calculated measure that uses the MemberValue attribute property.

M. Create a dimension with one attribute hierarchy. Set the IsAggregatable property to False and then set the DefaultMember property. Use a many-to-many relationship to link the dimension to the measure group.

N. Use role playing dimensions.

O. Add a measure that uses the DistinctCount aggregate function to an existing measure group.

**Correct Answer: J**
The dimension table contains three rows for the following scenarios:

- Actual
- Budget Q1
- Budget Q3

You need to create a dimension to allow users to view and compare data by scenario. What should you do?

A. Create a dimension. Create regular relationships between the cube dimension and the measure group. Configure the relationships to use different dimension attributes.
B. Add a measure that uses the DistinctCount aggregate function to an existing measure group.
C. Add a calculated measure based on an expression that counts members filtered by the Exists and NonEmpty functions.
D. Create a new named calculation in the data source view to calculate a rolling sum. Add a measure that uses the Max aggregate function based on the named calculation.
E. Add a hidden measure that uses the Sum aggregate function. Add a calculated measure aggregating the measure along the time dimension.
F. Create a dimension. Then add a cube dimension and link it several times to the measure group.
G. Create a dimension with one attribute hierarchy. Set the IsAggregatable property to False and then set the DefaultMember property. Use a many-to-many relationship to link the dimension to the measure group.
H. Use the Business Intelligence Wizard to define dimension intelligence.
I. Add a measure that uses the Count aggregate function to an existing measure group.
J. Use role playing dimensions.
K. Add a measure group that has one measure that uses the DistinctCount aggregate function.
L. Create a dimension with one attribute hierarchy. Set the IsAggregatable property to False and then set the DefaultMember property. Use a regular relationship between the dimension and measure group.
M. Add a measure that uses the LastNonEmpty aggregate function. Use a regular relationship between the time dimension and the measure group.
N. Create several dimensions. Add each dimension to the cube.
O. Create a dimension with one attribute hierarchy. Set the ValueColumn property, set the IsAggregatable property to False, and then set the DefaultMember property. Configure the cube dimension so that it does not have a relationship with the measure group. Add a calculated measure that uses the MemberValue attribute property.

Correct Answer: L

**QUESTION 26**

Note: This question is part of a series of questions that use the same set of answer choices. An answer choice may be correct for more than one question in the series.
You are creating a SQL Server Analysis Services (SSAS) cube. You need to create a time dimension.

- It must be linked to a measure group named Sales at the day granularity level.
- It must also be linked to a measure group named Salary at the month granularity level.

What should you do?

A. Create a new named calculation in the data source view to calculate a rolling sum. Add a measure that uses the Max aggregate function based on the named calculation.
B. Add a measure group that has one measure that uses the DistinctCount aggregate function.
C. Create a dimension with one attribute hierarchy. Set the IsAggregatable property to False and then set the DefaultMember property. Use a many-to-many relationship to link the dimension to the measure group.
D. Create a dimension. Then add a cube dimension and link it several times to the measure group.
E. Use role playing dimensions.
F. Add a calculated measure based on an expression that counts members filtered by the Exists and NonEmpty functions.
G. Create a dimension with one attribute hierarchy. Set the ValueColumn property, set the IsAggregatable property to False, and then set the DefaultMember property. Configure the cube dimension so that it does not have a relationship with the measure group. Add a calculated measure that uses the MemberValue attribute property.
H. Add a hidden measure that uses the Sum aggregate function. Add a calculated measure aggregating the measure along the time dimension.
I. Add a measure that uses the DistinctCount aggregate function to an existing measure group.
J. Create several dimensions. Add each dimension to the cube.
K. Create a dimension with one attribute hierarchy. Set the IsAggregatable property to False and then set the DefaultMember property. Use a regular relationship between the dimension and measure group.
L. Create a dimension. Create regular relationships between the cube dimension and the measure group. Configure the relationships to use different dimension attributes.
M. Use the Business Intelligence Wizard to define dimension intelligence.
N. Add a measure that uses the LastNonEmpty aggregate function. Use a regular relationship between the time dimension and the measure group.
O. Add a measure that uses the Count aggregate function to an existing measure group.

Correct Answer: L

QUESTION 27

Note: This question is part of a series of questions that use the same set of answer choices. An answer choice may be correct for more than one question in the series.

You are creating a SQL Server Analysis Services (SSAS) multidimensional database. Users need a time dimension for:

- Dates
You need to implement the minimum number of required SSAS objects. What should you do?

A. Create a dimension. Create regular relationships between the cube dimension and the measure group. Configure the relationships to use different dimension attributes.
B. Add a measure that uses the LastNonEmpty aggregate function. Use a regular relationship between the time dimension and the measure group.
C. Add a measure group that has one measure that uses the DistinctCount aggregate function.
D. Use role playing dimensions.
E. Create a dimension with one attribute hierarchy. Set the IsAggregatable property to False and then set the DefaultMember property. Use a many-to-many relationship to link the dimension to the measure group.
F. Add a measure that uses the Count aggregate function to an existing measure group.
G. Create several dimensions. Add each dimension to the cube.
H. Add a hidden measure that uses the Sum aggregate function. Add a calculated measure aggregating the measure along the time dimension.
I. Add a calculated measure based on an expression that counts members filtered by the Exists and NonEmpty functions.
J. Create a new named calculation in the data source view to calculate a rolling sum. Add a measure that uses the Max aggregate function based on the named calculation.
K. Create a dimension. Then add a cube dimension and link it several times to the measure group.
L. Create a dimension with one attribute hierarchy. Set the ValueColumn property, set the IsAggregatable property to False, and then set the DefaultMember property. Configure the cube dimension so that it does not have a relationship with the measure group. Add a calculated measure that uses the MemberValue attribute property.
M. Add a measure that uses the DistinctCount aggregate function to an existing measure group.
N. Create a dimension with one attribute hierarchy. Set the IsAggregatable property to False and then set the DefaultMember property. Use a regular relationship between the dimension and measure group.
O. Use the Business Intelligence Wizard to define dimension intelligence.

Correct Answer: D

QUESTION 28
Note: This question is part of a series of questions that use the same set of answer choices. An answer choice may be correct for more than one question in the series.

You are developing a Microsoft SQL Analysis Services (SSAS) multidimensional project. A fact table named FactHouseSales has a measure column named Area. All values in the column are stored in square feet. Users must be able to analyze the area in different units. You create a table named AreaUnit. Each row in the table consists of the unit name and a square feet conversion factor value. You need to implement the area conversion in the project. What should you do?
A. Add a measure that uses the LastNonEmpty aggregate function. Use a regular relationship between the time dimension and the measure group.
B. Create several dimensions. Add each dimension to the cube.
C. Add a measure group that has one measure that uses the DistinctCount aggregate function.
D. Create a dimension with one attribute hierarchy. Set the IsAggregatable property to False and then set the DefaultMember property. Use a many-to-many relationship to link the dimension to the measure group.
E. Add a calculated measure based on an expression that counts members filtered by the Exists and NonEmpty functions.
F. Use the Business Intelligence Wizard to define dimension intelligence.
G. Create a dimension. Create regular relationships between the cube dimension and the measure group. Configure the relationships to use different dimension attributes.
H. Use role playing dimensions.
I. Create a dimension with one attribute hierarchy. Set the ValueColumn property, set the IsAggregatable property to False, and then set the DefaultMember property. Configure the cube dimension so that it does not have a relationship with the measure group. Add a calculated measure that uses the MemberValue attribute property.
J. Create a new named calculation in the data source view to calculate a rolling sum. Add a measure that uses the Max aggregate function based on the named calculation.
K. Create a dimension. Then add a cube dimension and link it several times to the measure group.
L. Add a hidden measure that uses the Sum aggregate function. Add a calculated measure aggregating the measure along the time dimension.
M. Add a measure that uses the Count aggregate function to an existing measure group.
N. Add a measure that uses the DistinctCount aggregate function to an existing measure group.
O. Create a dimension with one attribute hierarchy. Set the IsAggregatable property to False and then set the DefaultMember property. Use a regular relationship between the dimension and measure group.

Correct Answer: I

QUESTION 29
Note: This question is part of a series of questions that use the same set of answer choices. An answer choice may be correct for more than one question in the series.

You are developing a SQL Server Analysis Services (SSAS) cube. The data warehouse has a table named FactStock that is used to track movements of stock. A column named MovementQuantity contains quantities of stock. A positive quantity is used for input and negative quantity is used for output. A column named MovementDate is related to the time dimension. The quantity in stock, at a given point in time, can be evaluated as the sum of all MovementQuantity values at that point in time. You need to create a measure that calculates the quantity in stock value. What should you
do?

A. Create several dimensions. Add each dimension to the cube.
B. Add a measure that uses the DistinctCount aggregate function to an existing measure group.
C. Create a dimension. Create regular relationships between the cube dimension and the measure group. Configure the relationships to use different dimension attributes.
D. Add a measure that uses the LastNonEmpty aggregate function. Use a regular relationship between the time dimension and the measure group.
E. Use the Business Intelligence Wizard to define dimension intelligence.
F. Add a calculated measure based on an expression that counts members filtered by the Exists and NonEmpty functions.
G. Create a dimension. Then add a cube dimension and link it several times to the measure group.
H. Create a new named calculation in the data source view to calculate a rolling sum. Add a measure that uses the Max aggregate function based on the named calculation.
I. Create a dimension with one attribute hierarchy. Set the ValueColumn property, set the IsAggregatable property to False, and then set the DefaultMember property. Configure the cube dimension so that it does not have a relationship with the measure group. Add a calculated measure that uses the MemberValue attribute property.
J. Create a dimension with one attribute hierarchy. Set the IsAggregatable property to False and then set the DefaultMember property. Use a many-to-many relationship to link the dimension to the measure group.
K. Use role playing dimensions.
L. Create a dimension with one attribute hierarchy. Set the IsAggregatable property to False and then set the DefaultMember property. Use a regular relationship between the dimension and measure group.
M. Add a measure group that has one measure that uses the DistinctCount aggregate function.
N. Add a hidden measure that uses the Sum aggregate function. Add a calculated measure aggregating the measure along the time dimension.
O. Add a measure that uses the Count aggregate function to an existing measure group.

Correct Answer: O

QUESTION 30
You install SQL Server Reporting Services (SSRS). You need to back up a copy of the symmetric key. Which command should you run?

A. rskeymgmt i
B. rskeymgmt -a -f %temp%\rs.key -p Password1
C. rskeymgmt -d
D. rskeymgmt -e -f %temp%\rs.key -p Password1

Correct Answer: D
QUESTION 31
You are modifying a SQL Server Analysis Services (SSAS) multidimensional database. You have identified a dimension that is no longer used by any cubes. You need to delete the dimension. What should you do?

A. Deploy the project from the development environment by using SQL Server Management Studio.
B. Script the deletion of the dimension as an XMLA command for execution against the production model.
C. Use the SQL Server Analysis Migration Wizard.
D. Write a T-SQL command to drop the dimension from the database.

Correct Answer: B

QUESTION 32
You are conducting a design review of a multidimensional project. In the Customer Geography dimension, all non-key attributes relate directly to the key attribute. The underlying data of the Customer Geography dimension supports relationships between attributes. You need to increase query and dimension processing performance. What should you do?

A. For the Customer Geography dimension, set the ProcessingMode property to LazyAggregations.
B. For the Customer Geography dimension, set the ProcessingPriority property to 1.
C. For the dimension attributes of the Customer Geography dimension, define appropriate attribute relationships.
D. For the dimension attributes of the Customer Geography dimension, set the GroupingBehavior property to EncourageGrouping.

Correct Answer: C

QUESTION 33
You are developing a SQL Server Analysis Services (SSAS) tabular project. You need to grant the minimum permissions necessary to enable users to query data in a data model. Which role permission should you use?

A. Explorer
B. Process
C. Read
D. Administrator
E. Browser
F. Select
Correct Answer: C

QUESTION 34
You are developing a SQL Server Analysis Services (SSAS) tabular project. You need to grant the minimum permissions necessary to enable users to query data in a tabular model. Which role permission should you use?

A. Explorer  
B. Browser  
C. Select  
D. ReadDefinition  
E. Process  
F. Read

Correct Answer: F

QUESTION 35
You are developing a SQL Server Reporting Services (SSRS) report.

- The report includes a dataset with fields named Year, MonthNumber, and RegCount.
- The report includes a table that displays the number of recorded registration occurrences per year, as shown in the following diagram.

You need to modify the table to include a graphical item displaying the monthly registration trend to the right of the Reg Count column. What should you do?

A. Add a Sparkline item to a new column on the right of the Reg Count column. Then select the RegCount field for Values and the MonthNumber field for Category Groups.  
B. Add a text box to a new column on the right of the Reg Count column. Then use a Go to report action to link to a separate report showing the monthly trend.  
C. Add an Indicator item to a new column on the right of the Reg Count column. Select the Directional Indicator Type and then assign the MonthNumber field to the Start property.  
D. Add an Indicator item to a new column on the right of the Reg Count column. Select the Directional Indicator Type and then select the MonthNumber field for Value.  
E. Add a Sparkline item to a new column on the right of the Reg Count column. Then select the RegCount field for Values and the MonthNumber field for Series Groups.

Correct Answer: A

QUESTION 36
You are designing a SQL Server Reporting Services (SSRS) report that sources data from a SQL Azure database. The report must display the value and status of a Key Performance Indicator (KPI). Which report item should you use? (Each answer presents a complete solution. Choose all that apply.)

A. Data Bar  
B. Gauge  
C. Image  
D. Indicator  
E. Sparkline

**Correct Answer: BD**

**QUESTION 37**
You are designing a SQL Server Reporting Services (SSRS) report to display vineyard names and their year-to-date (YTD) grape yield. Grape yield values are classified in three bands:

- High Yield
- Medium Yield
- Low Yield

You add a table to the report. Then you define two columns based on the fields named VineyardName and YTDGrapeYield. You need to set the color of the vineyard text to red, yellow, or blue, depending on the value of the YTD grape yield values. What should you do?

A. Use an expression for the Color property of the vineyard text box.  
B. Use an expression for the Font property of the vineyard text box.  
C. Use an expression for the Style property of the vineyard text box.  
D. Use an expression for the TextDecoration property of the vineyard text box.  
E. Add an indicator to the table.

**Correct Answer: A**

**QUESTION 38**
Hotspot

A SQL Server Analysis Services (SSAS) cube has roles to define dimension data security. A role named USA allows users to browse data pertaining to the United States. A role named Canada allows users to browse data pertaining to Canada. A user can browse sales data pertaining to the United States but cannot browse sales data pertaining to Canada. You validate that the user belongs to the USA and Canada roles. You need to reproduce the issue in SQL Server Management Studio (SSMS). Which option should you select?

To answer, select the appropriate action in the answer area.

**Hot Area:**
QUESTION 39
You are developing a SQL Server Analysis Services (SSAS) tabular database. To maximize
performance, the queries must be resolved by using cache unless otherwise specified in the
connection string. You need to configure the appropriate query mode. Which query mode should
you select?

A. In-Memory
B. DirectQuery with In-Memory
C. In-Memory with DirectQuery
D. DirectQuery

Correct Answer: C
QUESTION 40
You are developing a SQL Server Analysis Services (SSAS) cube. Revenue must be compared to a goal and described by a status and a trend. Revenue, goal, status, and trend will be defined by Multidimensional Expressions (MDX) expressions. You need to add the Revenue indicator. Which tab should you select? (To answer, select the appropriate tab in the work area.)

A. Cube Structure  
B. Dimension Usage  
C. Calculations  
D. KPIs  
E. Actions

Correct Answer: D

QUESTION 41
You are developing a SQL Server Analysis Services (SSAS) cube for the sales department at your company.

The sales department requires the following set of metrics:

- Unique count of customers
- Unique count of products sold
- Sum of sales

You need to ensure that the cube meets the requirements while optimizing query response time. What should you do? (Each answer presents a complete solution. Choose all that apply.)

A. Use ROLAP storage for all partitions.  
B. Use the Distinct Count and Sum measure aggregation functions.  
C. Use the Define Semiadditive Behavior page to enable semi-additive behavior.  
D. Use the Define Semiadditive Behavior page to disable semi-additive behavior.  
E. Create a single measure group containing all measures  
F. Place the distinct count measures in separate measure groups.

Correct Answer: BF
QUESTION 42
You are developing a SQL Server Analysis Services (SSAS) cube. The cube contains several dimensions, a local measure group, and a linked measure group. Both measure groups use MOLAP partitions. You need to write-enable one of the linked measure group partitions to support Microsoft Excel 2010 PivotTable What-If Analysis. What should you do before the partition can be write-enabled?

A. Set the Type property of the partition’s measure group to Forecast.
B. Set the StorageMode property of the linked measure group to Rolap.
C. Implement the local measure group as a linked measure group.
D. Implement the linked measure group as a local measure group.

Correct Answer: D

QUESTION 43
You are developing a SQL Server Analysis Services (SSAS) tabular project. A column named City must be added to the table named Customer. The column will be used in the definition of a hierarchy. The City column exists in the Geography table that is related to the Customer table. You need to add the City column to the Customer table. How should you write the calculation?

A. City:=RELATEDTABLE(Geography)
B. City:=Geography[City]
C. =RELATED(Geography[City])
D. City:=RELATED(Geography[City])
E. =RELATEDTABLE(Geography)
F. =Geography[City]

Correct Answer: C

QUESTION 44
A production SQL Server Analysis Services (SSAS) cube is processed daily. The users query facts by using a hierarchy named Geography from a dimension named Geography. The DimGeography table in the data source view is used as the source of the Geography dimension.

The table has the following structure:

```sql
CREATE TABLE [dbo].[DimGeography](
    [DimensionKey] [int] IDENTITY(1,1) NOT NULL,
    [CityKey] [int] NOT NULL,
    [CityName] [varchar](50) NOT NULL,
    [StateProvinceKey] [int] NOT NULL,
)```
The Geography dimension has three attribute hierarchies:

- City
- State-Province
- Country

The attributes have the following relationships defined:

City > State-Province > Country.

Each attribute has a key and a name sourced from the related key and name columns in the DimGeography table.

During processing, you receive the following error message: "Errors in the OLAP storage engine: A duplicate attribute key has been found when processing: Table: 'dbo_DimGeography', Column: 'StateProvinceKey', Value: '23'. The attribute is 'State-Province'."

You verify that the data is accurate. You need to ensure that the dimension processes successfully. What should you do?

A. Delete the Geography hierarchy.
B. Remove the State-Province attribute.
C. Relate the State-Province and Country attributes directly to the City attribute.
D. Remove the duplicate data from the DimGeography table.

Correct Answer: C

QUESTION 45

You are developing a SQL Server Analysis Services (SSAS) tabular project. A model contains tables and columns that must not be visible to the user. The columns and tables cannot be removed because they are used in calculations. You need to hide the tables and columns. What should you do?

A. Right-click the applicable tables and columns and select the Hide from Client Tools option.
B. In the Properties window for the applicable tables and columns, set the Visible property to True.
C. Right-click the applicable tables and columns and select the Hide option.
D. In the Properties window for the applicable tables and columns, set the Enabled property to False.
Correct Answer: A

QUESTION 46
You are designing a SQL Server Reporting Services (SSRS) report. The report defines a single SQL
Server data source and dataset. You need to include additional data sourced from a SQL Azure
database in the report. What should you do?

A. Create a SQL Azure data source and then add a dataset that uses the new data source.
B. Create a SQL Server data source and then add a dataset that uses the new data source.
C. Generate an Atom-compliant data feed for the report.
D. Create a SQL Azure dataset that uses the existing data source.

Correct Answer: A

QUESTION 47
You are managing a SQL Server Reporting Services (SSRS) instance in native mode. A role named
Folder Access Controller is present on the server. The Folder Access Controller role consists of only
the Set security for individual items task. When role members open Report Manager, they cannot
view folders. You need to modify the Folder Access Controller role so that the role members can
view folders. Which task should you add to the Folder Access Controller role?

A. Manage data sources
B. View reports
C. Manage folders
D. View models

Correct Answer: C

QUESTION 48
You are designing a SQL Server Reporting Services (SSRS) report to display product names and their
year-to-date (YTD) sales quantity. YTD sales quantity values are classified in three bands: High Sales,
Medium Sales, and Low Sales. You add a table to the report. Then you define two columns based
on the fields named ProductName and YTDSalesQuantity. You need to set the color of the product
text to red, yellow, or blue, depending on the value of the YTD sales quantity values. What should
you do?

A. Use an expression for the TextDecoration property of the text box.
B. Use an expression for the Color property of the text box.
C. Add an indicator to the table.
D. Use an expression for the Style property of the text box.
E. Use an expression for the Font property of the text box.

Correct Answer: B

QUESTION 49
You are modifying a SQL Server Analysis Services (SSAS) cube. The cube consists of a single measure group that contains the following measures:

- Total Quantity On Hand
- Average Quantity On Hand

The measure group has a single partition that uses the MOLAP storage mode. You need to modify the cube design to ensure that the Total Quantity On Hand measure is updated in real-time and that Average Quantity On Hand measure is updated hourly. What should you do?

A. Change the storage mode of the partition to ROLAP.
B. Create a drillthrough action that will query the underlying data source in real time for the Total Quantity On Hand measure.
C. Add an additional MOLAP partition to the measure group.
D. Create a new measure group for the Total Quantity On Hand measure. Configure the storage mode for the new measure group’s partition to ROLAP.

Correct Answer: D

QUESTION 50
You are developing a SQL Server Analysis Services (SSAS) tabular project that will be used by the finance, sales, and marketing teams.

- The sales team reports that the model is too complex and difficult to use.
- The sales team does not need any information other than sales-related resources in the tabular model.
- The finance and marketing teams need to see all the resources in the tabular model.

You need to implement a solution that meets the needs of the sales team while minimizing development and administrative effort. What should you do?

A. Create a perspective for the sales team.
B. Create a separate partition for each team.
C. Create a separate data source for each team.
D. Enable client side security to filter non-sales data.

Correct Answer: A
QUESTION 51
You are developing a SQL Server Analysis Services (SSAS) tabular project. The model has tables named Invoice Line Items and Products.

The Invoice Line Items table has the following columns:

- Product Id
- Unit Sales Price

The Unit Sales Price column stores the unit price of the product sold.

The Products table has the following columns:

- Product Id
- Minimum Sales Price

The Minimum Sales Price column is available only in the Products table.

You add a column named Is Undersell to the Invoice Line Items table. The Is Undersell column must store a value of TRUE if the value of the Unit Sales Price is less than the value of the Minimum Sales Price. Otherwise, a value of FALSE must be stored. You need to define the Data Analysis Expressions (DAX) expression for the Is Undersell column. Which DAX formula should you use? (Each answer represents a complete solution. Choose all that apply.)

A. =IF([Unit Sales Price] < RELATED(Products[Minimum Sales Price]), TRUE, FALSE)
B. =IF(RELATED(Products[Unit Sales Price]) < [Minimum Sales Price], TRUE, FALSE)
C. =IF([Unit Sales Price] < LOOKUPVALUE(Products[Minimum Sales Price], Products[Product Id], [Product Id]), TRUE, FALSE)
D. =IF(LOOKUPVALUE(Products[Unit Sales Price], Products[Product Id], [Product Id]) < [Minimum Sales Price], TRUE, FALSE)

Correct Answer: AC

QUESTION 52
You are developing a SQL Server Reporting Services (SSRS) report.

- The report includes a dataset with fields named Year, MonthNumber, and InvCount.
- The report includes a table that displays the inventory count per year, as shown in the following diagram.

You need to modify the table to include a graphical item displaying the inventory count trend to the right of the Inv Count column. What should you do?
A. Add a text box to a new column on the right of the Inv Count column. Then use a Go to report action to link to a separate report showing the monthly trend.
B. Add an Indicator item to a new column on the right of the Inv Count column. Select the Directional Indicator type and then select the MonthNumber field for Value.
C. Add a Sparkline item to a new column on the right of the Inv Count column. Then select the InvCount field for Values and the MonthNumber field for Series Groups.
D. Add a Sparkline item to a new column on the right of the Inv Count column. Then select the InvCount field for Values and the MonthNumber field for Category Groups.
E. Add an Indicator item to a new column on the right of the Inv Count column. Select the Directional Indicator type and then assign the MonthNumber field to the Start property.

Correct Answer: D

**QUESTION 53**
You are developing a SQL Server Analysis Services (SSAS) multidimensional database. The underlying data source does not have a time dimension table. You need to implement a time dimension. What should you do?

A. Create a time dimension by using the Define time intelligence option in the Business Intelligence Wizard.
B. Use the SQL Server Data Tools Dimension Wizard and generate a time table in the data source.
C. Create a time dimension by using the Define dimension intelligence option in the Business Intelligence Wizard.
D. Add an existing SSAS database time dimension as a cube dimension.

Correct Answer: B

**QUESTION 54**
You are troubleshooting query performance for a SQL Server Analysis Services (SSAS) cube. A user reports that a Multidimensional Expressions (MDX) query is very slow. You need to identify the MDX query statement in a trace by using SQL Server Profiler. Which event class should you use?

A. Query Begin
B. Get Data From Aggregation
C. Calculate Non Empty Begin
D. Query Subcube
E. Progress Report Begin
F. Execute MDX Script Begin

Correct Answer: A
QUESTION 55
You are developing a SQL Server Analysis Services (SSAS) tabular project that will be used by the finance, sales, and marketing teams.

- The sales team reports that the model is too complex and difficult to use.
- The sales team does not need any information other than sales-related resources in the tabular model.
- The finance and marketing teams need to see all the resources in the tabular model.

You need to implement a solution that meets the needs of the sales team while minimizing development and administrative effort. What should you do?

A. Create a perspective for the sales team.
B. Hide the non-sales columns from the client tools.
C. Create a separate tabular model for each team.
D. Create a security role for the sales team.

Correct Answer: A

QUESTION 56
You are managing a SQL Server Reporting Services (SSRS) instance in native mode. A system role named Developer Support is present on the server. Members of the Developer Support role cannot modify the report execution timeout period. You need to enable members of the Developer Support role to modify the report execution timeout period. Which task should you add to the Developer Support role?

A. Manage jobs
B. Manage shared schedules
C. Execute report definitions
D. Manage report server properties

Correct Answer: D

QUESTION 57
You are developing a SQL Server Analysis Services (SSAS) cube. You are writing the following Multidimensional Expressions (MDX) statement for use by a calculated measure. The measure computes the sales amount for the same time period of the previous year. (Line numbers are included for reference only.)

01 CREATE MEMBER CURRENTCUBE.Measures.SamePeriodPreviousYearSales AS
You need to complete the MDX statement. Which MDX function should you use in line 03?

To answer, select the appropriate MDX function in the functions list.

A. CLOSINGPERIOD  
B. LASTPERIODS  
C. MTD  
D. OPENINGPERIOD  
E. PARALLELPERIOD  
F. PERIODSTODATE  
G. QTD  
H. WTD  
I. YTD

Correct Answer: E

QUESTION 58

You are creating a new report in SQL Server Report Builder. You add a SQL Azure data source. Then you add a dataset that has four fields named Year, Country, Category, and Sales. You must design a matrix as shown in the following diagram.
The category rows (the first three rows as shown in the diagram) must present total sales amount by category. The country rows (the next six rows as shown in the diagram) must present total sales amount by country. The total row must present the total sales for each year. You add a matrix to the report. You add a grouping of the Category field on the rows and a grouping of the Year field on the columns. You need to add the countries on the rows of the matrix. Which Row Group option should you select when you add the group?

A. Parent Group
B. Child Group
C. Adjacent Below
D. Adjacent Above

Correct Answer: C

QUESTION 59
You are designing a SQL Server Reporting Services (SSRS) report based on a SQL Server Analysis Services (SSAS) cube.

- The cube is used to measure sales growth by salesperson.
- The cube contains a Key Performance Indicator (KPI) to show if a salesperson’s sales are off target, slightly off target, or on target.

You need to add a report item that visually displays the KPI status value as a red, yellow, or green flag. Which report item should you add?

A. an Indicator
B. a Data Bar
C. a Sparkline
 QUESTION 60
You are developing a SQL Server Analysis Services (SSAS) tabular project. A model contains tables and columns that must not be visible to the user. The columns and tables cannot be removed because they are used in calculations. The calculations are used to calculate the budget and forecast for the current quarter. You need to hide the tables and columns. What should you do?

A. Before adding the forecast calculations to the model, right-click the applicable tables and columns and select the Hide option.
B. Before adding the forecast calculations to the model, right-click the applicable tables and columns and select the Hide from Client Tools option.
C. After adding the budget calculations to the model, in the Properties window for the applicable tables and columns, set the Enabled property to False.
D. After adding the budget calculations to the model, in the Properties window for the applicable tables and columns, set the Visible property to True.

Correct Answer: B

 QUESTION 61
You are developing a BI Semantic Model (BISM) that will be used to analyze complex budgeting and forecast data sourced from a financial database. The model will be deployed to a server with 28 GB of RAM. The source data, located in a SQL Server data warehouse, is currently using 15 terabytes of disk space and is doubling in size every month. The model will be queried by staff in the accounting department by using Microsoft Excel 2010. You need to ensure the highest query performance and scalability for the accounting department queries. Which project type should you choose?

A. PowerPivot workbook deployed to SharePoint
B. multidimensional project
C. tabular project that uses the DirectQuery query mode
D. tabular project that uses the In-Memory query mode

Correct Answer: B

 QUESTION 62
You are designing a SQL Server Reporting Services (SSRS) report that sources data from a SQL Azure database. You need to design the report to show the sum of sales. The sales must be grouped by region on the rows and year on the columns. Which report item should you add?
To answer, select the appropriate setting in the answer area.

Correct Answer: D

QUESTION 63
You are deploying an update to a SQL Server Analysis Services (SSAS) cube to a production environment. The production database has been configured with security roles. You need to preserve the existing security roles in the production database. Database roles and their user accounts from the development environment must not be deployed to the production server.
Which deployment method should you use?

A. Back up and restore the database.
B. Use the SQL Server Analysis Services Migration Wizard.
C. Use the SQL Server Analysis Services Deployment Wizard.
D. Deploy the project from SQL Server Data Tools to the production server.

Correct Answer: C

QUESTION 64
You are modifying a SQL Server Analysis Services (SSAS) cube. Users of the cube report that the precision for the SalesAmount measure is four digits. You need to ensure that the SalesAmount measure stores values to two digits of precision. What should you do?

A. Use the FormatString measure property to format SalesAmount as #,##0.00;-,##0.00.
B. Use the FormatString measure property to format SalesAmount as Currency.
C. Use the MeasureExpression measure property to change the precision of SalesAmount to two digits.
D. Add a named query in the data source view that casts the data source column to two digits of precision. Bind the SalesAmount measure to the new query.
E. Add a named calculation in the data source view that casts the data source column to two digits of precision. Bind the SalesAmount measure to the new column.

Correct Answer: E

QUESTION 65
You are developing a SQL Server Analysis Services (SSAS) cube for the sales department at your company.

The sales department requires the following set of metrics:

- Unique count of customers
- Unique count of products sold
- Sum of sales

You need to ensure that the cube meets the requirements while optimizing query response time. What should you do? (Each answer presents a complete solution. Choose all that apply.)
A. Place the measures in a single measure group.
B. Place the distinct count measures in separate measure groups.
C. Use the additive measure group functions.
D. Use the semiadditive measure group functions.
E. Use the Count and Sum measure aggregation functions.
F. Use the Distinct Count and Sum measure aggregation functions.

**Correct Answer: BF**

**QUESTION 66**
You are developing a BI Semantic Model (BISM) that will be used to analyze complex budgeting and forecast data sourced from a financial database. The model will be deployed to a server with 32 GB of RAM. The source data, located in a SQL Server data warehouse, is currently using 10 terabytes of disk space and is doubling in size every three months. The model will be queried by staff in the accounting department by using Microsoft Excel 2010. You need to ensure the highest query performance and scalability for the accounting department queries. Which project type should you choose?

A. tabular project that uses the DirectQuery query mode
B. PowerPivot workbook
C. tabular project that uses the In-Memory query mode
D. multidimensional project

**Correct Answer: D**

**QUESTION 67**
You are developing a BI Semantic Model (BISM) that retrieves data from several sources. These sources include a SQL Azure database and an OData data feed that includes rainfall data for towns on the east coast of Australia. The model will be deployed to a server with significantly more memory than the total size of the source data. You have the data feed URL, which you will use when developing the model in SQL Server Data Tools (SSDT).

The model must meet the following requirements:

- Performance must be maximized.
- Data latency of up to one month is acceptable.

You need to choose a project type and a data access mode to meet the requirements. What should you do?

A. In SSDT, select the multidimensional project type and use the MOLAP storage mode.
B. In SSDT, select the tabular project type and use the In-Memory query mode.
C. In SSDT, select the multidimensional project type and use the ROLAP storage mode.
D. In SSDT, select the tabular project type and use the DirectQuery query mode.

**Correct Answer: B**
QUESTION 68
You are developing a SQL Server Analysis Services (SSAS) tabular project. A column named City must be added to the table named Customer. The column will be used in the definition of a hierarchy. The City column exists in the Geography table that is related to the Customer table. You need to add the City column to the Customer table. How should you write the calculation?

A. =RELATED(Geography.City)
B. City:=VALUES(Geography[City])
C. City:= LOOKUPVALUE(Geography[City],Geography[GeographyKey],[GeographyKey])
D. =VALUES(Geography[City])
E. City:= LOOKUP(Geography[City],Geography[GeographyKey],[GeographyKey])
F. =RELATED(Geography[City])

Correct Answer: F

QUESTION 69
You are developing a SQL Server Analysis Services (SSAS) tabular project. The model has tables named Invoice Line Items and Products.

The Invoice Line Items table has the following columns:

• Product Id
• Unit Sales Price

The Unit Sales Price column stores the unit price of the product sold.

The Products table has the following columns:

• Product Id
• Maximum Sales Price

The Maximum Sales Price column is available only in the Products table.

You add a column named Is Overpriced to the Invoice Line Items table. The Is Overpriced column must store a value of TRUE if the value of the Unit Sales Price is greater than the value of the Maximum Sales Price. Otherwise, a value of FALSE must be stored. You need to define the Data Analysis Expressions (DAX) expression for the Is Overpriced column. Which DAX formula should you use? (Each answer represents a complete solution. Choose all that apply.)

A. =IF([Unit Sales Price] > RELATED(Products[Maximum Sales Price]), TRUE, FALSE)
B. =IF(RELATED(Products[Unit Sales Price]) > [Maximum Sales Price], TRUE, FALSE)
C. =IF([Unit Sales Price] > LOOKUPVALUE(Products[Maximum Sales Price], Products[Product Id],
[Product Id]), TRUE, FALSE)
D. =IF(LOOKUPVALUE(Products[Unit Sales Price], Products[Product Id], [Product Id]) > [Maximum Sales Price]), TRUE, FALSE)

Correct Answer: AC

QUESTION 70
You are designing a SQL Server Reporting Services (SSRS) report for a bank. The bank has Automated Teller Machines (ATMs) in several regions. ATM operational data is stored in a SQL Azure database. The report must use a map to display the location and status of the ATMs as shown in the following exhibit.

You need to ensure that the report displays only a user selected map region. Which source of spatial data should you use for the map?

A. ESRI shape file
B. Map gallery
C. Bing Maps layer
D. SQL Server spatial query

Correct Answer: D
QUESTION 71
You manage a SQL Server Reporting Services (SSRS) instance. The ReportingServicesService.exe.config file has been modified to enable logging. Some users report that they cannot access the server. You need to ascertain the IP addresses of the client computers that are accessing the server. What should you do?

A. View the Windows System event log.
B. View the Report Server service trace log.
C. View the Report Server HTTP log.
D. View the ExecutionLog view in the Report Server database.

Correct Answer: C

QUESTION 72
You are modifying a SQL Server Analysis Services (SSAS) multidimensional database. You have identified a dimension that is no longer used by any cubes. You need to delete the dimension. What should you do?

A. Delete the dimension by using SQL Server Management Studio Object Explorer.
B. Write a Multidimension Expression (MDX) command to drop the dimension from the database.
C. Write a Data Mining Extensions (DMX) command to drop the dimension from the database.
D. Write a T-SQL command to drop the dimension from the database.

Correct Answer: A

QUESTION 73
You work as a developer at EnsurePass.com. The company uses a Microsoft SQL Server 2012 infrastructure. An Analysis Services project you are developing contains multiple dimensions. The attributes in one of the dimensions include a parent-child hierarchy, a key attribute and two regular attributes. Users are able to view all the hierarchies when they view the dimension. How can you hide a hierarchy from the users?

A. By setting a value of False for the AttributeHierarchyEnabled property.
B. By setting a value of False for the AttributeHierarchyVisible property.
C. By setting a value of NotOptimized for the AttributeHierarchyOptimized property.
D. By setting a value of False for the AttributeHierarchyOrdered property.

Correct Answer: B

QUESTION 74
Drag and Drop
You are planning the installation of PowerPivot for SharePoint. You install SharePoint Server 2010
Enterprise Edition with Service Pack 1. You need to install the PowerPivot for SharePoint instance. Then you need to configure the Default Account username used to provision shared services in the SharePoint farm. Which three actions should you perform in sequence?

To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.

**Correct Answer:**

QUESTION 75
Drag and Drop
You are developing reports based on the SQL Server Analysis Services (SSAS) cube named Orders. A Multidimensional Expressions (MDX) query must include a query-scoped calculated member, which computes average sales per order item. The query must also return the set of three states in a query-scoped named set named East Coast Customers. You need to define the calculations in an MDX query to meet the requirements. Which four MDX segments should you insert in sequence before a SELECT statement?

To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.

**Select and Place:**
Correct Answer:

WITH SET [East Coast Customers] AS

; 

MEMBER [Average Sales per Order Item] AS

MEASURE [Average Sales per Order Item] AS

QUESTION 76
Drag and Drop
You are developing a SQL Server Analysis Services (SSAS) tabular project. You need to add a
calculated column to a table in the model. Which three actions should you perform in sequence?

To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.

Select and Place:

Correct Answer:

**QUESTION 77**

Drag and Drop

You are developing a SQL Server Analysis Services (SSAS) cube. The cube consists of a single
measure group. The measure group consists of one partition that uses MOLAP.

The proactive caching policy has the following requirements:

- The cache must be updated when data is changed in the table named tblOrders.
- Changes must be notified through the use of the XML for Analysis (XMLA) NotifyTableChange command.

You need to configure the proactive caching policy to meet the requirements. Which three actions should you perform in sequence?

To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.

**Select and Place:**

- On the Partitions tab, click Storage Settings.
- Select the SQL Server notification type, and then select the tblOrders table.
- Enable proactive caching.
- Open the partition storage settings.
- Select the Update the cache periodically option.
- Select the Client initiated notification type, and then select the tblOrders table.

**Correct Answer:**

- On the Partitions tab, click Storage Settings.
- Select the SQL Server notification type, and then select the tblOrders table.
- Open the partition storage settings.
- Enable proactive caching.
- Select the Update the cache periodically option.
- Select the Client initiated notification type, and then select the tblOrders table.

**QUESTION 78**

Drag and Drop

You are using Multidimensional Expressions (MDX) to query a SQL Server Analysis Services (SSAS)
cube. You need to compute the aggregate value of the 10 most-ordered products in the Product Categories hierarchy. The Product level is the lowest in the hierarchy. Which functions should you use to complete the MDX query?

To answer, drag the appropriate functions from the list of functions to the correct locations in the answer area.

**Select and Place:**

```mdx
WITH MEMBER [Measures].[SumOfTop10products]
AS
    
    ([Product].[Product Categories], , 10 )

SELECT
    { [Measures].[Order Quantity], [Measures].[SumOfTop10products] }
ON COLUMNS
FROM [Orders]
```

**Correct Answer:**

```mdx
WITH MEMBER [Measures].[SumOfTop10products]
AS
    AGGREGATE
    ( [Product].[Product Categories], DESCENDANT )

SELECT
    { [Measures].[Order Quantity], [Measures].[SumOfTop10products] }
ON COLUMNS
FROM [Orders]
```

**QUESTION 79**

Drag and Drop

You are developing a SQL Server Analysis Services (SSAS) multidimensional project.
The project file includes two cubes named Finance and Operations.

The project also includes a dimension named Date.

The Date dimension includes two hierarchies named Fiscal and Calendar.

The Date dimension has been added to both cubes.

You need to disable the Fiscal hierarchy in the Operations cube without impacting other database objects. Which three actions should you perform in sequence?

To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.

Select and Place:

- Open the Operations cube in the cube designer.
- Open the Date dimension in the dimension designer.
- Delete the Fiscal hierarchy from the Operations cube.
- In the Properties window, set the Enabled property to False.
- In the Properties window, set the Visible property to False.
- In the Properties window, set the AttributeHierarchyEnabled property to False.
- In the Hierarchies pane of the dimension structure tab, select the Fiscal hierarchy.
- In the Dimensions pane of the Cube Structure tab, select the Fiscal hierarchy of the Date dimension.

Correct Answer:
Open the Date dimension in the dimension designer.

Delete the Fiscal hierarchy from the Operations cube.

In the Properties window, set the Visible property to False.

In the Properties window, set the AttributeHierarchyEnabled property to False.

In the Hierarchies pane of the dimension structure tab, select the Fiscal hierarchy.

Open the Operations cube in the cube designer.

In the Dimensions pane of the Cube Structure tab, select the Fiscal hierarchy of the Date dimension.

In the Properties window, set the Enabled property to False.
QUESTION 80
Drag and Drop
You manage a SQL Server Reporting Services (SSRS) instance in native mode. You are building a shared dataset for your weekly performance reports. The shared dataset uses a data source that is configured to use credentials that are stored in the Report Server. You have a predefined shared schedule to perform cleanup and maintenance tasks for SSRS. You need to enable caching on the shared dataset. You also need to use an existing shared schedule to discard the cache. Which four actions should you perform in sequence?

To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.

Select and Place:

Select the Expire the cache on the following schedule option and then select the Shared Schedule option.

Correct Answer:

Open Report Manager and then click the shared dataset.
Open SharePoint Central Administration and then click the shared dataset.
Select the Caching page and then click the Cache shared dataset checkbox.
Select the Expire the cache on the following schedule option and then select the Shared Schedule option.
From the combo box, select the shared schedule and then click Apply.
QUESTION 81
Drag and Drop
You are developing a SQL Server Analysis Services (SSAS) tabular project based on a SQL Azure database. The Processing Option property for the project is set to Do Not Process. Several calculated columns have been added to a table. The project has been deployed to the production server. You need to ensure that newly added data is processed on the production server. Which three actions should you perform in sequence?

To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.

Select and Place:
- Right-click the table and then select Process Table.
- Open the project in SQL Server Data Tools (SSDT).
- On the Model menu, select Process and then select Process Table.
- In the model designer, select the table.
- In Object Explorer, connect to the SSAS instance, expand the database, and then expand the Tables folder.
- Open SQL Server Management Studio (SSMS).

Correct Answer:
- Open SQL Server Management Studio (SSMS).
- On the Model menu, select Process and then select Process Table.
- In Object Explorer, connect to the SSAS instance, expand the database, and then expand the Tables folder.
- Right-click the table and then select Process Table.
QUESTION 82
Drag and Drop
You are developing a SQL Server Analysis Services (SSAS) multidimensional project that is configured to source data from a SQL Azure database. You plan to use multiple servers to process different partitions simultaneously. You create and configure a new data source. You need to create a new partition and configure SQL Server Analysis Services (SSAS) to use a remote server to process data contained within the partition. Which three actions should you perform in sequence?

To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.

Select and Place:

- Select the table and then specify the query for the new partition.
- Create a linked server for the remote processing location.
- Click Enable PROactive caching and then select the HLOAP Storage mode.
- Open the cube for editing, select the Partitions tab, and then click New Partition.
- Click Storage Settings and then click Options to open the Storage Options dialog box.
- On the Processing and Storage Locations step, ensure that the processing location is set to the Remote Analysis Services data source.

Correct Answer:

- Create a linked server for the remote processing location.
- Click Enable PROactive caching and then select the HLOAP Storage mode.
- Open the cube for editing, select the Partitions tab, and then click New Partition.
- Select the table and then specify the query for the new partition.
- On the Processing and Storage Locations step, ensure that the processing location is set to the Remote Analysis Services data source.

QUESTION 83
Drag and Drop
You are developing a SQL Server Analysis Services (SSAS) multidimensional project that is configured to source data from a SQL Azure database. The cube is processed each night at midnight. The largest partition in the cube takes 12 hours to process, and users are unable to access the cube until noon. The partition must be available for querying as soon as possible after processing commences. You need to ensure that the partition is available for querying as soon as possible, without using source data to satisfy the query. Which three actions should you perform in sequence?

To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.

Select and Place:

On the Partitions tab, select the partition to edit.
Open the cube for editing and then select the Partitions tab.
On the Properties window, change the ProcessingMode property to (default).
On the Properties window, change the ProcessingMode property to LazyAggregations.
Enable proactive caching and then select the Bring Online Immediately option.
Click Storage Settings and then click Options to open the Storage Options dialog box.

Correct Answer:

On the Properties window, change the ProcessingMode property to (default).
Enable proactive caching and then select the Bring Online Immediately option.
Click Storage Settings and then click Options to open the Storage Options dialog box.

Open the cube for editing and then select the Partitions tab.
On the Partitions tab, select the partition to edit.
On the Properties window, change the ProcessingMode property to LazyAggregations.
Drag and Drop
You manage a SQL Server Reporting Services (SSRS) instance running in native mode. You are troubleshooting a performance problem and need to know which reports are frequently executed. You discover that the report server execution logs are empty, despite significant report activity. You need to ensure that the server is configured for report execution logging. Which three actions should you perform in sequence?

To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.

Select and Place:

Correct Answer:

QUESTION 85
Drag and Drop
You are developing a SQL Server Reporting Services (SSRS) report that sources data from a SQL Azure database and a SQL Server Analysis Services (SSAS) cube. The cube contains a date dimension and other dimensions. The report design includes two report parameters named StartDate and FinishDate as shown in the following diagram. The Data Type property of the parameters is set to Date/Time. You need to create the dataset based on the SSAS cube. You also need to ensure that the dataset is filtered by the existing report parameters. Which three actions should you perform in sequence?

To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.

Select and Place:
Correct Answer:

Create a dataset with a parameterized filter using a hierarchy from the date dimension that uses the Contains operator. Do not close the Dataset Properties window.

Create two report parameters with Date/Time data types to receive their default values from the two hidden datasets.

Modify the parameter expressions of the dataset to include the ToString() function.

Write an expression in the dataset Parameter Value textbox that converts the Date/Time parameter values to be compatible with the dimension member.

Select the Parameters page and then assign an expression to each query parameter to convert the report parameter values to the appropriate date dimension hierarchy member keys.
Drag and Drop

You are developing a SQL Server Reporting Services (SSRS) report to display a list of employees. The report will be embedded into a Microsoft SharePoint Server Web Part Page of the company intranet site. The report consists of a single table. The design of the table is shown in the following diagram. You need to configure the EmailAddress detail text box to create a new email message. The email message must be addressed to the email address that was clicked by the user. Which four actions should you perform in sequence?

To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.

Select and Place:

Correct Answer:
QUESTION 87
You are developing a SQL Server Analysis Services (SSAS) cube. You need to add a calculated member to the Customer dimension to evaluate the sum of values for France and Germany.

CREATE MEMBER CURRENTCUBE.[Customer].[Customer Geography].[All].[Average FR and DE] AS

Which expression should you use? (To answer, drag the appropriate expression to the answer area.)

A. [Customer].[Customer Geography].[Country].&[France] & [Customer].[Customer Geography].[Country].&[Germany]
B. {[Customer].[Customer Geography].[Country].&[France],[Customer].[Customer Geography].[Country].&[Germany]}
C. [Customer].[Customer Geography].[Country].&[France] UNION [Customer].[Customer Geography].[Country].&[Germany]
D. SUM({[Customer].[Customer Geography].[Country].&[France],[Customer].[Customer Geography].[Country].&[Germany]})
E. SUM({[Customer].[Customer Geography].[Country].&[France],[Customer].[Customer Geography].[Country].&[Germany]})

Correct Answer: D

QUESTION 88
You are planning the installation of PowerPivot for SharePoint that will be used by your company's sales and marketing team. You install SharePoint Server 2010 Enterprise Edition with Service Pack 1. You need to install the PowerPivot for SharePoint instance. Then you need to configure the Default Account username used to provision shared services in the SharePoint farm. Which three actions should you perform in sequence?

To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.

**Select and Place:**

- For the project type, use the Import from PowerPivot template.
- Run the PowerPivot Configuration Tool.
- Create a new project by using SQL Server Data Tools.
- Enter the Default Account username and password.
- Open the Services management console and edit the PowerPivot System Service properties. Change the username and password.
- Install SQL Server PowerPivot Add-in for SharePoint.

**Correct Answer:**

- For the project type, use the Import from PowerPivot template.
- Install SQL Server PowerPivot Add-in for SharePoint.
- Create a new project by using SQL Server Data Tools.
- Run the PowerPivot Configuration Tool.
- Enter the Default Account username and password.
- Open the Services management console and edit the PowerPivot System Service properties. Change the username and password.
Drag and Drop
You have a single SQL Server 2008 R2 Analysis Services (SSAS) instance. You are planning to upgrade the instance to SQL Server 2012. You need to import an existing PowerPivot workbook to create a tabular project. Which three actions should you perform in sequence?

To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.

Select and Place:

- Install SQL Server PowerPivot Add-in for SharePoint.
- Install an instance of SQL Server 2012 Analysis Services in Tabular mode.
- Install an instance of SQL Server 2012 Analysis Services in Multidimensional and Data Mining mode.
- Use the Import from PowerPivot template as the project type.
- Use the Import from Server (Tabular) template as the project type.
- Open SQL Server Data Tools and create a new project.

Correct Answer:

- Install SQL Server PowerPivot Add-in for SharePoint.
- Install an instance of SQL Server 2012 Analysis Services in Tabular mode.
- Open SQL Server Data Tools and create a new project.
- Use the Import from Server (Tabular) template as the project type.
- Use the Import from PowerPivot template as the project type.

QUESTION 90
Drag and Drop
You are developing a SQL Server Analysis Services (SSAS) cube. You need to reuse a Revenue measure group from a different database. In SQL Server Data Tools (SSDT), which three actions should you perform in sequence?

To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.

Select and Place:

Correct Answer:
Drag and Drop
You are developing a SQL Server Analysis Services (SSAS) multidimensional project that is configured to source data from a SQL Azure database. The largest partition in the cube takes an unacceptably long time to process. The partition must be available for querying as soon as possible after processing commences. You need to ensure that the partition is available for querying as soon as possible, without using source data to satisfy the query. Which three actions should you perform in sequence?

To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.

Select and Place:

- On the Partitions tab, select the partition to edit.
- Open the cube for editing and then select the Partitions tab.
- On the Properties window, change the ProcessingMode property to Regular.
- On the Properties window, change the ProcessingMode property to LazyAggregations.
- Enable proactive caching and then select the Bring Online Immediately option.
- Click Storage Settings and then click Options to open the Storage Options dialog box.

Correct Answer:

- On the Properties window, change the ProcessingMode property to Regular.
- On the Partitions tab, select the partition to edit.
- On the Properties window, change the ProcessingMode property to LazyAggregations.
- Enable proactive caching and then select the Bring Online Immediately option.
- Click Storage Settings and then click Options to open the Storage Options dialog box.
Drag and Drop
You are developing a SQL Server Analysis Services (SSAS) cube. You need to reuse a measure group from a different database. In SQL Server Data Tools (SSDT). Which three actions should you perform in sequence?

To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.

Select and Place:

Correct Answer:

Launch the Business Intelligence Wizard.

Launch the Linked Object Wizard.

From the Select Object step, select only the measure group that you need to link.

From the Select Object step, select the measure group and the dimensions that you need to link.

From the Select a Data Source step, reference the Analysis Services data source.
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