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About CertyIQ

We here at CertyIQ eventually got enough of the industry's greedy exam paid for. Our team of IT professionals comes with years of experience in the IT industry Prior to training CertyIQ we worked in test areas where we observed the horrors of the paywall exam preparation system.

The misuse of the preparation system has left our team disillusioned. And for that reason, we decided it was time to make a difference. We had to make In this way, CertyIQ was created to provide quality materials without stealing from everyday people who are trying to make a living.

Doubt Support

We have developed a very scalable solution using which we are able to solve 400+ doubts every single day with an average rating of 4.8 out of 5.

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John

October 19, 2022



Thanks you so much for your help. I scored 972 in my exam today. More than 90% were from your PDFs!

October 22, 2022



Passed my exam today with 891 marks. Out of 52 questions, 51 were from certyiq PDFs including Contoso case study. Thank You certyiq team!

Dana

September 04, 2022



Thanks a lot for this updated AZ-900 Q&A. I just passed my exam and got 974, I followed both of your Az-900 videos and the 6 PDF, the PDFs are very much valid, all answers are correct. Could you please create a similar video/PDF for DP900, your content/PDF's is really awesome. The team did a really good job. Thank You 😊.

Henry Rome

2 months ago



These questions are real and 100 % valid. Thank you so much for your efforts, also your 4 PDFs are awesome, I passed the DP900 exam on 1 Sept. With 968 marks. Thanks a lot, buddy!

Esmaria

2 months ago



Simple easy to understand explanations. To anyone out there wanting to write AZ900, I highly recommend 6 PDF's. Thank you so much, appreciate all your hard work in having such great content. Passed my exam Today - 3 September with 942 score.

Ahamed Shibly

2 months ago



Customer support is realy fast and helpful, I just finished my exam and this video along with the 6 PDF helped me pass! Definitely recommend getting the PDFs. Thank you!

Microsoft

(MB-500)

Microsoft Dynamics 365

Total: **269 Questions**

Link: <https://certiq.com/papers?provider=microsoft&exam=mb-500>

Question: 1

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Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

You create a new form in a project.

You need to display tabs in a vertical alignment.

Solution: Apply the Operational Workspaces pattern.

Does the solution meet the goal?

A. Yes

B. No

Answer: A

Explanation:

The correct answer be "Yes".

The operational workspace pattern (a.k.a. Workspace Operational) does include a tabbed list that can show form parts.

The fact that it is restricted to form parts should not be relevant to this question, as the question doesn't say the form should show any particular contents or data from a data source.

In the strictest sense of the question, the correct answer would therefore be "Yes".

Reference:

<https://docs.microsoft.com/en-us/dynamics365/fin-ops-core/dev-itpro/user-interface/section-tabbed-list-subpattern>

Question: 2

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Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

You create a new form in a project.

You need to display tabs in a vertical alignment.

Solution: Apply the Details Master pattern.

Does the solution meet the goal?

A. Yes

B. No

Answer: A

Explanation:

A : Vertical alignment is standard layout for Details Master form pattern.

Reference:

<https://docs.microsoft.com/en-us/dynamics365/fin-ops-core/dev-itpro/user-interface/details-master-form>

Question: 3

HOTSPOT -

You are a Dynamics 365 Finance developer.

You need to monitor system performance.

Which tools should you use? To answer, select the appropriate option in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Review overall health of the system, as well as currently running processes and historical data.

Review the load time and latency of different forms.

Review a single process and see the code and SQL statements that are being run.

Tool

<input type="checkbox"/>	LCS Environment Monitoring tool
<input type="checkbox"/>	Fiddler
<input type="checkbox"/>	Trace Parser
<input type="checkbox"/>	SQL Profiler

<input type="checkbox"/>	LCS Environment Monitoring tool
<input type="checkbox"/>	Fiddler
<input type="checkbox"/>	Trace Parser
<input type="checkbox"/>	SQL Profiler

<input type="checkbox"/>	LCS Environment Monitoring tool
<input type="checkbox"/>	Fiddler
<input type="checkbox"/>	Trace Parser
<input type="checkbox"/>	SQL Profiler

Answer:

Answer Area

Requirement	Tool
Review overall health of the system, as well as currently running processes and historical data.	LCS Environment Monitoring tool Fiddler Trace Parser SQL Profiler
Review the load time and latency of different forms.	LCS Environment Monitoring tool Fiddler Trace Parser SQL Profiler
Review a single process and see the code and SQL statements that are being run.	LCS Environment Monitoring tool Fiddler Trace Parser SQL Profiler

Explanation:

Box 1: LCS Environment Monitoring tool

Microsoft Dynamics Lifecycle Services (LCS) provides to help you monitor, diagnose, and analyze the health of the Finance and Operations environments that you manage.

Box 2:Fiddler

Box 3 : Trace Parser

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Question: 4

You are a Dynamics 365 Finance developer. You have a virtual machine that includes Visual Studio. You need to display the elements by model. What should you do?

- A. Select Model management from the menu and then select View all package dependences.
- B. Right-click the Application Object Tree (AOT) node in Application Explorer and select Model View.
- C. Select Metadata Search from the Dynamics 365 menu.
- D. Select Model Management from the menu and then select Refresh Models.

Answer: B

Explanation:

1. In Microsoft Visual Studio, on the Dynamics 365 menu, click Model Management > Refresh Models.
2. Open Application Explorer by clicking View > Application Explorer.

3. Right-click the AOT root node, and then click Model view.

A list of installed models is displayed.

Reference:

<https://docs.microsoft.com/en-us/dynamics365/fin-ops-core/dev-itpro/dev-tools/manage-runtime-packages>

Question: 5

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HOTSPOT -

You have a Dynamics 365 Finance development environment.

You must add default filters to the fleet management form. You must view only sales that occur in the current sales period and where the Customer name field contains the text Wholesales.

You need to configure filtering.

What should you do? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Element	Value
SysQuery method	<input type="checkbox"/> addRangesFromKeyData <input type="checkbox"/> range <input type="checkbox"/> packRangeAndSortOrder <input type="checkbox"/> mergeFilters
SysQueryRangeUtil	<input type="checkbox"/> lessThanDate <input type="checkbox"/> currentDate <input type="checkbox"/> dateRange <input type="checkbox"/> monthRange
Filter clause	<input type="checkbox"/> *Wholesales <input type="checkbox"/> ..Wholesales <input type="checkbox"/> Wholesales* <input type="checkbox"/> *Wholesales*

Answer:

Answer Area

Element	Value
SysQuery method	<div style="border: 1px solid black; padding: 5px; display: inline-block;">addRangesFromKeyData range packRangeAndSortOrder mergeFilters</div>
SysQueryRangeUtil	<div style="border: 1px solid black; padding: 5px; display: inline-block;">lessThanDate currentDate dateRange monthRange</div>
Filter clause	<div style="border: 1px solid black; padding: 5px; display: inline-block;">*Wholesales ..Wholesales Wholesales* *Wholesales*</div>

Question: 6

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HOTSPOT -

You have a Dynamics 365 Finance and Operations development environment.

You must add default filters to the fleet management form. You must view only sales that occur in the current sales period and where the Customer name field contains the next Wholesales.

You need to configure filtering.

What should you do? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Element	Value
SysQuery method	<input type="button" value="▼"/>
	addRangesFromKeyData
	range
	packRangeAndSortOrder
	mergeFilters
SysQueryRangeUtil	<input type="button" value="▼"/>
	lessThanDate
	currentDate
	dateRange
	monthRange
Filter clause	<input type="button" value="▼"/>
	contains *Wholesales
	contains _Wholesales
	contains Wholesales*
	contains *Wholesales*

Answer:

Answer Area

Element	Value
SysQuery method	<div style="border: 1px solid black; padding: 5px; display: inline-block;">addRangesFromKeyData range packRangeAndSortOrder mergeFilters</div>
SysQueryRangeUtil	<div style="border: 1px solid black; padding: 5px; display: inline-block;">lessThanDate currentDate dateRange monthRange</div>
Filter clause	<div style="border: 1px solid black; padding: 5px; display: inline-block;">contains *Wholesales contains _Wholesales contains Wholesales* contains *Wholesales*</div>

Question: 7

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DRAG DROP -

You are configuring your developer environment by using Team Explorer.

There are several developers working on a customization.

You need to ensure that all code is checked in and then merged to the appropriate branches.

In which order should you perform the actions? To answer, move all actions from the list of actions to the answer area and arrange them in the correct order.

NOTE: More than one order of answer choices is correct. You will receive credit for any of the correct orders you select.

Select and Place:

Answer Area

Actions

Map the Microsoft Azure DevOps project to your local developer machine.

Create a test branch.

Create a dev branch.

Connect to the Microsoft Azure DevOps project.

Create a main branch.

Answer:

Answer Area

Actions

Map the Microsoft Azure DevOps project to your local developer machine.

Create a test branch.

Create a dev branch.

Connect to the Microsoft Azure DevOps project.

Create a main branch.

Connect to the Microsoft Azure DevOps project.

Map the Microsoft Azure DevOps project to your local developer machine.

Create a main branch.

Create a test branch.

Create a dev branch.

Explanation:

Connect to the Microsoft Azure DevOps project.

Map the Microsoft Azure DevOps project to your local developer machine.

Create a main branch.

Create a test branch.

Create a dev branch.

<https://docs.microsoft.com/en-us/azure/devops/repos/tfvc/set-up-team-foundation-version-control-your-dev-machine?view=azure-devops>

<https://docs.microsoft.com/en-us/azure/devops/repos/tfvc/branch-folders-files?view=azure-devops>

Question: 8

You are a Dynamics 365 Finance developer.

You need to create an extension class.

Which action should you perform?

- A. Mark the class as final.
- B. Add the class buffer as the first parameter.
- C. Mark the class as protected.
- D. Mark the class as public.

Answer: A**Explanation:**

Extension classes are final classes that are adorned with the ExtensionOf attribute and that also have a name that has the _Extension suffix.

Because the classes are instantiated by the runtime system, it's not meaningful to derive from the extension class. Therefore, the extension class must be marked as final.

Reference:

<https://docs.microsoft.com/en-us/dynamics365/fin-ops-core/dev-itpro/extensibility/method-wrappingcoc>

Question: 9

You are training a new Dynamics 365 Finance developer.

You need to explain the relationships between models, packages, and projects to the new hire.

Which three design concepts should you explain? Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point.

- A. A project can contain elements from multiple models.
- B. A model is a group or collection of elements that constitute a distributable software solution.
- C. A Visual Studio project can belong to more than one model.
- D. A model is a design time concept.
- E. A package is a deployment unit that may contain one or more models.

Answer: BDE**Explanation:**

B: A model is a group of elements, such as metadata and source files, that typically constitute a distributable software solution and includes customizations of an existing solution.

D: A model is a design-time concept, for example a warehouse management model or a project accounting model.

E: A package is a deployment and compilation unit of one or more models.

Reference:

<https://docs.microsoft.com/en-us/dynamics365/fin-ops-core/dev-itpro/dev-tools/models>

Question: 10**DRAG DROP -**

You are a Dynamics 365 Finance developer.

Users must be able to view a filtered customer list from within a workspace.

You need to add the customer form to a workspace.

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 on the correct order.

Select and Place:

Answer Area

Actions

Navigate to the Workspace form and select **Find form to add**.

Select **Workspace and Presentation options**.

Select the **Options** action pane tab and then select **Add to workspace**.

Open the customer form and apply filters to the grid.

Select **Configure**.

Select the General menu item then select **Add to workspace**.

Answer:

Answer Area

Actions

Navigate to the Workspace form and select **Find form to add**.

Select **Workspace and Presentation options**.

Select the **Options** action pane tab and then select **Add to workspace**.

Open the customer form and apply filters to the grid.

Select **Configure**.

Select the General menu item then select **Add to workspace**.

Explanation:

Step 1: Open the customer form and apply filters to the grid.

To add a list to a workspace, first sort or filter the list on the page so that it shows the information as you want it to appear in the workspace.

Step 2: Select the Options actions pane tab and then select Add to workspace

step3: Select Workspace and Presentation options

Step 4: Select Configure -

After you select Configure, a dialog box appears, where you can select the columns that should appear in the list in the workspace.

Question: 11

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DRAG DROP -

You are a Dynamics 365 Finance developer.

You need to troubleshoot performance issues for a client.

Which Lifecycle Services (LCS) tools should you use for each environment? To answer, drag the appropriate environment types to the correct tools. Each environment type may be used once, more than once, or not at all. You may need to drag the split bar between panes scroll to view content.

NOTE: Each correct selection is worth one point.

Select and Place:

Answer Area

Environment types

User Acceptance Testing (UAT) only

Build only

User Acceptance Testing (UAT) and Build

Tool

Activity Monitoring

SQL Insights

System Diagnostics

Environment type

Answer:

Answer Area

Environment types

User Acceptance Testing (UAT) only

Build only

User Acceptance Testing (UAT) and Build

Tool

Activity Monitoring

SQL Insights

System Diagnostics

Environment type

User Acceptance Testing (UAT) and Build

User Acceptance Testing (UAT) only

User Acceptance Testing (UAT) and Build

Explanation:

Box 1: User Acceptance Testing (UAT) and Build

Box 2: User Acceptance Testing (UAT) Only

Not all environments contain all the tools. The following table shows the tools that are available for each type of environment.

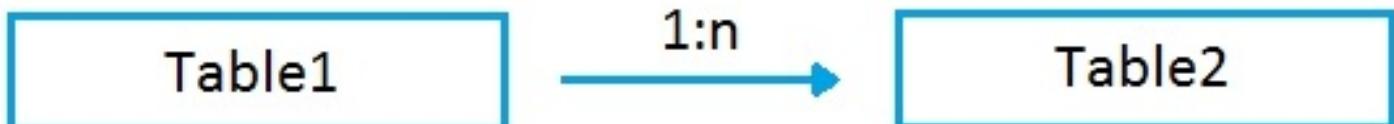
Environment type	Tools
Production systems	<ul style="list-style-type: none"> — Activity monitoring — Environment monitoring — SQL insights — System diagnostics
User acceptance testing (UAT)/sandbox	<ul style="list-style-type: none"> — Activity monitoring — SQL insights — System diagnostics
Demo/build	<ul style="list-style-type: none"> — Activity monitoring — System diagnostics

Box 3: User Acceptance Testing (UAT) and Build

Question: 12

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You are a Dynamics 365 Finance developer. You have two tables as shown in the following exhibit:



You need to configure Table1 to ensure that records cannot be deleted from Table1 if Table2 contains related records.

Which value should you use for the OnDelete property?

- A. None
- B. Cascade
- C. Cascade + Restricted
- D. Restricted

Answer: D

Explanation:

Example of Restricted -

Suppose we have two tables (Customer & Order) and the relation is of One-To-Many i.e Customer can have many orders.

So on a parent table i.e.(Customer) if I set a delete action property to RESTRICTED for Order table. Then If I go and delete the record from a Customer table. It will first check the record in the child table and if exist that warning prompt saying that first we need to delete a record from child table.

Incorrect Answers:

B: Example of Cascade:

Suppose we have two tables (Customer & Order) and the relation is of One-To-Many i.e. Customer can have many orders.

So on a parent table i.e.(Customer) if I set a delete action property to CASCADE for Order table. Then If I go and delete the record from a Customer table. It will also delete all the related records in Order table automatically.

C: Example of Cascade + Restricted

Suppose we have three tables (Person ,Customer & Order) Now Person is a parent of Customer table, and Customer is a parent of Order table having (One-To-

Many) relations -

If I set a Delete action property on Person table to CASCADE for customer table and If I set a Delete Action property on a CUSTOMER table for Order table to CASCADE +RESTRICTED.

So if I delete a record from Customer table then It will first check the record in the child table(order table) and if exist that warning prompt saying that first we need to delete a record from child table.

But if I delete a record from Person table it will automatically delete a record in Customer table and all records related to customer table in Order table would also be deleted.

Reference:

<https://amazingax.wordpress.com/2013/01/13/microsoft-dynamics-ax-2012example-of-cascaderestricted-and-cascade-restricted-delete-action-property-for-a-table-relation/>

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Question: 13

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

You create a new form in a project.

You need to display tabs in a vertical alignment.

Solution: Apply the Simple List pattern.

Does the solution meet the goal?

A. Yes

B. No

Answer: B

Explanation:

No". The Simple List pattern doesn't have a slot for adding a tab, and trying to add a tab control will cause the form to no longer be compliant with the Simple List pattern, even though it still compiles.

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Question: 14

DRAG DROP -

You need to map the Dynamics 365 Finance components into the standard models.

Which component belongs to which model? To answer, drag the appropriate models to the correct components.

Each model may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

Select and Place:

Models

Application Platform

Application Suite

Application Foundation

Answer Area

Component

Number Sequence

Global Address Book

Workflow & Services

SSRS Reporting

Model

[Red Box]

[Red Box]

[Red Box]

[Red Box]

Answer:

Models

Application Platform

Application Suite

Application Foundation

Answer Area

Component

Number Sequence

Global Address Book

Workflow & Services

SSRS Reporting

Model

Application Foundation

Application Foundation

Application Platform

Application Platform

Explanation:

Reference:

<https://docs.microsoft.com/en-us/dynamics365/fin-ops-core/dev-itpro/dev-tools/application-stack-server-architecture>

Question: 15

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Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

You create a new form in a project.

You need to display tabs in a vertical alignment.

Solution: Apply the Table of Contents pattern.

Does the solution meet the goal?

A. Yes

B. No

Answer: A

Explanation:

See documentation "The vertical arrangement of tabs implies the order of completion"

A". Pattern have vertical tabs.

Question: 16

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DRAG DROP -

A company uses Dynamics 365 Supply Chain Management.

You need to monitor system performance.

Which tool should you use? To answer, drag the appropriate tools to the correct requirements. Each tool may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

Select and Place:

Tools

Activity monitoring

SQL insights

Health metrics

Answer Area

Requirement

Determine what a user was doing during a specific time period

Identify the number of distinct user sessions

View a list of transaction locks

Tool

Tool

Tool

Tool

Answer:

Tools

Activity monitoring

SQL insights

Health metrics

Answer Area

Requirement

Determine what a user was doing during a specific time period

Identify the number of distinct user sessions

View a list of transaction locks

Tool

Activity monitoring

Activity monitoring

SQL insights

Explanation:

Reference:

<https://docs.microsoft.com/en-us/dynamics365/fin-ops-core/dev-itpro/lifecycle-services/monitoring-diagnostics> <https://docs.microsoft.com/en-us/dynamics365/fin-ops-core/dev-itpro/lifecycle-services/performance-troubleshooting>

Question: 17

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You are implementing Dynamics 365 Supply Chain Management for a customer.

The complete solution involves an ISV product that was obtained from Microsoft AppSource.

You notice that there is a significant slowdown in certain screens once the ISV product is installed.

You need to determine the cause of the issue.

Which Lifecycle Services (LCS) tool or functionality should you use?

- A. SQL Server Runtime
- B. SQL Insights
- C. Regression suite automation tool (RSAT)

D. Impact analysis report

E. Issue search

Answer: B

Explanation:

SQL insights. The Monitoring and diagnostics portal also includes advanced SQL troubleshooting tools to enable performance analysis.

All SQL performance tools in LCS are available under the SQL Insights tab on the Environment Monitoring page for a specific environment.

Lifecycle Services (LCS) tools include:

Environment type	Tools
Production systems	<ul style="list-style-type: none">Activity monitoringEnvironment monitoringSQL insightsSystem diagnostics
User acceptance testing (UAT)/sandbox	<ul style="list-style-type: none">Activity monitoringSQL insightsSystem diagnostics
Demo/build	<ul style="list-style-type: none">Activity monitoringSystem diagnostics
Environments deployed in customer/partner subscriptions	<ul style="list-style-type: none">System diagnostics

Reference:

<https://docs.microsoft.com/en-us/dynamics365/fin-ops-core/dev-itpro/lifecycle-services/monitoring-diagnistics>

Question: 18

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You are training a new Dynamics 365 Finance developer.

You need to recommend where asynchronous integrations should be used instead of synchronous integrations.

For which scenario should you recommend asynchronous integration?

- A retailer requires all new customer data captured at point of sale (POS) terminals through the day sent back to the system.
- A retailer wants to ensure gift card balances are communicated back to the system from point of sale (POS) terminals in near real-time.
- A manufacturer wants to move production data from an on-premises deployment Dynamics 365 Finance in near real-time.
- A warehouse wants to track movement of all inventory from scanners to the system.

Answer: A

Explanation:

An asynchronous pattern is a non-blocking pattern, where the caller submits the request and then continues without waiting for a response.

Typical scenarios and patterns that use batch data integrations (asynchronous pattern)

Here is a typical scenario that uses batch data APIs.

Import large volumes of sales orders

A company receives a large volume of sales orders from a front-end system that runs on-premises. These orders must periodically be sent to the application for processing and management.

Incorrect:

Not B, Not C, Not D: A synchronous pattern is a blocking request and response pattern, where the caller is blocked until the callee has finished running and gives a response.

Reference:

<https://docs.microsoft.com/en-us/dynamics365/fin-ops-core/dev-itpro/data-entities/integration-overview>

Question: 19

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A company has a cloud-based installation of Dynamics 365 Finance.

A user reports slow response times in the application when accessing the production environment.

You need to diagnose the performance issue by using the Environment monitoring tool.

Which two features of the Environment monitoring tool should you use? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

- A. System diagnostics
- B. Customization analysis
- C. Health metrics
- D. Availability monitoring
- E. SQL insights

Answer: CE

Explanation:

CE: Environment monitoring is a simple way to access current activity on environments in your Finance and Operations apps implementation. By using the

Environment Monitoring and SQL Insights that come in a user-friendly dashboard, you can see measurements and diagnostics of your environment's health.

Within the Health metrics dashboard, some issues are reported directly to the Microsoft Service Engineering Team and some are mitigated immediately. If there are any concerns regarding performance, this is a good way to gain insight into potential issues.

E: All SQL performance tools in LCS are available under the SQL Insights tab on the Environment Monitoring page for a specific environment.

Reference:

<https://docs.microsoft.com/en-us/learn/modules/performance-monitoring-finance-operations/5-health-lcs> <https://docs.microsoft.com/en-us/dynamics365/fin-ops-core/dev-itpro/lifecycle-services/performancetroubleshooting>

Question: 20

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A company uses Dynamics 365 Supply Chain Management. You create a customization in a development environment.

You need to create a software deployable package so that you can deploy the customization to a test environment. What are two possible ways to achieve the goal? Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point.

- A. In Visual Studio, export the project and upload the project to the asset library.
- B. In Azure DevOps, queue a build from the corresponding branch and upload the package to the asset library.
- C. In Azure DevOps, extract the model from a package and upload the model to the asset library.
- D. In Visual Studio, create a Dynamics 365 deployment package and upload the package to the asset library.

Answer: BD

Explanation:

B: Create deployable packages in Azure Pipelines

If you want to deploy customizations to an environment, a deployable package is required in Microsoft Dynamics Lifecycle Services (LCS). You can create this package by using Azure Pipelines during a build or release process.

D: Create a deployable package -

We recommend using a build environment to create deployable packages. You can also create a deployable package on a development environment.

1. On a development environment, after you have completed development and testing, follow these steps to create a deployable package in Visual Studio.
2. In Microsoft Visual Studio, select Dynamics 365 > Deploy > Create Deployment Package.
3. Select the packages that contain your models, and then select a location in which to create the deployable package.
4. After a deployable package is created, sign in to Lifecycle Services, and then, in your LCS project, click the Asset Library tile.
5. Upload the deployable package that you created earlier.

Reference:

<https://docs.microsoft.com/en-us/dynamics365/fin-ops-core/dev-itpro/dev-tools/pipeline-create-deployable-package> <https://docs.microsoft.com/en-us/dynamics365/fin-ops-core/dev-itpro/deployment/create-apply-deployable-package>

Question: 21

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DRAG DROP

A company uses Dynamics 365 Finance. The company creates an asset library.

You need to upload assets for a solution to the asset library.

Which asset types should use? To answer, drag the appropriate asset types to the correct activities. Each asset type may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

Asset type	Answer Area	Activity	Asset type
GER configuration		Upload a logo of various sizes to be used in other environments	
Marketing asset		Upload an electronic report to be used for a free text invoice in Dynamics 365 Finance	
Retail SDK		Upload a region-specific solution developed for a ledger account in the form of an ISV	
Localized financial report			

Answer:

Answer Area

Activity	Asset type
Upload a logo of various sizes to be used in other environments	Marketing asset
Upload an electronic report to be used for a free text invoice in Dynamics 365 Finance	GER configuration
Upload a region-specific solution developed for a ledger account in the form of an ISV	Localized financial report

Question: 22

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A company uses Dynamics 365 Finance.

You create a new form that must have the ability to open from the menu.

You need to set up the form for the menu.

What should you add to the menu?

- A.display menu item
- B.menu reference
- C.output menu item
- D.action menu item

Answer: A

Explanation:

Correct answer is A:display menu item

Question: 23

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DRAG DROP

A company is implementing Dynamics 365 Finance.

You are extending the standard fixed asset functionality to develop a new feature.

You need to select the appropriate components for the solution.

Which components should you use? To answer, drag the appropriate components to the correct requirements. Each component may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

Component	Answer Area	Requirement	Component
Model		Group elements for deployment as a unit.	
Package		Manage and organize a group of elements during development.	
Project			

Answer:

Component	Answer Area	Requirement	Component
Model		Group elements for deployment as a unit.	
Package		Manage and organize a group of elements during development.	
Project			

Explanation:

1) Model. 2) Project.

Question: 24

CertyIQ

HOTSPOT

You are building analytical components for users in Dynamics 365.

You need to determine the appropriate component to use for several scenarios.

Which component should you use for each scenario? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Answer Area

Scenario	Component
Users need to see updated information in an object that can be pinned on their workspace.	<input type="checkbox"/> Tile <input type="checkbox"/> Enumeration <input type="checkbox"/> Dashboard
A default homepage must be based on a user's security role.	<input type="checkbox"/> Dashboard <input type="checkbox"/> Self-service BI <input type="checkbox"/> Tile
Users must be able to modify or create new analytic content.	<input type="checkbox"/> Embedded BI <input type="checkbox"/> Contextual BI <input type="checkbox"/> Self-service BI

Answer:

Answer Area

Scenario	Component
Users need to see updated information in an object that can be pinned on their workspace.	<input checked="" type="checkbox"/> Tile <input type="checkbox"/> Enumeration <input type="checkbox"/> Dashboard
A default homepage must be based on a user's security role.	<input checked="" type="checkbox"/> Dashboard <input type="checkbox"/> Self-service BI <input type="checkbox"/> Tile
Users must be able to modify or create new analytic content.	<input type="checkbox"/> Embedded BI <input type="checkbox"/> Contextual BI <input checked="" type="checkbox"/> Self-service BI

Explanation:

tile and second dashboard

Question: 25

CertyIQ

You need to prepare to deploy a software deployable package to a test environment.

What should you do to prepare?

- A.In Visual Studio, create a Dynamics 365 deployment package and upload the package to the asset library.
- B.In Azure DevOps, queue a build from the corresponding branch and upload the model to the asset library.
- C.In Azure DevOps, queue a build from the corresponding branch and upload the package to the asset library.

Answer: A

Explanation:

<https://learn.microsoft.com/en-us/dynamics365/fin-ops-core/dev-itpro/deployment/create-apply-deployable-package>

Question: 26

CertyIQ

DRAG DROP

A banking company is creating custom functionality to consolidate and post financial transactions.

You need to create menu items for the following business processes:

- Process1 – Automatically check new transactions against validation rules every hour.
- Process2 – Manually review and correct transactions that have errors. No preprocessing is done.
- Process3 – Export transactions to another system when they successfully post.

You need to select the menu item type for each process.

Which menu item types should you use? To answer, drag the appropriate menu item types to the correct processes. Each menu item type may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

Menu item types

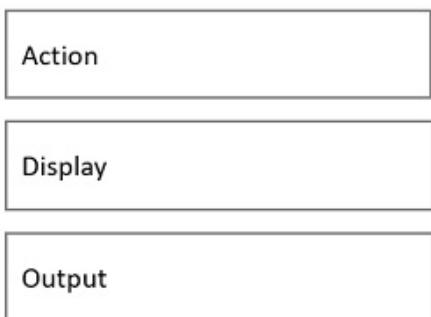
Action
Display
Output

Answer Area

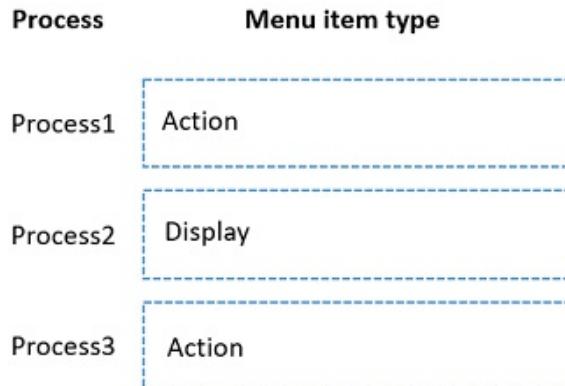
Process	Menu item type
Process1	
Process2	
Process3	

Answer:

Menu item types



Answer Area



Explanation:

Action, Display, Action

Question: 27

CertyIQ

You are training a new Dynamics 365 Finance developer.

You need to recommend where asynchronous integrations should be used instead of synchronous integrations.

For which scenario should you recommend asynchronous integration?

- A. A company uses workflow for purchasing approvals, which then sends just-in-time approval information to a third-party application for approvers to review.
- B. A manufacturer wants to move production data from an on-premises deployment Dynamics 365 Finance in near real-time.
- C. A company uses an on-premises inventory management system that needs to receive sales order data every hour throughout the day.
- D. A warehouse wants to track movement of all inventory from scanners to the system.

Answer: C

Explanation:

A company uses an on-premises inventory management system that needs to receive sales order data every hour throughout the day.

Question: 28

CertyIQ

You are a Dynamics 365 Finance developer.

You need to create an extension class.

Which action should you perform?

- A. Mark the class as final.
- B. Mark the class as public.

C. Add the suffix .extension to the file name.

D. Mark the class as protected.

Answer: A

Explanation:

Mark the class as final.

Question: 29

CertyIQ

DRAG DROP

A company plans to implement Dynamics 365 Finance.

The company is unsure whether to use a cloud implementation or an on-premises implementation.

You need to determine the features that you can use for each implementation.

Which feature can you use? To answer, drag the appropriate features to the correct implementation types. Each feature may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

Features	Answer Area	
	Implementation type	Feature
Mobile app, workspaces, and platform	Cloud only	
Save or load task recordings from the BPM library	On-premises only	
Integration with Power BI Desktop	Both cloud and on-premises	

Answer:

Answer Area	
Implementation type	Feature
Cloud only	Mobile app, workspaces, and platform
On-premises only	Integration with Power BI Desktop
Both cloud and on-premises	Save or load task recordings from the BPM library

Question: 30

CertyIQ

Case study -

This is a case study. Case studies are not timed separately. You can use as much exam time as you would like to complete each case. However, there may be additional case studies and sections on this exam. You must manage

your time to ensure that you are able to complete all questions included on this exam in the time provided.

To answer the questions included in a case study, you will need to reference information that is provided in the case study. Case studies might contain exhibits and other resources that provide more information about the scenario that is described in the case study. Each question is independent of the other questions in this case study.

At the end of this case study, a review screen will appear. This screen allows you to review your answers and to make changes before you move to the next section of the exam. After you begin a new section, you cannot return to this section.

To start the case study -

To display the first question in this case study, click the Next button. Use the buttons in the left pane to explore the content of the case study before you answer the questions. Clicking these buttons displays information such as business requirements, existing environment, and problem statements. When you are ready to answer a question, click the Question button to return to the question.

Background -

Munson's Pickles and Preserves Farm produces and sells jarred food goods. The organization has several production and warehouse locations across the United States. Each location runs both production and warehousing operations. The company has three locations: East, Central, and West.

The company is upgrading its Dynamics AX 2009 system to Dynamics 365 Finance.

Current environment. General -

Munson's Pickles and Preserves Farm plans to migrate customizations, data, and integration from its legacy system into Dynamics 365 finance and operations apps.

The Dynamics 365 finance and operations environment includes:

- multiple cloud-hosted development environments using Microsoft Visual Studio 2017
- a Microsoft Azure DevOps project for source control
- two tier 2 environments for user acceptance testing and staging, as well as production

Munson's Pickles and Preserves Farm is currently in the planning and development phase of the upgrade process. The company's internal development team needs additional development resources to address issues. The company already created a project that is set up to use a custom model named GPExtensions.

Current environment. Integrations

Munson's Pickles and Preserves Farm has a new integration for its freight processing information. The internal development team created the secure file transfer protocol (SFTP) site for the source information to be stored and the staging table to house the source information once the data is added to Dynamics 365 Finance. Information from the source will be transferred once a day from the source system and integrated with the target system. More than 10,000 records will be transferred over the integration. The company created an aggregate entity for the integration to minimize the amount of transmitted data.

Munson's Pickles and Preserves Farm has added a new integration for freight processing where all item weights, dimensions, and other factors will be configured in the external portal while planning the loads. Once the load is planned, it will be integrated into Dynamics 365 finance and operations apps for the freight invoice processing to occur.

No duplicate invoices or posting are associated with the freight invoice charges. The integration of this information from the source system is intended only for report creation and compilation purposes.

Current environment. Planned changes

Munson's Pickles and Preserves Farm wants to change inventory forms to fit its current needs. Any modifications or enhancements must follow the existing functionality for forms in Dynamics 365 Finance.

Requirements. Integrations -

All data from integrations have the same format as an existing Dynamics 365 Finance apps field. All enhancements or customizations must use existing assets before creating new functionality.

Munson's Pickles and Preserves Farm wants to change its integration strategy to include real-time data from the freight processing source system. The inventory must update as it is sold from the system. That information will be updated in Dynamics 365 Finance.

The freight processing integration requires the use of an SFTP site to store XML files from the source system. The additional integration will use OData and must be transferred in real time.

A periodic batch job must:

- Pull data from the SFTP site.
- Import the data to a staging table used to hold the information from the source system.
- Map source data to the target table in Dynamics 365 Finance.

The imported Load ID field must be added to the Sales Order header for all processed orders. Additional requirements for integrations, including other integration strategies, may be necessary as the company grows. Existing tables must be changed to include the Load ID. The database will need to be synched before adding the Load ID field.

Requirements. Changes -

Munson's Pickles and Preserves Farm must change the Inventory Status form to include more columns. It plans to create a table to enter the data for the Inventory Status form as a new data source. The company wants to add both the Product Name field and Batch ID field to this new table. The current form includes the item number, location, license plate, product inventory dimensions, and quantity.

The grid on the Inventory Status form must include the product name by using the item number and legal entity. The user interface must be created to include the new columns and the data must be available to add to the grid. The form must have only an Action Pane, a Navigation List, a List Style Grid, a Details Header, and a Details Tab in the design and include the Load ID field.

Munson's Pickles and Preserves Farm is currently in the process of adding the other required fields: one for Product Name and one for Batch ID. The new fields must be related to extended data types for the original fields on the existing data source for the Inventory Status form. Munson's Pickles and Preserves Farm plans to add the EcoResProductName and Batch ID data to the extended table for WHSTmpStatusChange. The fields on the table extension must be populated with data and visible on the Inventory Status form on insert.

Issues -

- The internal development team has created the SFTP site connections, the staging table, and the batch jobs for the new integration for freight processing. The development team needs to map the source data to the target table and the data management workspace. The development team notices errors with mapping target fields in the data management workspace. The team needs another developer to configure the table extensions, class extensions, and form extensions that are required for the planned changes.
- The internal development team has issues adding the required fields to the Inventory Status standard form. The team needs another developer to configure the table extensions, class extensions, and form extensions that are required for the planned changes.

You need to apply a pattern to the newly created form to satisfy the requirements.

Which form pattern should you apply?

- A.Simple List and Details
- B.Table of Contents
- C.List Page
- D.Details Master

Answer: A

Explanation:

Correct answer is A:Simple List and Details.

Question: 31**CertyIQ**

You need to prepare to deploy a software deployable package to a test environment.

What should you do to prepare?

- A.In Azure DevOps, queue a build from the corresponding branch and upload the package to the asset library.
- B.In Visual Studio, export the project and upload the project to the asset library.
- C.In Azure DevOps, queue a build from the corresponding branch and upload the model to the asset library.

Answer: A**Explanation:**

In Azure DevOps, queue a build from the corresponding branch and upload the package to the asset library.

Question: 32**CertyIQ**

DRAG DROP

-

You have an Azure DevOps project that has Dev and Test branches.

The Test branch is used for deploying artifacts in a test environment.

You must merge code from the last Dev branch and check-in the code to Test.

In which order should you perform the actions? To answer, move all actions from the list of actions to the answer area and arrange them in the correct order.

Actions	Answer area
In the Source Control Merge wizard, set the target branch to Test .	
In the Source Control Merge wizard, select Selected changesets.	
Right-click the Test branch and select Merge.	
Connect a Visual Studio workspace to an Azure DevOps project.	
Map the Test branch to a local folder on your machine.	

Answer:**Answer area**

Connect a Visual Studio workspace to an Azure DevOps project.
Map the Test branch to a local folder on your machine.
In the Source Control Merge wizard, set the target branch to Test .
In the Source Control Merge wizard, select Selected changesets.
Right-click the Test branch and select Merge.

Explanation:

Connect a Visual studio workspace to an Azure Devops Project.

Map the test branch to a local folder on your machine.

In the source control merge wizard set the target branch to test.

In the source control merge wizard select selected changesets.

Right-click the test branch and select Merge.

Question: 33

CertyIQ

You are a Dynamics 365 Finance developer.

You need to ensure that an integration is triggered when a specific process starts.

Which tool should you use to retrieve the status from the Production order?

- A. Batch job
- B. Periodic flow
- C. Business event
- D. Recurring Data Entity export

Answer: C

Explanation:

Business events can be used as triggers from D365FO in Power Automate/MS Flow in an end to end way.

Reference:

<https://community.dynamics.com/ax/b/happyd365fo/posts/triggers-using-business-event-in-power-automate-and-microsoft-dynamics-365-finance-and-operations>

Question: 34

CertyIQ

HOTSPOT -

You create the following cloud-based Dynamics 365 Finance environments:

Name	Comments
Development	Visual Studio workspace is configured and connected to an Azure DevOps branch.
Build	A Build pipeline is configured.
Standard Acceptance Test	This is a sandbox environment for testing customizations.

A developer creates code extensions in the Development environment. The developer checks the code changes into an Azure DevOps branch.

You need to deploy the code changes to the Standard Acceptance Test environment.

What should you do? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

How should you prepare the package?

Export the Visual Studio project as an .axpp file.
Build the code in a DevOps pipeline.
Export the Visual Studio solution as a file.

In which section of the Lifecycle Services (LCS) should you store the package?

Work items
Solution management
Asset library

How should you install the customization?

Select Maintain and then Apply updates.
Select Maintain and then Upgrade.
Select LCS project and then Business process modeler.
Select LCS project and then Code upgrade.

Answer:

Answer Area

How should you prepare the package?

Export the Visual Studio project as an .axpp file.
Build the code in a DevOps pipeline.
Export the Visual Studio solution as a file.

In which section of the Lifecycle Services (LCS) should you store the package?

Work items
Solution management
Asset library

How should you install the customization?

Select Maintain and then Apply updates.
Select Maintain and then Upgrade.
Select LCS project and then Business process modeler.
Select LCS project and then Code upgrade.

Explanation:

Box 1: Build the code in the DevOps pipeline.

Box 2: Asset library -

Run the export to the Asset library in Microsoft Dynamics Lifecycle Services (LCS).

Box 3: Select Maintain and Apply updates.

eprovision the target environment

If you copy a database between environments, the copied database won't be fully functional until you run the Environment reprovisioning tool to make sure that all Commerce components are up to date.

Follow these steps to run the Environment reprovisioning tool.

1. In your project's Asset Library, in the Software deployable packages section, click Import.
2. From the list of shared assets, select the Environment Reprovisioning Tool.
3. On the Environment details page for your target environment, select Maintain > Apply updates.
4. Select the Environment Reprovisioning tool that you uploaded earlier, and then select Apply to apply the package.
5. Monitor the progress of the package deployment.

Reference:

<https://docs.microsoft.com/en-us/dynamics365/fin-ops-core/dev-itpro/database/dbmovement-scenario-expo>
rtuat#back-up-to-the-asset-library

Question: 35

CertyIQ

You are a Dynamics 365 Finance developer. You make changes to an existing custom class. The code comparison tool shows version conflicts between your version and the latest checked-in version of the custom class. In Visual Studio, you open the Source Control Explorer. You locate the latest changeset for the class and you open the changeset in Team Explorer. You need to compare the latest code that is in source control with the code that you created. Which option should you use?

- A. Compare with Workspace Version
- B. Compare with Previous Version
- C. View History
- D. Compare with Latest Version

Answer: A

Explanation:

Correct answer is A, it says you open the latest changeset and compare it to your version (which gives conflict) so you compare it to your local code then, which is Compare to Workspace version.

Question: 36

CertyIQ

You are a Dynamics 365 Finance developer. You are testing a workflow in a user acceptance testing environment. You need to ensure that a specific user can accept purchase requisitions only if the requisition is in a specific status.

Which two options can you configure to achieve the goal? Each correct answer presents a complete solution.
NOTE: Each correct selection is worth one point.

- A. manual decision
- B. approval process
- C. conditional decision
- D. automated task
- E. manual task

Answer: BC

Explanation:

B: The approval step that you're configuring might be required only if specific conditions are met.

C: A conditional decision is a point at which a workflow divides into two branches. The system determines which branch is used by evaluating the submitted document to determine whether it meets specific

conditions.

Reference:

<https://docs.microsoft.com/en-sg/dynamics365/fin-ops-core/fin-ops/organization-administration/configure-conditional-decision-workflow>

Question: 37

CertyIQ

DRAG DROP -

A company implements Dynamics 365 finance and operations apps.

You are developing code to consume OData service endpoints. You complete the application registration process and gather the details required to create a C# console application.

You need to ensure that the console application interacts with Dynamics 365 Finance OData services.

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:

Actions

Answer Area

Add the custom OData service endpoints in the ODataClient list.



Add the OData v4 client code generator.



Point the MetadataDocumentUri variable to the Dynamics 365 Finance instance.



Generate proxy classes.

Answer:

Actions

Answer Area

Add the OData v4 client code generator.



Add the custom OData service endpoints in the ODataClient list.



Generate proxy classes.



Point the MetadataDocumentUri variable to the Dynamics 365 Finance instance.

Explanation:

Step 1: Add the OData v4 client code generator

Install OData Client Code Generator

Step 2: Add the custom OData service endpoints to the ODataClient list

After you downloaded, installed the OData V4 Client Code Generator and restart the Visual Studio you will be

able to find and add 'OData Client' item into our project.

Step 3: Generate proxy classes -

Step 4: Point the MetaDataDocumentURI variable top the Dynamics 365 Finance instance

You need to set MetaDataDocumentURI, which is generated by the OData Code Generator.

Reference:

<https://devblogs.microsoft.com/odata/tutorial-sample-how-to-use-odata-client-code-generator-to-generate-client-side-proxy-class/> <https://www.netwoven.com/2018/05/29/how-to-create-client-side-odata-proxy-dll-for-microsoft-dynamics-365-for-finance-and-operations-ax/>

Question: 38

CertyIQ

You are a Dynamics 365 Supply Chain Management developer.

You are working on a project by using Visual Studio.

Several users check out a custom form version control and modify the form.

You need to find the user that has added a specific line of code to the form.

What should you do?

- A. Open the object in Object Designer, select the title of the object, and then right-click View History.
- B. In Solution Explorer, navigate to the object and right-click View History.
- C. Using Visual Studio, navigate to the object. Add the object to a new solution, and then right-click View History.
- D. Using Visual Studio, navigate to the object in Application Explorer and right-click View History.

Answer: B

Explanation:

B is good one <https://docs.microsoft.com/en-us/dynamics365/fin-ops-core/dev-itpro/dev-tools/version-control-metadata-navigation> Look at section "Experiment with source control" point 10) On screenshot you have "View History" under "Solution Explorer"

Question: 39

CertyIQ

DRAG DROP -

An error occurs when an employee creates a new workflow using a custom approval element to track the status of a document.

You need to ensure that the workflow is created correctly.

In which order should you perform the actions? To answer, move all actions from the list of actions to the answer area and arrange them in the correct order.

Select and Place:

Actions

Answer area

- Develop the workflow approval component.
- Configure the business process steps.
- Create a workflow structure.
- Enable the workflow for the business scenario.



Answer:

Actions

Answer area

Create a workflow structure.
Configure the business process steps.
Develop the workflow approval component.
Enable the workflow for the business scenario.

**Explanation:**

Step 1: Create a workflow structure

First create the structure.

The Workflow elements area of the workflow editor contains the elements that you can add to your workflow.

To add elements to the workflow, drag them onto the canvas.

Follow by (step 2) configure each element that you dragged onto the canvas.

Step 2: Configure the business process steps.

Step 3: Develop the workflow approval component.

Configure an approval step in the workflow editor, right-click the approval step, and then click Properties to open the Properties page. Then configure the properties of the approval step.

Note: Further steps include:

Assign the approval step. Specify when the approval step is required.

You can specify when the approval step is required. The approval step can always be required, or it can be required only if specific conditions are met.

Step 4: Enable the workflow for the business scenario.

When you're ready to save and activate the workflow.

Reference:

<https://docs.microsoft.com/en-us/dynamics365/fin-ops-core/fin-ops/organization-administration/create-workflow?toc=/dynamics365/commerce/toc.json> <https://docs.microsoft.com/en-us/dynamics365/fin-ops-core/fin-ops/organization-administration/configure-approval-step-workflow>

CertyIQ**Question: 40****HOTSPOT -**

A company uses Dynamics 365 Finance and Dynamics 365 Supply Chain Management. The company wants to use new functionality that relates to purchase requisitions.

You need to promote the new functionality to a test environment.

What should you do? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area**Requirement**

Export the functionality from the current environment

Action

Create a deployment package from the model
Create an extension as a managed solution
Export the model from the Application Object Tree (AOT)
Export the project and create an .axpp file

Import the functionality into the test environment

Apply the update to the environment in Lifecycle Services
Import the extension as a managed solution
Import the extension to Azure Data Lake
Upload the extension into the Lifecycle Services Asset library

Answer:**Answer Area****Requirement****Action**

Export the functionality from the current environment

Create a deployment package from the model
Create an extension as a managed solution
Export the model from the Application Object Tree (AOT)
Export the project and create an .axpp file

Import the functionality into the test environment

Apply the update to the environment in Lifecycle Services
Import the extension as a managed solution
Import the extension to Azure Data Lake
Upload the extension into the Lifecycle Services Asset library

Explanation:

Box 1: Export the model from the Application Object Tree (AOT)

Export a model into a model file for distribution

To export an existing model into a model file, use the ModelUtil.exe tool and the -export directive.

Typically, you then upload the model file to the Asset Library of the customer project or the Microsoft Dynamics Lifecycle Services (LCS) solution project.

To export an existing model into a model file, use the ModelUtil.exe tool and the -export directive.

ModelUtil.exe -export -metadatastorepath=[path of the metadata store] -modelname=[name of the model to export] -outputpath=[path of the folder where the model file should be saved]

Note: Model files let you distribute models to customers and partners, and can be installed in development environments. They are key components of a Lifecycle Services (LCS) solution.

Model files contain a model descriptor file, metadata, source code, and referenced .NET assemblies (when applicable).

Note: In Microsoft Dynamics AX, the Application Object Tree (AOT) contains all of the definitions of elements that are used to build Microsoft Dynamics AX, such as classes, tables, forms, and so on. This topic provides an overview of the AOT and defines the top-level nodes.

Box 2: Apply the update to the environment in Lifecycle Services.

Install a model in a development environment

To install a model file in a development environment, use the ModelUtil.exe tool and the -import directive.

ModelUtil.exe -import -metadatastorepath=[path of the metadata store where model should be imported] -file=[full path of the file to import]

If the model already exists in your development environment, you must first delete it by using the -delete directive.

Reference:

<https://docs.microsoft.com/en-us/dynamics365/fin-ops-core/dev-itpro/dev-tools/models-export-import> <https://docs.microsoft.com/en-us/dynamicsax-2012/developer/aot-overview>

Question: 41

HOTSPOT

-

You are a Dynamics 365 Finance developer.

You have the following source control branches:

CertyIQ

Branch	Associated environment
Dev	Development
Main	Test

You need to move the list of changesets from the development environment to the test environment.

What should you do? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Select a starting branch for the merge operation

	▼
Dev	
Main	

Select the source branch

	▼
Dev	
Main	

Select the destination branch

	▼
Dev	
Main	

Answer:

Select a starting branch for the merge operation

	▼
Dev	
Main	

Select the source branch

	▼
Dev	
Main	

Select the destination branch

	▼
Dev	
Main	

HOTSPOT

You are using the Metadata search tool in Visual Studio.

You need to select the appropriate query string for various scenarios.

Which query string should you use? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Answer Area

Scenario	Query string
Find tables that have method names that contain the word insert .	<div style="border: 1px solid black; padding: 5px;"><code>type:table.method name:insert type:tables,method name:insert type:table.method name:insert() type:tables.method name:insert()</code></div>
Find forms where the form name includes the phrase ccount .	<div style="border: 1px solid black; padding: 5px;"><code>type:forms like ccount type:form like ccount type:forms ccount type:form ccount</code></div>

Answer:

Answer Area

Scenario	Query string
Find tables that have method names that contain the word insert .	<div style="border: 1px solid black; padding: 5px;"><code>type:table.method name:insert type:tables,method name:insert type:table.method name:insert() type:tables.method name:insert()</code></div>
Find forms where the form name includes the phrase ccount .	<div style="border: 1px solid black; padding: 5px;"><code>type:forms like ccount type:form like ccount type:forms ccount type:form ccount</code></div>

Explanation:

`type:tables ,method name:insert`
`type:form ccount`

Question: 43

CertyIQ

DRAG DROP

You are a Dynamics 365 Finance developer.

A long running process times out in the system.

You need to implement the asynchronous framework to resolve this issue.

Which class runAsync method should you use for each use case? To answer, drag the appropriate classes to the correct use cases. Each class may be used once, more than once, or not at all.

NOTE: Each correct selection is worth one point.

Classes	Answer Area	Use case	Class
FormRun		The process is run outside the client.	
Global		Display a message when the process is completed without a page refresh.	
		The page must be refreshed for the message to be displayed.	

Answer:

Use case	Class
The process is run outside the client.	Global
Display a message when the process is completed without a page refresh.	FormRun
The page must be refreshed for the message to be displayed.	Global

Question: 44

CertyIQ

HOTSPOT

You are a Dynamics 365 finance developer. You check out elements from version control in order to make modifications.

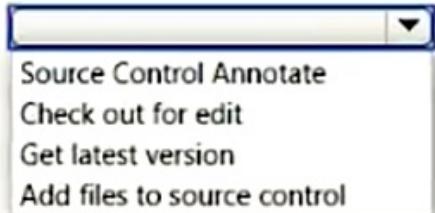
You need to check in the modified elements to version control.

What should you do? To answer, select the appropriate option in the answer area.

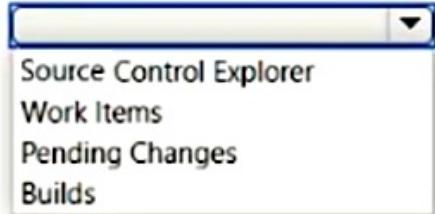
NOTE: Each correct selection is worth one point.

Answer Area

Right-click the modified element and select:



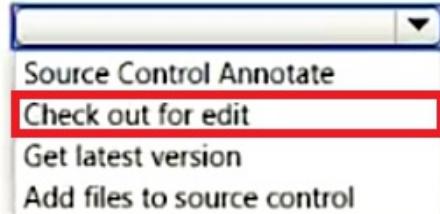
In Team Explorer, check in changes using the following option:



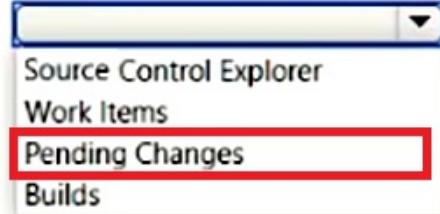
Answer:

Answer Area

Right-click the modified element and select:



In Team Explorer, check in changes using the following option:



Explanation:

Check out for edit.

Pending changes.

Question: 45

DRAG DROP

-

A company is creating custom functionality to manage rentals by using Dynamics 365 Supply Chain Management.

You need to create menu items for the following business processes:

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- Create new rental in a form grid.
- View a list of all rental assets in an interactive form.
- Create late fee charges once a week based on unreturned items.

You need to create the menu items.

Which menu item types should you use? To answer, drag the appropriate menu item types to the correct business process. Each menu item type may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

Menu item types	Answer Area	Business process	Menu item type
Action	•	Create new rentals.	
Display	•	View all rental assets.	
Output	•	Create late fees.	

Answer:

Answer Area

Business process	Menu item type
Create new rentals.	Display
View all rental assets.	Output
Create late fees.	Action

Explanation:

Display.

Output.

Action.

Question: 46

CertyIQ

DRAG DROP -

A company has a Dynamics 365 Finance environment.

You need to implement indices for new tables.

Which types of indexes should you use? To answer, drag the appropriate types of indexes to the correct requirements. Each type of index may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

Select and Place:

Answer Area

Index types

Primary
Clustered
Non-Clustered

Requirement

Provide a unique key for each record in a table.

Index type

Organize the data for a table according to the physical order of the specified column.

Quickly reference data that is found by using a specified set of columns.

Answer:

Answer Area

Index types

Primary
Clustered
Non-Clustered

Requirement

Provide a unique key for each record in a table.

Index type

Primary
Clustered
Non-Clustered

Organize the data for a table according to the physical order of the specified column.

Clustered

Quickly reference data that is found by using a specified set of columns.

Non-Clustered

Explanation:

Box 1: Primary -

Box 2: Clustered -

A clustered index is a special type of index that reorders the way records in the table are physically stored.

Box 3: Non-clustered -

Reference:

<https://docs.microsoft.com/en-us/sql/relational-databases/indexes/clustered-and-nonclustered-indexes-described>

Question: 47

CertyIQ

You are creating a new form in Visual Studio.

You need to apply the Simple List pattern and apply the pattern to a form.

What are the two possible ways to achieve the goal? Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point.

- A. Use form statistics.
- B. Use the Application Object Tree (AOT).
- C. Use metadata properties.
- D. Use the designer.

Answer: CD

Explanation:

C&D are in the list of ways to apply a pattern: MetadataVisualsDesigner

Question: 48

You are a Dynamics 365 Finance developer. You have a solution that records product weights. You must store up to four decimals of precision by using a standard Extended Data Type (EDT). You need to add the field in a new table. Which EDT should you extend?

- A. AmountMST
- B. MarkupValue
- C. Weight
- D. WeightBase

Answer: D**Explanation:**

Weight data can be maintained with a maximum of two decimals by default. If you require the ability to enter, maintain, and view weight data with a maximum precision of six decimals, you must extend the decimal point precision for the WeightBase extended data type.

Reference:

<https://docs.microsoft.com/en-us/dynamics365/fin-ops-core/dev-itpro/extensibility/decimal-point-precision>

Question: 49

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

You are developing a form for Dynamics 365 Finance.

You need to add a button that allows users to run a report.

Solution: Create an output menu item. Add the output menu item to the form button and then link the report to the output menu item.

Does the solution meet the goal?

- A. Yes
- B. No

Answer: A**Explanation:**

A is right answers as output menus item is used for report.

Question: 50

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

You are developing a form for Dynamics 365 Finance.

You need to add a button that allows users to run a report.

Solution: Create an action menu item. Add the action menu item to the form button and then link the report to the action menu item.

Does the solution meet the goal?

A. Yes

B. No

Answer: B

Explanation:

Proper way to run a report is output menu item and it doesn't matter if the object of the output menu item is directly SSRS query report or RDP controller.

Question: 51

CertyIQ

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

You are developing a form for Dynamics 365 Finance.

You need to add a button that allows users to run a report.

Solution: Create a display menu item. Add the menu display item to the form button and then link the report to the display menu item.

Does the solution meet the goal?

A. Yes

B. No

Answer: B

Explanation:

Instead create an action menu item.

Reference:

<https://docs.microsoft.com/en-us/dynamics365/fin-ops-core/dev-itpro/user-interface/action-controls>

Question: 52

CertyIQ

You are a Dynamics 365 Finance developer.

You must extend the validateWrite method of the SalesLine table by using Chain of Command. The value of a variable named SalesPrice must be greater than or equal to zero when adding new lines.

You need to create an extension class.

Which two code segments can you use? Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point.

A.

```
[ExtensionOf(tableStr(SalesLine))]  
public class SalesLine_Extension  
{  
    boolean validateWrite(boolean _skipCreditLimitCheck)  
    {  
        boolean ret;  
        ret = next.validateWrite(_skipCreditLimitCheck);  
        if (ret && this.SalesPrice < 0)  
        {  
            ret = false;  
        }  
        return ret;  
    }  
}
```

B.

```
[ExtensionOf(tableStr(SalesLine))]  
final class SalesLine_Extension  
{  
    boolean validateWrite(boolean _skipCreditLimitCheck = false)  
    {  
        boolean ret;  
        ret = next.validateWrite(_skipCreditLimitCheck);  
        if (ret && this.SalesPrice < 0)  
        {  
            ret = false;  
        }  
        return ret;  
    }  
}
```

C.

```
[ExtensionOf(tableStr(SalesLine))]  
final class SalesLine_Extension  
{  
    boolean validateWrite(boolean _skipCreditLimitCheck)  
    {  
        boolean ret;  
        ret = next validateWrite(_skipCreditLimitCheck);  
        if (ret && this.SalesPrice < 0)  
        {  
            ret = false;  
        }  
        return ret;  
    }  
}
```

D.

```

[ExtensionOf(tableStr(SalesLine))]
final class SalesLine_Extension
{
    boolean validateWrite(boolean _skipCreditLimitCheck)
    {
        boolean ret;
        try
        {
            ret = next.validateWrite(_skipCreditLimitCheck);
        }
        catch
        {
            ret = false;
        }
        if (ret && this.SalesPrice < 0)
        {
            ret = false;
        }
        return ret;
    }
}

```

Answer: CD

Explanation:

C & D are correct. Extension class have to be final class and method arguments must not have default values

Question: 53

CertyIQ

You are a Dynamics 365 Finance developer. You have the following Extended Data Types (EDTs):

Name	Comments
AccountBase	Root EDT
AccountId	Derives from AccountBase

You plan to modify properties of the EDTs by using an extension.

You need to determine which operations can be performed.

Which operation is possible?

- A. Create an extension for AccountBase and decrease the field size.

- B. Create a derived EDT for AccountBase and increase the field size.
- C. Create a derived EDT for AccountId and decrease the field size.
- D. Create an extension for AccountBase and increase the field size.

Answer: D

Explanation:

You can only set the new String size to a value equal to or larger than the base EDT value.

Incorrect Answers:

B, C: You can only modify the value if the EDT does not extend from another EDT.

Reference:

<https://docs.microsoft.com/en-us/dynamics365/fin-ops-core/dev-itpro/extensibility/modify-edt>

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Question: 54

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

You are adding a new field to the SalesTable form.

You must use an extension to add a status field onto the form.

You need to create the extension in the Application Object Tree (AOT) and add the extension to the demoExtensions model.

Solution: Navigate to the user interface forms node for the SalesTable form and modify the form.

Does the solution meet the goal?

- A. Yes
- B. No

Answer: B

Explanation:

Instead navigate to the user interface forms section for the SalesTable form and create an extension.

Note: In Dynamics 365 Finance and Operations, the new fields will need to be added via a table extension.

Create the extensions on the SalesTable.

Reference:

<https://stoneridgesoftware.com/how-to-extend-sales-order-update-functionality-to-custom-fields-in-d365-finance-and-operations/>

CertyIQ

Question: 55

HOTSPOT -

You are a Dynamics 365 Finance developer.

You need to add a new status named InTransit to the SalesTable.SalesStatus field and use the status in code.

What should you do? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Requirement	Action or code segment
Add the new status to SalesStatus.	<div style="border: 1px solid black; padding: 5px; height: 100px; vertical-align: top;"><p>Create an extension of SalesStatus. Create an overlay of SalesStatus. Create a new enumeration that extends SalesStatus. Duplicate SalesStatus and add an element.</p></div>
Reference new values in code.	<div style="border: 1px solid black; padding: 5px; height: 100px; vertical-align: top;"><p>SalesStatus::InTransit SalesStatus.Extension::InTransit NewSalesStatus:InTransit SalesTable.SalesStatus</p></div>

Answer:

Answer Area

Requirement	Action or code segment
Add the new status to SalesStatus.	<div style="border: 1px solid black; padding: 5px; height: 100px; vertical-align: top;"><p>Create an extension of SalesStatus. Create an overlay of SalesStatus. Create a new enumeration that extends SalesStatus. Duplicate SalesStatus and add an element.</p></div>
Reference new values in code.	<div style="border: 1px solid black; padding: 5px; height: 100px; vertical-align: top;"><p>SalesStatus::InTransit SalesStatus.Extension::InTransit NewSalesStatus:InTransit SalesTable.SalesStatus</p></div>

Explanation:

Box 1: Create an extension of SalesStatus

To modify properties on an existing field in a table, you must first create an extension for the table.

Box 2: SalesStatus::InTransit -

Incorrect Answers:

Overlay: Overlaying code, the now-outdated way to implement customer-specific functionality under Dynamics AX, involved customizing programming within Microsoft's code and recompiling the application.

Reference:

<https://docs.microsoft.com/sv-se/dynamics365/fin-ops-core/dev-itpro/extensibility/modify-existing-field> <http://docs.microsoft.com/en-us/dynamics365/fin-ops-core/dev-itpro/extensibility/extensible-enums>

You add a field to the SalesTable table by using an extension.

You need to ensure that the new field is available for use in forms, reports, and code.

What are three possible ways to achieve this goal? Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point.

- A. Right-click the table and select Synchronize.
- B. Navigate to the Dynamics 365 menu and select Synchronize database.
- C. Right-click the solution and select Synchronize with database.
- D. Set the project property for Synchronize database on build to true and build the solution.
- E. Right-click the project and select Synchronize with database.

Answer: BDE

Explanation:

Because B, D and E are true and A and C are wrong.

BDE are correct. I verified it in VS

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Question: 57

DRAG DROP -

An organization uses Visual Studio to develop customizations for Dynamics 365 Supply chain Management.

You need to create an extension for the CustTable form and add the extension to the Visual Studio 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:

Answer Area

Actions

Select the **IsExtensible** property for the CustTable form.

In Solution Explorer, drag the CustTable form into the project.

Rename the new CustTable extension.

In the Application Object Tree (AOT), right-click the CustTable form and select **Add to project**.

In the Application Object Tree (AOT), right-click the CustTable form.

Select **Create extension**.

Answer:

Actions

Select the **IsExtensible** property for the CustTable form.

In Solution Explorer, drag the CustTable form into the project.

Rename the new CustTable extension.

In the Application Object Tree (AOT), right-click the CustTable form and select **Add to project**.

In the Application Object Tree (AOT), right-click the CustTable form.

Select **Create extension**.

Answer Area

In the Application Object Tree (AOT), right-click the CustTable form.

Select **Create extension**.

Rename the new CustTable extension.

Explanation:

1. In AOT, right-click CustTable form
2. Select Create Extension
3. Rename the new CustTable extension

Question: 58

CertyIQ

HOTSPOT -

A user reports that a form takes a long time to load. You suspect that the issue relates to a display method. You need to resolve the issue.

Which actions should you perform? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Action

Improves performance

Add the following attribute to the display method:

`[SysClientCachedataMethodAttribute(true)]`

	▼
true	
false	

Set the value of the Enabled property to **No** for any display fields that are not needed.

	▼
true	
false	

Set the value of the Visible property to **No** for any display fields that are not needed.

	▼
true	
false	

Set the value of the Skip property to **Yes** for any display fields that are not needed.

	▼
true	
false	

Answer:

Answer Area

Action	Improves performance
Add the following attribute to the display method: [SysClientCachedataMethodAttribute (true)]	<input type="checkbox"/> true <input checked="" type="checkbox"/> false
Set the value of the Enabled property to No for any display fields that are not needed.	<input type="checkbox"/> true <input checked="" type="checkbox"/> false
Set the value of the Visible property to No for any display fields that are not needed.	<input type="checkbox"/> true <input checked="" type="checkbox"/> false
Set the value of the Skip property to Yes for any display fields that are not needed.	<input type="checkbox"/> true <input checked="" type="checkbox"/> false

Explanation:

Caching the display method = TRUE --> improves performance

Set form field "Enabled = No" ==> FALSE --> has NO impact on performance

Set form field "Visible = No" ==> TRUE --> display method not executed, better performance

Set "Skip = Yes" ==> FALSE --> only skips field when pressing TAB, no performance gain

The question states that you suspect that slow form performance is caused by A display method (i.e. one of multiple display methods), it does NOT say anything about one specific display method... So for maximum performance gain the caching is applied to ALL display methods and the VISIBLE=NO is applied to all unnecessary display method fields on the form.

Question: 59

CertyIQ

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

You are adding a new field to the SalesTable form.

You must use an extension to add a status field onto the form.

You need to create the extension in the Application Object Tree (AOT) and add the extension to the demoExtensions model.

Solution: Navigate to the user interface forms section for the SalesTable form and create an extension.

Does the solution meet the goal?

- A. Yes
- B. No

Answer: A**Explanation:**

You can customize model elements by creating extensions.

In Dynamics 365 Finance and Operations, the new fields will need to be added via a table extension. Create the extensions on the SalesTable.

Reference:

<https://stoneridgesoftware.com/how-to-extend-sales-order-update-functionality-to-custom-fields-in-d365-finance-and-operations/>

CertyIQ**Question: 60**

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

You are adding a new field to the SalesTable form.

You must use an extension to add a status field onto the form.

You need to create the extension in the Application Object Tree (AOT) and add the extension to the demoExtensions model.

Solution: Navigate to the user interface forms section for the SalesTable form and create a customization.

Does the solution meet the goal?

A. Yes

B. No

Answer: B**Explanation:**

Instead navigate to the user interface forms section for the SalesTable form and create an extension.

Note: In Dynamics 365 Finance and Operations, the new fields will need to be added via a table extension.

Create the extensions on the SalesTable.

Reference:

<https://stoneridgesoftware.com/how-to-extend-sales-order-update-functionality-to-custom-fields-in-d365-finance-and-operations/>

CertyIQ**Question: 61**

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution. Determine whether the solution meets the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

You are developing a form for Dynamics 365 Finance.

You need to add a button that allows users to run a report.

Solution: Create a command button and link the button to the report by using the button's object property.

Does the solution meet the goal?

A. Yes

B. No

Answer: B

Explanation:

You would need to use the on-click property of the command button.

Reference:

<https://support.microsoft.com/en-gb/office/use-a-command-button-to-start-an-action-or-a-series-of-actions-c7bf2827-2f3e-42b8-83d6-6c4f0de78990> <https://docs.microsoft.com/en-us/dynamics365/fin-ops-core/dev-itpro/user-interface/action-controls>

CertyIQ**Question: 62**

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

You must extend the class SalesLineType and add a new method that returns the day of week for the system's current date as an integer value.

You need to create a class that extends SalesLineType and adds the new method.

Solution: You create the following code:

```
[ExtensionOf(classStr(SalesLineType))]  
final class mySalesLineType_myExtension  
{  
    public int extensionMethodDayOfWeek()  
    {  
        return dayofwk(systemDateGet());  
    }  
}
```

Does the solution meet the goal?

- A. Yes
- B. No

Answer: B**Explanation:**

because the suffix is _myExtension instead of _Extension

CertyIQ**Question: 63**

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

You must extend the class SalesLineType and add a new method that returns the day of week for the system's current date as an integer value.

You need to create a class that extends SalesLineType and adds the new method.

Solution: You create the following code:

```
final class mySalesLineType_Extension extends SalesLineType
{
    public int ExtensionMethodDayofWeek()
    {
        return dayOfWk(systemDateGet());
    }
}
```

Does the solution meet the goal?

- A. Yes
- B. No

Answer: B

Explanation:

There is issue with the class name suffix "_myExtension", extension class has to end with "_Extension". Compiler would give you error with this code.

Question: 64

CertyIQ

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

You must extend the class SalesLineType and add a new method that returns the day of week for the system's current date as an integer value.

You need to create a class that extends SalesLineType and adds the new method.

Solution: You create the following code:

```
[ExtensionOf(classStr(SalesLineType)) ]
final class mySalesLineType_Extension
{
    public int extensionMethodDayofWeek()
    {
        return dayofwk(systemDateGet());
    }
}
```

Does the solution meet the goal?

- A. Yes
- B. No

Answer: B

Explanation:

B is correct. "Start the name of the extension class with the name of the type that is being augmented, and end the name with the term _Extension."

Reference:

'<https://docs.microsoft.com/en-us/dynamics365/fin-ops-core/dev-itpro/extensibility/naming-guidelines-extensions#naming-extension-classes>

Question: 65

CertyIQ

You have a table in which multiple properties must be changed. Multiple table properties are locked down at the base table and must not be overwritten.

You need to modify the table properties by extending the table.

Which table property can you populate in a table extension by using the property sheet?

- A. Primary index
- B. Created by
- C. Configuration key
- D. Table group

Answer: B

Explanation:

You can now modify the following properties through the property sheet:

- ⇒ Created By
- ⇒ Created Date Time
- ⇒ Modified By
- ⇒ Modified Date Time
- ⇒ Country Region Codes

Note: There are multiple versions of this question with different correct answers and various combinations of incorrect answers.

Other incorrect answers you may see in the exam include:

- ⇒ Save data per company
- ⇒ Clustered index
- ⇒ Cache lookup

Reference:

<https://docs.microsoft.com/en-us/dynamics365/fin-ops-core/dev-itpro/extensibility/modify-properties>

Question: 66

CertyIQ

You have an enumeration named truckStatus that has the following statuses:

- ⇒ Empty
- ⇒ Loaded
- ⇒ Completed

You have the following code:

```

switch (trunkTable.TruckStatus)
{
    case TruckStatus::Empty:
        Info("1");
        break;
    case TruckStatus::Loaded:
        Info("2");
        break;
    case TruckStatus::Completed:
        Info("3");
        break;
}

```

You need to add the following statuses to the enumeration: Quarantine, InTransit
What should you do?

- A. Add a post handler to the method that checks the enumeration and logic for your new enumeration values using the enumeration value.
- B. Add a post handler to the method that checks the enumeration and logic for your new enumeration values using a range comparison for your new values.
- C. Add a new case statement in the model of the existing code.
- D. Add a post handler to the method that checks the enumeration and logic for your new enumeration values using the integer value of the enumeration.

Answer: A

Explanation:

Question states that truckStatus enum has 3 values (Empty, Loaded, Completed) so first thing you would have to do would be extending truckStatus enum and adding Quarantine & InTransit to it (or just modify truckStatus directly if it is in your model). "A" will be correct everytime, "C" would be correct if you can directly modify existing code (class is in your project/model for example)

Question: 67

CertyIQ

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

You are adding a new field to the SalesTable form.

You must use an extension to add a status field onto the form.

You need to create the extension in the Application Object Tree (AOT) and add the extension to the demoExtensions model.

Solution: Navigate to the Visual Studio user interface forms extensions section for the SalesTable form and create an extension.

Does the solution meet the goal?

- A. Yes
- B. No

Answer: B

Explanation:

Question: 68

CertyIQ

You are a Dynamics 365 Finance developer.

You need to create an extension class.

Which action should you perform?

- A. Decorate the class with the ExtensionOf attribute.
- B. Add the class buffer as the first parameter.
- C. Mark the class as public.
- D. Mark the class as private.

Answer: A

Explanation:

Extension classes are final classes that are adorned with the ExtensionOf attribute and that also have a name that has the _Extension suffix.

Reference:

<https://docs.microsoft.com/en-us/dynamics365/fin-ops-core/dev-itpro/extensibility/class-extensions>

Question: 69

CertyIQ

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

You have an enumeration named truckStatus that has the following statuses:

- ⇒ Empty
- ⇒ Loaded
- ⇒ Completed

You have the following code:

```
switch (truckTable.TruckStatus)
{
    case TruckStatus::Empty:
        Info("1");
        break;
    case TruckStatus::Loaded:
        Info("2");
        break;
    case TruckStatus::Completed:
        Info("3");
        break;
}
```

You need to extend this enumeration and add the following statuses to the enumeration: Quarantine, InTransit. You must then modify code that validates the switch statement.

Solution: Add a post handler to the method that checks the enumeration and logic for your new enumeration values using a range comparison for your new values.

```
if ( truckTable.TruckStatus > TruckStatus::Completed)
{
    Info("Extended");
}
```

Does the solution meet the goal?

- A. Yes
- B. No

Answer: B

Explanation:

No is correct because enums should not be treated as numerical values, as the actual numerical values used to represent each value in an enum are unpredictable, especially in the case of an extensible enum.

Question: 70

CertyIQ

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

You have an enumeration named truckStatus that has the following statuses:

- ⇒ Empty
- ⇒ Loaded
- ⇒ Completed

You have the following code:

```
switch (truckTable.TruckStatus)
{
    case TruckStatus::Empty:
        Info("1");
        break;
    case TruckStatus::Loaded:
        Info("2");
        break;
    case TruckStatus::Completed:
        Info("3");
        break;
}
```

You need to extend this enumeration and add the following statuses to the enumeration: Quarantine, InTransit. You must then modify code that validates the switch statement.

Solution: Add a post handler to the method that checks the enumeration and logic for your new enumeration values using the integer value of the enumeration.

```
if ( truckTable.TruckStatus == 4 || truckTable.TruckStatus == 5)
{
    Info("Extended");
}
```

Does the solution meet the goal?

- A. Yes

B. No

Answer: B

Explanation:

You can safely use "==" numerical operator only on the base enum values (and it is actually used in the standard code pretty often). For the values not from base enum you have no assurance that there is only one extension of this enum, which could mess with the extension value order.

Question: 71

CertyIQ

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

You have an enumeration named truckStatus that has the following statuses:

- ⇒ Empty
- ⇒ Loaded
- ⇒ Completed

You have the following code:

```
switch (truckTable.TruckStatus)
{
    case TruckStatus::Empty:
        Info("1");
        break;
    case TruckStatus::Loaded:
        Info("2");
        break;
    case TruckStatus::Completed:
        Info("3");
        break;
}
```

You need to extend this enumeration and add the following statuses to the enumeration: Quarantine, InTransit. You must then modify code that validates the switch statement.

Solution: Add a post handler to the method that checks the enumeration and logic for your new enumeration values using the enumeration value.

```
if ( truckTable.TruckStatus == TruckStatus::Quarantine || truckTable.TruckStatus == TruckStatus::InTransit)
{
    Info("Extended");
}
```

Does the solution meet the goal?

- A. Yes
- B. No

Answer: A

Explanation:

Yes, correct.

Depending on whether you have access to modify the code in question, there may be other, easier ways of

achieving the result.

However, the described approach will still work, even in such cases.

Question: 72

CertyIQ

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

You are adding a new field to the SalesTable form.

You must use an extension to add a status field onto the form.

You need to create the extension in the Application Object Tree (AOT) and add the extension to the demoExtensions model.

Solution: Add a new form object to the project and name the form SalesTable.Extension.

Does the solution meet the goal?

A. Yes

B. No

Answer: B

Explanation:

Instead navigate to the user interface forms section for the SalesTable form and create an extension.

Note: In Dynamics 365 Finance and Operations, the new fields will need to be added via a table extension.

Create the extensions on the SalesTable.

Reference:

<https://stoneridgesoftware.com/how-to-extend-sales-order-update-functionality-to-custom-fields-in-d365-finance-and-operations/>

Question: 73

CertyIQ

DRAG DROP -

You are a Dynamics 365 Finance developer for a company that sells pre-owned vehicles. When the company acquires a new vehicle, vehicle identification (VIN) numbers are added to the VIN field in the CustTable.

You need to create an event handler to validate that new VIN values are at least 10 characters long. Validation must occur when records are saved.

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:

Actions

Copy the onWriting event handler on the CustTable table object.

Copy the validatedWrite event handler on the CustTable object.

Add code to perform the validation.

Copy the onModified event handler on the CustTable object.

Add the event handler method to a class.

Answer Area

Answer:

Actions

Copy the onWriting event handler on the CustTable table object.

Copy the validatedWrite event handler on the CustTable object.

Add code to perform the validation.

Copy the onModified event handler on the CustTable object.

Add the event handler method to a class.

Answer Area

Copy the validatedWrite event handler on the CustTable object.

Add the event handler method to a class.

Add code to perform the validation.

Explanation:

Reference:

<https://docs.microsoft.com/en-us/dynamics365/fin-ops-core/dev-itpro/extensibility/customization-overlayering-extensions>

Question: 74

CertyIQ

HOTSPOT -

A company is implementing Dynamics 365 Finance. Vendors receive a risk rating that is determined by their on-time delivery performance as well as their credit rating.

You need to implement the following risk rating functionality:

- ⇒ The risk rating must accompany the credit rating when the credit rating is used.
- ⇒ The risk rating must be able to be used in other areas of the solution to determine processing outcomes.
- ⇒ The risk rating must consist of the following values:

1 = Good

2 = Medium

3 = Risky

The risk rating must be displayed in the Miscellaneous Details tab below the Credit Rating and Credit Limit fields in

the Vendor form.

What should you do? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Requirement	Action
Create values for the risk ratings.	<ul style="list-style-type: none">▼ Create a composite entity.Create a new enum base data type.Create a new enum extension.Create an option set.
Create the risk rating field.	<ul style="list-style-type: none">▼ Create a table extension.Create an aggregate data entity.Create an enum extension.
Ensure that credit limit and risk rating are always used together.	<ul style="list-style-type: none">▼ Use a field groupUse a relationship.Use an index.

Answer:

Answer Area

Requirement

Action

Create values for the risk ratings.

- Create a composite entity.
- Create a new enum base data type.**
- Create a new enum extension.
- Create an option set.

Create the risk rating field.

- Create a table extension.**
- Create an aggregate data entity.
- Create an enum extension.

Ensure that credit limit and risk rating are always used together.

- Use a field group**
- Use a relationship.
- Use an index.

Explanation:

Box 1: Create a new enum base data type.

An enum is a list of literals.

Box 2: Create a table extension -

After base enums and EDTs are created, they are usually added to a table to enable data capture.

Box 3: Use a field group -

Field and Field Groups is the most common data entry subpattern and uses a dynamic number of columns to present multiple fields or groups of fields.

The group controls within this pattern can be used either to group fields under a label or to bind to a table field group.

Reference:

<https://docs.microsoft.com/en-us/learn/modules/build-edt-enums-finance-operations/> <https://docs.microsoft.com/en-us/dynamics365/fin-ops-core/dev-itpro/user-interface/fields-field-groups-subpattern>

Question: 75

CertyIQ

A company has an extension that makes changes to a base form.

You need to identify all extension changes made to the base form.

What are two possible ways to achieve the goal? Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point.

- A. In the search bar on the form extension element, enter the text c:.
- B. In the search bar on the base form, enter the text e:.

- C. Right-click the base form and select view references.
- D. In the search bar on the form extension element, enter the text e:.
- E. In the search bar on the base form, enter the text c:.

Answer: D

Explanation:

The question is asking us to find all the changes in the ONE extension that the company made. So only D is correct here.

Question: 76

CertyIQ

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

You must extend the class SalesLineType and add a new method that returns the day of week for the system's current date as an integer value.

You need to create a class that extends SalesLineType and adds the new method.

Solution: You create the following code:

```
[ExtensionOf(classStr(SalesLineType))]  
public class mySalesLineType_Extension  
{  
    public static int ExtensionMethodDayOfWeek()  
    {  
        return dayOfWk(systemDateGet());  
    }  
}
```

Does the solution meet the goal?

- A. Yes
- B. No

Answer: A

Explanation:

answers is A as it extends the class _extension to SalesLineType

Question: 77

CertyIQ

You are a Dynamics 365 Finance developer. You have the following Extended Data Types (EDTs):

Name	Comments
AccountBase	Root EDT
AccountId	Derives from AccountBase

You plan to modify properties of the EDTs by using an extension.

You need to determine which operations can be performed.

Which operation is possible?

- A. Create an extension for AccountBase and decrease the field size.
- B. Create a derived EDT for AccountBase and increase the field size.
- C. Create an extension for AccountId and increase the field size.
- D. Create an extension for AccountBase and modify the Form Help property.

Answer: D

Explanation:

Create an extension for AccountBase and modify the Form Help property.

Question: 78

CertyIQ

You are a Dynamics 365 Finance developer.

You need to create an extension class.

Which action should you perform?

- A. Mark the class as final.
- B. Add the class buffer as the first parameter.
- C. Add the suffix .extension to the file name.
- D. Add the suffix _myextension to the file name.

Answer: A

Explanation:

Extension classes are final classes that are adorned with the ExtensionOf attribute and that also have a name that has the _Extension suffix.

Because the classes are instantiated by the runtime system, it's not meaningful to derive from the extension class. Therefore, the extension class must be marked as final.

Reference:

<https://docs.microsoft.com/en-us/dynamics365/fin-ops-core/dev-itpro/extensibility/method-wrapping-coc>

Question: 79

CertyIQ

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

A company uses Dynamics 365 finance and operations apps.

You have a custom enumeration named CarType. The enumeration has the following elements: Sedan, SUV.

You must extend CarType and add a new element named MUV to CarType.

You need to develop a solution that meets the requirements.

Solution: Set the Is Extensible property to true for the CarType enumeration. Create a new enumeration to add the MUV element.

Does the solution meet the goal?

- A. Yes
- B. No

Answer: B

Explanation:

You need to create an extension of the enumeration to add a new element

You have to create an extension to add new enumerations

Question: 80

CertyIQ

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

A company uses Dynamics 365 finance and operations apps.

You have a custom enumeration named CarType. The enumeration has the following elements: Sedan, SUV.

You must extend CarType and add a new element named MUV to CarType.

You need to develop a solution that meets the requirements.

Solution: Set the Is Extensible property to false for the CarType enumeration. Create a new enumeration to add the MUV element.

Does the solution meet the goal?

- A. Yes
- B. No

Answer: B

Explanation:

The Extensible property must be set to true for the CarType enumeration.

Reference:

<https://docs.microsoft.com/en-us/dynamics365/fin-ops-core/dev-itpro/extensibility/add-enum-value>

Question: 81

CertyIQ

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

A company uses Dynamics 365 finance and operations apps.

You have a custom enumeration named CarType. The enumeration has the following elements: Sedan, SUV.

You must extend CarType and add a new element named MUV to CarType.

You need to develop a solution that meets the requirements.

Solution: Set the Is Extensible property to true for the CarType enumeration. Add the MUV element to the CarType base enumeration.

Does the solution meet the goal?

- A. Yes

Answer: B**Explanation:**

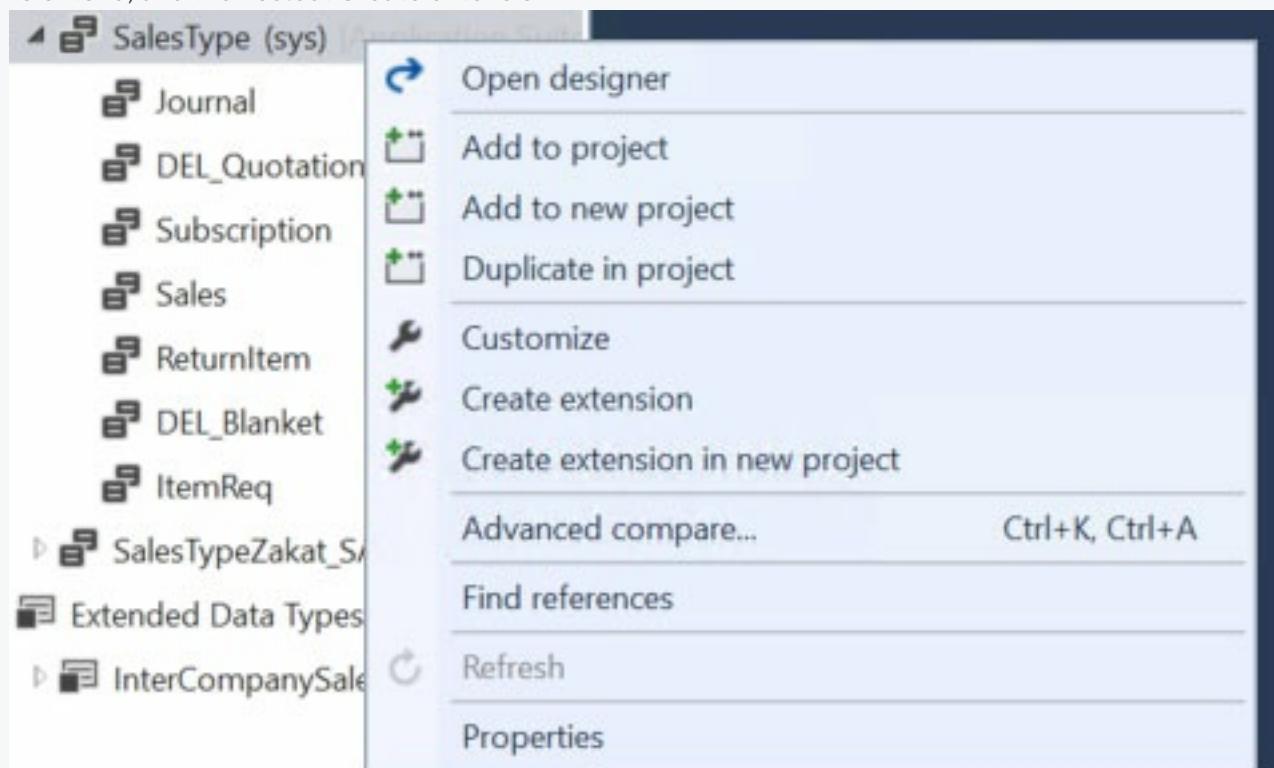
To add new values to an enum, you should extend the enum. Any enum that is marked as Extensible (IsExtensible = true) can be extended.

Instead: Create a new enumeration to add the MUV element.

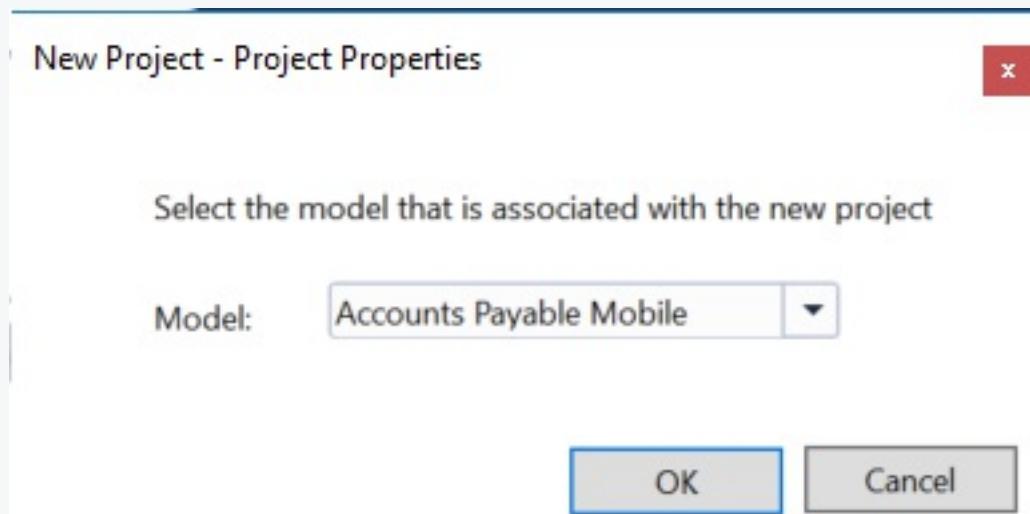
Note:

There are two ways to extend an enum:

- * Create a project that has a model reference where you want the new enum extension. Right-click the enum to extend, and then select Create extension.



* Right-click the enum to extend, and then select Create extension in new project. You're prompted to select the model that the extension enum should be created in.



The enum extension is created in the selected model. You can add new enum values to this extension.

Reference:

<https://docs.microsoft.com/en-us/dynamics365/fin-ops-core/dev-itpro/extensibility/add-enum-value>

Question: 82

DRAG DROP -

You are creating a new class and adding methods to the class.

You need to control extensibility capabilities of some of the methods in the class.

Which attribute should you use? To answer, drag the appropriate attributes to the correct requirements. Each attribute may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

Select and Place:

Attributes	Answer Area	Requirement	Attribute
[Hookable(true)]		Extenders must be able to subscribe to pre- and post-event handlers.	
[Wrappable(false)]		Extenders must not be able to use chain of command (CoC) to wrap a specific method.	
[Replaceable]		Extenders must be able to wrap the method but must not be required to call next in the chain of command (CoC).	
[Hookable(false)]			

Answer:

Attributes	Answer Area	Requirement	Attribute
[Hookable(true)]		Extenders must be able to subscribe to pre- and post-event handlers.	[Hookable(true)]
[Wrappable(false)]		Extenders must not be able to use chain of command (CoC) to wrap a specific method.	[Wrappable(false)]
[Replaceable]		Extenders must be able to wrap the method but must not be required to call next in the chain of command (CoC).	[Replaceable]
[Hookable(false)]			

Explanation:

Box 1: [Hookable(true)]

If a method is hookable, extenders can subscribe to pre-events and post-events.

For public methods, you can opt out by adding [Hookable(false)] to the method.

You can opt in for private and protected methods by adding [Hookable(true)] to the method.

If a method is explicitly marked as [Hookable(false)], then it is not wrappable.

Box 2: [Wrappable(false)]

If a method is wrappable, extenders can wrap it by using Chain of Command (CoC). Extenders must call next, because they aren't allowed to break the CoC.

For protected and public methods, you can opt out by adding [Wrappable(false)] to the method.

Box 3: [Replaceable]

If a method is replaceable, extenders can wrap it by using CoC, but they don't have to unconditionally call next. Although extenders can break the CoC, the expectation is that they will only conditionally break it. The compiler doesn't enforce calls to next.

To be replaceable, a method must also be wrappable.

For wrappable methods, you can opt in by adding [Replaceable] to the method.

Reference:

<https://docs.microsoft.com/en-us/dynamics365/fin-ops-core/dev-itpro/extensibility/extensibility-attributes>

Question: 83

CertyIQ

You have a table in which multiple properties must be changed. Multiple table properties are locked down at the base table and must not be overwritten.

You need to modify the table properties by extending the table.

Which table property can you populate in a table extension by using the property sheet?

- A. Cache lookup
- B. Save data per company
- C. Modified date time
- D. Clustered index

Answer: C**Explanation:**

Modify table properties through extension

To modify properties on a table, you must create an extension of that table. In Application Explorer, right-click the table, and then select Create extension. A new table extension is created in the selected project.

You can now modify the following properties through the property sheet:

Modified Date Time -

Country Region Codes -

Created By -

Created Date Time -

Form Ref -

Modified By -

Preview Part Ref -

Tags -

Title Field1 -

Title Field2 -

Reference:

<https://docs.microsoft.com/en-us/dynamics365/fin-ops-core/dev-itpro/extensibility/modify-properties>

Question: 84

CertyIQ

You are a Dynamics 365 Finance developer. You have the following Extended Data Types (EDTs):

Name	Comments
AccountBase	Root EDT
AccountId	Derives from AccountBase

You plan to modify properties of the EDTs by using an extension.

You need to determine which operations can be performed.

Which operation is possible?

- A. Create a derived EDT for AccountId and decrease the field size.
- B. Create an extension for AccountId and increase the field size.
- C. Create an extension for AccountId and decrease the field size.
- D. Create an extension for AccountBase and increase the field size.

Answer: D

Explanation:

Correct is D. Field size only can be modified in the base EDT

Question: 85

CertyIQ

A company uses Dynamics 365 Finance.

You have two tables as shown:

Table name	Comments
EmplTable	This table stores employee information.
EmplBankAccount	This custom table is used to store bank account information for employees. EmplBankAccount has a foreign key relation to EmplTable.

When an employee is deleted from EmplTable, the corresponding bank account information must automatically be deleted from EmplBankAccount

You need to ensure that the requirement is met.

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

NOTE: Each correct selection is worth one point.

- A. Set the value of the OnDelete property to Restricted.
- B. Select the foreign key relation properties from EmplBankAccount.
- C. Select the foreign key relation properties from EmplTable.
- D. Set the value of the OnDelete property to Cascade.

Answer: BD

Explanation:

Select the foreign key relation properties from the Child Table EmplBankAccount.

In the On Delete property we chose Delete Action Type (In our case Cascade).

Reference:

<https://14-dynamics365.com/2020/12/21/deleted-actions-ondelete-with-example-microsoft-dynamics-365/>

Question: 86

CertyIQ

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution. Determine whether the solution meets the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

A company uses Dynamics 365 Finance. You are customizing elements for the extended data types (EDTs) shown in the following table.

EDT name	Comment
CalendarID	root EDT
CalendarName	root EDT
BasicCalendarID	derives from CalendarID

You have a table named WorkCalendar. The table has a column named BasicCalendarID that uses the BasicCalendarID EDT.

You need to increase the length of the column by using an extension.

Solution: Create an extension for CalendarName.

Does the solution meet the goal?

- A. Yes
- B. No

Answer: B

Explanation:

Of course answer is B.

Question: 87

CertyIQ

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution. Determine whether the solution meets the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

A company uses Dynamics 365 Finance. You are customizing elements for the extended data types (EDTs) shown in the following table.

EDT name	Comment
CalendarID	root EDT
CalendarName	root EDT
BasicCalendarID	derives from CalendarID

You have a table named WorkCalendar. The table has a column named BasicCalendarID that uses the BasicCalendarID EDT.

You need to increase the length of the column by using an extension.

Solution: Create derived EDT for CalendarName.

Does the solution meet the goal?

- A. Yes
- B. No

Answer: B

Explanation:

You can only modify the value if the EDT does not extend from another EDT.

Instead create an extension for CalendarName.

Reference:

<https://docs.microsoft.com/en-us/dynamics365/fin-ops-core/dev-itpro/extensibility/modify-edt>

Question: 88

HOTSPOT -

You are creating entities that will have unmapped fields.

You need determine which types of unmapped fields to use.

Which field types should you use? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area**Requirement****Field type**

Create a read-only field that fetches data directly from a view.

<input type="checkbox"/>	▼
Computed	
Virtual	

Create a field that is computed by SQL Server.

<input type="checkbox"/>	▼
Computed	
Virtual	

Create a field that is calculated row by row during read and write operations by using X++ code.

<input type="checkbox"/>	▼
Computed	
Virtual	

Create a non-persisted field.

<input type="checkbox"/>	▼
Computed	
Virtual	

Answer:

Answer Area**Requirement****Field type**

Create a read-only field that fetches data directly from a view.

<input type="checkbox"/>	▼
Computed	
Virtual	

Create a field that is computed by SQL Server.

<input type="checkbox"/>	▼
Computed	
Virtual	

Create a field that is calculated row by row during read and write operations by using X++ code.

<input type="checkbox"/>	▼
Computed	
Virtual	

Create a non-persisted field.

<input type="checkbox"/>	▼
Computed	
Virtual	

Explanation:

Box 1: Computed -

Computed field: Value is generated by an SQL view computed column.

During read, data is computed by SQL and is fetched directly from the view.

Box 2: Computed -

Box 3: Virtual -

Virtual field:

Is a non-persisted field.

Is controlled by custom X++ code.

Read and write happens through custom X++ code.

Virtual fields are typically used for intake values that are calculated by using X++ code and can't be replaced by computed columns.

Box 4: Virtual -

Virtual field is a non-persisted field.

Reference:

<https://docs.microsoft.com/en-us/dynamics365/fin-ops-core/dev-itpro/data-entities/data-entity-computed-columns-virtual-fields>

CertyIQ

Question: 89

You are a Dynamics 365 Finance developer.

You have a form that displays customer records by using a listpage control. You must add related sales total information for the selected customer to the form.

You need to display the required related sales total information.

What should you add to the form?

- A. a custom lookup
- B. a tile
- C. a factbox
- D. an external feed
- E. a quick filter

Answer: C**Explanation:**

A list page presents a set of data on a user interface that is optimized so that you can browse records, find the right record, and then take an action upon that record. The list page lets the user search, filter, and sort the data. FactBoxes on the right side of the grid show related data for the active record.

Reference:

<https://docs.microsoft.com/en-us/dynamics365/fin-ops-core/dev-itpro/user-interface/list-page-form-pattern>

CertyIQ

Question: 90

You are developing a model extension for Dynamics 365 Finance that extends objects from the Application Foundation package.

You need to create and configure a new model for the extension.

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

NOTE: Each correct selection is worth one point.

- A. Create an extension class that references the Application Foundation.
- B. Assign the model to the USR layer.
- C. Reference the Application Foundation package when creating the extension model.
- D. Create a new model that builds into its own separate assembly.
- E. Create a new model that is part of an existing package.

Answer: CD

Explanation:

C,D is correct answer

CertyIQ

Question: 91

You are working with extended data types in Visual Studio.

You need to create an extension of an Extended Data Types (EDT) that is derived from base data types.

Which three properties can be modified? Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point.

- A. String size
- B. IsExtensible
- C. Form help
- D. Alignment
- E. Label

Answer: ACE

Explanation:

String size can be defined only on root EDTs. The system will use the largest value that is defined across the EDT and its extensions.

Labels and Help text properties can be changed by an extension, but only one value can remain.

Reference:

<https://docs.microsoft.com/en-us/dynamics365/fin-ops-core/dev-itpro/extensibility/extensible-edts>

CertyIQ

Question: 92

You have a table in which multiple properties must be changed. Multiple table properties are locked down at the base table and must not be overwritten.

You need to modify the table properties by extending the table.

Which table property can you populate in a table extension by using the property sheet?

- A. Cache lookup
- B. Modified date time
- C. Configuration key
- D. Table group

Answer: B

Explanation:

You can now modify the following properties through the property sheet:

- ⇒ Created By
- ⇒ Created Date Time
- ⇒ Modified By
- ⇒ Modified Date Time

Country Region Codes -

Note: There are multiple versions of this question with different correct answers and various combinations of incorrect answers.

Other incorrect answers you may see in the exam include:

- ⇒ Primary index
- ⇒ Save data per company
- ⇒ Clustered index

Reference:

<https://docs.microsoft.com/sv-se/dynamics365/fin-ops-core/dev-itpro/extensibility/modify-properties>

Question: 93

CertyIQ

A company uses Dynamics 365 Finance.

You must add fields to a standard table in Visual Studio.

You need to create an extension of the table.

What should you do?

- A.Create an extension class for the base table.
- B.Drag the table from the AOT to the project.
- C.Create a new table object in the pitied.
- D.Create a table extension from the base table.

Answer: D

Explanation:

Create a table extension from the base table.

Question: 94

CertyIQ

A company plans to integrate Dynamics 365 finance and operations apps with an external application.

The apps must send each vendor's name and address in a single field to the external application.

You need to add a computed field to meet the requirement.

What should you do?

- A.Create an extension for VendTable and then add the new display method.
- B.Create an extension of VendVendorV2Entity, select New, and then select Siting Unmapped Field.
- C.Create an extension for VendVendorV2Entity, select the Fields node, select New, and then select Mapped Field.

Answer: B

Explanation:

Because of needing a computed field

CertyIQ

Question: 95

You create an extension of ProjTable.

You need to configure the extension.

Which three table properties can you modify in the extension? Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point.

- A.Form Ref
- B.Label
- C.TitleField1
- D.Preview Part Ref
- E.Modified Date Time

Answer: ADE

Explanation:

- A.Form Ref
- D.Preview Part Ref
- E.Modified Date Time

CertyIQ

Question: 96

DRAG DROP

A company uses Dynamics 365 Finance.

You create the following tables:

Table	Requirement
TableA	Delete related data from other tables when data is deleted from TableA.
TableB	Prevent deletion of data from TableB if related data exists in another table.
TableC	Delete data if specific conditions are met.

You need to configure the system to meet the requirements.

Which delete actions should you use? To answer, drag the appropriate delete action types to the correct scenarios. Each delete action may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

Delete actions

Cascade
Restricted
Cascade+Restricted

Answer Area

Table

TableA

TableB

TableC

Delete action

Answer:

Answer Area

Table

Delete action

TableA

Cascade

TableB

Restricted

TableC

Cascade+Restricted

Explanation:

cascade

Restricted

cascade+Restricted.

Question: 98

CertyIQ

You create an extension for the InventTable table.

Which two field properties can you modify in the extension?

Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point.

- A.Allow Edit
- B.Extended Data Type
- C.Visible
- D.Label

Answer: BD

Explanation:

1. Should be BD (Extended Data Type, Label). To modify properties on an existing field in a table, you must first create an extension for the table. You can modify the following properties: Label, Help text, Country Region

Question: 99

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

A company uses Dynamics 365 finance and operations apps.

You have a custom enumeration named CarType. The enumeration has the following elements: Sedan, SUV.

You must extend CarType and add a new element named MUV to CarType.

You need to develop a solution that meets the requirements.

Solution: Set the is Extensible property to true for the CarType enumeration. Create an extension for the CarType base enumeration to add the MUV element.

Does the solution meet the goal?

- A.Yes
- B.No

Answer: A

Explanation:

Yes

Question: 100

You have a table in which multiple properties must be changed. Multiple table properties are locked down at the base table and must not be overwritten.

You need to modify the table properties by extending the table.

Which table property can you populate in a table extension by using the property sheet?

- A.Created by
- B.Table group
- C.Configuration key
- D.Cache lookup

Answer: A

Explanation:

Created by

Question: 101

CertyIQ

You are a Dynamics 365 Finance developer. You have the following Extended Data Types (EDTs):

Name	Comments
AccountBase	Root EDT
AccountId	Derives from AccountBase

You plan to modify the properties of the EDTs by using an extension.

You need to determine which operations can be performed.

Which operation is possible?

- A.Create an extension for AccountId and decrease the field size.
- B.Create an extension for AccountBase and modify the Form Help property.
- C.Create a derived EDT for AccountId and increase the field size.
- D.Create a derived EDT for AccountBase and increase the field size.

Answer: B**Explanation:**

Create an extension for AccountBase and modify the Form Help property.

Question: 102

CertyIQ

A company uses Dynamics 365 Finance.

You implement an extension of a method named calc in ClassA. The calc method:

- Accepts an integer as an input parameter.
- Returns an integer as an output parameter.

You must implement an extension to:

- Extend the calc method.
- Prevent the standard code from running if the value of the input parameter is greater than 10.

You need to implement the correct solution.

Which code segment should you use?

```
public int calc(int _value)
{
    if (_value > 10)
    {
        throw error('The value cannot be greater than 10.');
    }
    int ret = next calc(_value);
    return ret;
}
```

A.

```
public int calc(int _value)
{
    if (_value > 10)
    {
        throw error('The value cannot be greater than 10.');
    }
}
```

B.

C.

```
public int calc(int _value)
{
    int ret = next calc(_value);
    if (_value > 10)
    {
        throw error('The value cannot be greater than 10.');
    }
    return ret;
}
```

```
public int calc(int _value)
{
    int ret;
    if (_value <= 10)
    {
        ret = next calc(_value);
    }
    return ret;
}
```

D.

Answer: A

Question: 103

CertyIQ

You are a Dynamics 365 Finance developer. You have the following Extended Data Types (EDTs):

Name	Comments
AccountBase	Root EDT
AccountId	Derives from AccountBase

You plan to modify the properties of the EDTs by using an extension.

You need to determine which operations can be performed.

Which operation is possible?

- A. Create an extension for AccountBase and decrease the field size.
- B. Create a derived EDT for AccountBase and increase the field size.
- C. Create a derived EDT for AccountId and increase the field size.
- D. Create an extension for AccountBase and increase the field size.

Answer: D

Explanation:

Create an extension for AccountBase and increase the field size.

Question: 104

CertyIQ

You have a table in which multiple properties must be changed. Multiple table properties are locked down at the base table and must not be overwritten.

You need to modify the table properties by extending the table.

Which table property can you populate in a table extension by using the property sheet?

- A. Created by
- B. Table group
- C. Primary index
- D. Clustered index

Answer: A

Explanation:

Created by

Question: 105

CertyIQ

You have a table in which multiple properties must be changed. Multiple table properties are locked down at the base table and must not be overwritten.

You need to modify the table properties by extending the table.

Which table property can you populate in a table extension by using the property sheet?

- A. Configuration key
- B. Save data per company
- C. Created by
- D. Clustered index

Answer: C

Explanation:

Created by

Question: 106

CertyIQ

You are a Dynamics 365 Finance developer. You have the following Extended Data Types (EDTs):

Name	Comments
AccountBase	Root EDT
AccountId	Derives from AccountBase

You plan to modify the properties of the Edits by using an extension.

You need to determine which operations can be performed.

Which operation is possible?

- A. Create an extension for AccountBase and decrease the field size.
- B. Create a derived EDT for AccountId and decrease the field size.
- C. Create a derived EDT for AccountId and increase the field size.
- D. Create an extension for AccountBase and increase the field size.

Answer: D

Explanation:

Create an extension for AccountBase and increase the field size.

Question: 107

CertyIQ

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution. Determine whether the solution meets the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

A company uses Dynamics 365 Finance. You are customizing elements for the extended data types (EDTs) shown in the following table.

EDT name	Comment
CalendarID	root EDT
CalendarName	root EDT
BasicCalendarID	derives from CalendarID

You have a table named WorkCalendar. The table has a column named BasicCalendarID that uses the BasicCalendarID EDT.

You need to increase the length of the column by using an extension.

Solution: Create an extension for CalendarID.

Does the solution meet the goal?

- A. Yes
- B. No

Answer: A

Explanation:

yes

Question: 108

CertyIQ

DRAG DROP

-

A company uses Dynamics 365 Finance.

The company requires extended data types (EDTs) that meet the following requirements:

- The new EDTs must use primitive base types without extending other EDTs.
- One type must track the day that the user receives goods in the warehouse.
- One type must track the quantity of items that the user receives.

You need to create the EDTs.

Which EDT types should you use? To answer, drag the appropriate types to the correct requirements. Each type may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

Types**Answer Area**

Date
Int
TransDate
Integer

Requirement

Track the day

Track the quantity

Type

Answer:**Types****Answer Area**

Date
Int
TransDate
Integer

Requirement

Track the day

Track the quantity

Type

Date
Int

Explanation:

Track the day: Date.

Track the quantity: int.

Question: 109**CertyIQ**

DRAG DROP

You are working on a project in Dynamics 365 Finance.

You use abstract and interface classes to implement the following requirements for the project:

- Child classes must have common private and public methods.
- All methods must be implemented in the child classes.
- You must be able to implement the methods of the parent class.

You need to select the type of class to use for each requirement.

Which class types should you use? To answer, drag the appropriate class types to the correct requirements. Each class type may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

Class types

Abstract

Interface

Public class

Final class

Answer Area**Requirement**

Ensure that child classes have common private and public methods.

Implement all methods in the child classes.

Implement the methods of the parent class.

Class type

Answer:**Class types**

Abstract

Interface

Public class

Final class

Answer Area**Requirement**

Ensure that child classes have common private and public methods.

Implement all methods in the child classes.

Implement the methods of the parent class.

Class type

Abstract

Interface

Abstract

Explanation:

- 1) Abstract
- 2) Interface
- 3) Abstract

Question: 110**CertyIQ**

DRAG DROP

-

A business needs a free-text field on the All customers form to enter notes about shipment requests. The field must allow users to enter a large number of characters.

You need to create a new extended data type (EDT) for the form.

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.

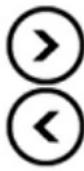
NOTE: More than one order of answer choices is correct. You will receive credit for any of the correct orders you select.

Actions

- Create a new EDT type of AnyType.
- Add the new field to the CustTable.
- Create a new EDT type of string.
- Change the length property on the new EDT to Note.
- Extend the All customers form and add the new EDT field.

Answer Area

- 1
- 2
- 3
- 4

**Answer:****Actions**

- Create a new EDT type of AnyType.
- Add the new field to the CustTable.
- Create a new EDT type of string.
- Change the length property on the new EDT to Note.
- Extend the All customers form and add the new EDT field.

Answer Area

- 1 Create a new EDT type of string.
- 2 Change the length property on the new EDT to Note.
- 3 Add the new field to the CustTable.
- 4 Extend the All customers form and add the new EDT field.

**Explanation:**

Create a new EDT type of string.

Change the length property on the new EDT to Note,

Add the new field to the Cust table.

Extend the All customers form and add the new EDT field.

Question: 111**CertyIQ**

DRAG DROP

Case study

This is a case study. Case studies are not timed separately. You can use as much exam time as you would like to complete each case. However, there may be additional case studies and sections on this exam. You must manage your time to ensure that you are able to complete all questions included on this exam in the time provided.

To answer the questions included in a case study, you will need to reference information that is provided in the case study. Case studies might contain exhibits and other resources that provide more information about the scenario that is described in the case study. Each question is independent of the other questions in this case study.

At the end of this case study, a review screen will appear. This screen allows you to review your answers and to make changes before you move to the next section of the exam. After you begin a new section, you cannot return to this section.

To start the case study

To display the first question in this case study, click the Next button. Use the buttons in the left pane to explore the content of the case study before you answer the questions. Clicking these buttons displays information such

as business requirements, existing environment, and problem statements. When you are ready to answer a question, click the Question button to return to the question.

Background

Munson's Pickles and Preserves Farm produces and sells jarred food goods. The organization has several production and warehouse locations across the United States. Each location runs both production and warehousing operations. The company has three locations: East, Central, and West.

The company is upgrading its Dynamics AX 2009 system to Dynamics 365 Finance.

Current environment. General

Munson's Pickles and Preserves Farm plans to migrate customizations, data, and integration from its legacy system into Dynamics 365 finance and operations apps.

The Dynamics 365 finance and operations environment includes:

- multiple cloud-hosted development environments using Microsoft Visual Studio 2017
- a Microsoft Azure DevOps project for source control
- two tier 2 environments for user acceptance testing and staging, as well as production

Munson's Pickles and Preserves Farm is currently in the planning and development phase of the upgrade process. The company's internal development team needs additional development resources to address issues. The company already created a project that is set up to use a custom model named GPExtensions.

Current environment. Integrations

Munson's Pickles and Preserves Farm has a new integration for its freight processing information. The internal development team created the secure file transfer protocol (SFTP) site for the source information to be stored and the staging table to house the source information once the data is added to Dynamics 365 Finance. Information from the source will be transferred once a day from the source system and integrated with the target system. More than 10,000 records will be transferred over the integration. The company created an aggregate entity for the integration to minimize the amount of transmitted data.

Munson's Pickles and Preserves Farm has added a new integration for freight processing where all item weights, dimensions, and other factors will be configured in the external portal while planning the loads. Once the load is planned, it will be integrated into Dynamics 365 finance and operations apps for the freight invoice processing to occur.

No duplicate invoices or posting are associated with the freight invoice charges. The integration of this information from the source system is intended only for report creation and compilation purposes.

Current environment. Planned changes

Munson's Pickles and Preserves Farm wants to change inventory forms to fit its current needs. Any modifications or enhancements must follow the existing functionality for forms in Dynamics 365 Finance.

Requirements. Integrations

All data from integrations have the same format as an existing Dynamics 365 Finance apps field. All enhancements or customizations must use existing assets before creating new functionality.

Munson's Pickles and Preserves Farm wants to change its integration strategy to include real-time data from the freight processing source system. The inventory must update as it is sold from the system. That information will be updated in Dynamics 365 Finance.

The freight processing integration requires the use of an SFTP site to store XML files from the source system. The additional integration will use OData and must be transferred in real time.

A periodic batch job must:

- Pull data from the SFTP site.
- Import the data to a staging table used to hold the information from the source system.
- Map source data to the target table in Dynamics 365 Finance.

The imported Load ID field must be added to the Sales Order header for all processed orders. Additional requirements for integrations, including other integration strategies, may be necessary as the company grows. Existing tables must be changed to include the Load ID. The database will need to be synched before adding the Load ID field.

Requirements. Changes

Munson's Pickles and Preserves Farm must change the Inventory Status form to include more columns. It plans to create a table to enter the data for the Inventory Status form as a new data source. The company wants to add both the Product Name field and Batch ID field to this new table. The current form includes the item number, location, license plate, product inventory dimensions, and quantity.

The grid on the Inventory Status form must include the product name by using the item number and legal entity. The user interface must be created to include the new columns and the data must be available to add to the grid. The form must have only an Action Pane, a Navigation List, a List Style Grid, a Details Header, and a Details Tab in the design and include the Load ID field.

Munson's Pickles and Preserves Farm is currently in the process of adding the other required fields: one for Product Name and one for Batch ID. The new fields must be related to extended data types for the original fields on the existing data source for the Inventory Status form. Munson's Pickles and Preserves Farm plans to add the EcoResProductName and Batch ID data to the extended table for WHSTmpStatusChange. The fields on the table extension must be populated with data and visible on the Inventory Status form on insert.

Issues

- The internal development team has created the SFTP site connections, the staging table, and the batch jobs for the new integration for freight processing. The development team needs to map the source data to the target table and the data management workspace. The development team notices errors with mapping target fields in the data management workspace. The team needs another developer to configure the table extensions, class extensions, and form extensions that are required for the planned changes.
- The internal development team has issues adding the required fields to the Inventory Status standard form. The team needs another developer to configure the table extensions, class extensions, and form extensions that are required for the planned changes.

You need to create an extension of the table and perform a build and synchronize the newly extended table.

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.

Actions

- Right-click the project, select Properties, set the Synchronize Database on Build property to **True**, and then select **OK**.
- Right-click the WhsTmpStatusChange table in the solution explorer and create an extension.
- Right-click WhsTmpStatusChange in the Application Object Tree (AOT) to create the extension and add it to the project.
- Right-click the project and build the project.
- Open the WhsTmpStatusChange table from the application explorer.

Answer area

- 1
- 2
- 3



Answer:

Actions	Answer area
Right-click the project, select Properties, set the Synchronize Database on Build property to True , and then select OK .	1 Right-click WhsTmpStatusChange in the Application Object Tree (AOT) to create the extension and add it to the project.
Right-click the WhsTmpStatusChange table in the solution explorer and create an extension.	2 Right-click the project, select Properties, set the Synchronize Database on Build property to True , and then select OK .
Right-click WhsTmpStatusChange in the Application Object Tree (AOT) to create the extension and add it to the project.	3 Right-click the project and build the project.
Right-click the project and build the project.	
Open the WhsTmpStatusChange table from the application explorer.	

Question: 112

CertyIQ

Case study -

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Munson's Pickles and Preserves Farm has a new integration for its freight processing information. The internal development team created the secure file transfer protocol (SFTP) site for the source information to be stored and the staging table to house the source information once the data is added to Dynamics 365 Finance. Information from the source will be transferred once a day from the source system and integrated with the target system. More than 10,000 records will be transferred over the integration. The company created an aggregate entity for the integration to minimize the amount of transmitted data.

Munson's Pickles and Preserves Farm has added a new integration for freight processing where all item weights, dimensions, and other factors will be configured in the external portal while planning the loads. Once the load is planned, it will be integrated into Dynamics 365 finance and operations apps for the freight invoice processing to occur.

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Munson's Pickles and Preserves Farm wants to change inventory forms to fit its current needs. Any modifications or enhancements must follow the existing functionality for forms in Dynamics 365 Finance.

Requirements. Integrations -

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Requirements. Changes -

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The grid on the Inventory Status form must include the product name by using the item number and legal entity. The user interface must be created to include the new columns and the data must be available to add to the grid. The form must have only an Action Pane, a Navigation List, a List Style Grid, a Details Header, and a Details Tab in the design and include the Load ID field.

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Issues -

- The internal development team has created the SFTP site connections, the staging table, and the batch jobs for the new integration for freight processing. The development team needs to map the source data to the target table and the data management workspace. The development team notices errors with mapping target fields in the data management workspace. The team needs another developer to configure the table extensions, class extensions, and form extensions that are required for the planned changes.
- The internal development team has issues adding the required fields to the Inventory Status standard form. The team needs another developer to configure the table extensions, class extensions, and form extensions that are required for the planned changes.

You need to add new fields to the table for the Inventory Status form to represent the product name and batch ID.

What are two possible ways to achieve this goal? Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point.

- A.Right-click the newly created table. Add two new string fields to the table. Rename one string field to Product Name and rename the other to Batch ID. Change the property of the fields to the appropriate EDTs.
- B.Right-click the newly created table and add two new base enumerations to the table. Rename the new enumerations Product Name and Batch ID respectively.
- C.Right-click the newly created table in the designer. Add a string field named Product Name to the table. Add an enumeration named Batch ID to the table.
- D.Drag the EcoResProductName and InventBatchID extended data types (EDTs) from the Application Object Tree (AOT) to the table. Rename the fields appropriately.

Answer: AD

Explanation:

- A.Right-click the newly created table. Add two new string fields to the table. Rename one string field to Product Name and rename the other to Batch ID. Change the property of the fields to the appropriate EDTs.
- D.Drag the EcoResProductName and InventBatchID extended data types (EDTs) from the Application Object Tree (AOT) to the table. Rename the fields appropriately.

Question: 113

CertyIQ

Accompany is implementing Dynamics 365 Supply Chain Management.

A developer creates a new form in Visual Studio. The developer must conduct manual unit testing on the functionality of the form before releasing it for functional testing by non-developers.

You need to preview the new form to conduct manual unit testing.

Which action should you conduct first on the form object?

- A.Performance Profiler
- B.Debug
- C.Set as Startup Object
- D.Attach to process
- E.Scope to this

Answer: C

Explanation:

Correct answer is C:Set as Startup Object.

CertyIQ

Question: 114

A company uses Dynamics 365 Finance.

You must add fields to a standard Dynamics 365 Finance form by using Visual Studio.

You need to create an extension for the form.

What should you do?

- A.Drag the form from Application Explorer to the project.
- B.Create a new class that extends the form.
- C.Create an extension of the standard form in the AOT and add it to the project.
- D.Add the form directly to the project and add the new fields.

Answer: C

Explanation:

Create an extension of the standard form in the AOT and add it to the project.

Question: 115

CertyIQ

HOTSPOT -

You are a Dynamics 365 Finance developer. You have the following code: (Line numbers are created for reference only.)

```

01 class TestQuestion
02 {
03     public static void main(Args _args)
04     {
05         TestQuestion testQuestion = new testQuestion();
06         testQuestion.run();
07     }
08     public void run()
09     {
10         TmpFrmVirtual tmpFrmVirtual;
11         str salesId;
12         int salesQty
13         tmpFrmVirtual.Id = "SID1234";
14         salesQty = 5;
15         this.updateValues(tmpFrmVirtual, int2Str(salesQty));
16         info(tmpFrmVirtual.Id);
17         info(salesQty);
18     }
19     public void updateValues(TmpFrmVirtual _tmpFrmVirtual, str _salesQty)
20     {
21         TmpFrmVirtual tmpFrmVirtual = _tmpFrmVirtual;
22         int salesQty = _str2int(salesQty);
23         tmpFrmVirtual.Id = "SID1234"-Updated";
24         salesQty = 10;
25     }
26 }

```

Which values does the info() method return? To answer, select the appropriate option in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Parameter	Value
tmpFrmVirtual.Id	<input type="text"/>
	SID1234
	SID1234-Updated
	SID1234 SID1234-Updated

Parameter	Value
salesQty	<input type="text"/>
	5
	10
	15

Answer:

Answer Area

Parameter	Value
tmpFrmVirtual.Id	
	SID1234
	SID1234-Updated
	SID1234 SID1234-Updated
salesQty	
	5
	10
	15

Explanation:

1) TmpFrmVirtual.Id ==> SID1234-Updated

2) salesQty ==> 5

As stated earlier by others :

1)

TmpFrmVirtual is a table buffer, and is always passed as a reference (i.e. as a pointer to the original table buffer, NOT as a COPY of the original table buffer). So any changes to the buffer made in the updateValues() method are actually made to the original buffer in the run() method.

2)

The salesQty variable, on the other hand, is converted to and passed as a String, then converted back to integer. This means that we're are actually modifying the value of a COPY of the original variable, NOT the value of the original variable itself. Also the COPY of the original value only exists while executing the updateValues() method and it's value is never returned to the run() method. Hence the value of the salesQty variable in the run() method remains unchanged.

Question: 116

CertyIQ

You are a Dynamics 365 Finance developer.

You have a table named FMVehicle that contains a field named VehicleId. The table has an index named VehicleIdIdx on the VehicleId field. You declare a table buffer named vehicle to refer to the table.

You need to select all records from the FMVehicle table in ascending order based on VehicleId field in the vehicle variable.

Which embedded-SQL statement should you use?

- A. select vehicle index VehicleId;
- B. select vehicle order by VehicleId;

C. select VehicleId from vehicle order by VehicleId asc;

D. select vehicle order by VehicleId desc;

Answer: B

Explanation:

B returns all the values for each record. C returns only VehicleId and noone specified we need VehicleId only.

Reference:

<https://docs.microsoft.com/en-us/dynamics365/fin-ops-core/dev-itpro/dev-ref/xpp-data-query>

CertyIQ

Question: 117

You are a Dynamics 365 Finance developer. You create a class.

You need to mark the class to ensure that when code is compiled, the process fails if a specific method is called in the source code.

Which attribute should you use?

- A. SysEntryPointAttribute
- B. getAttributes
- C. SysAttribute
- D. SysObsoleteAttribute

Answer: D

Explanation:

One use of the SysObsoleteAttribute class is to notify the compiler that the compile should fail if a particular method is called in the source code. The compiler rejects the compile, and displays the specific message that is stored in this use of the attribute.

Reference:

<https://docs.microsoft.com/en-us/dynamics365/fin-ops-core/dev-itpro/dev-ref/xpp-attribute-classes>

CertyIQ

Question: 118

You are a Dynamics 365 Finance developer.

You have a table named FMVehicle that contains a field named VehicleId. The table has an index named VehicleIdIdx on the VehicleId field. You declare a table buffer named vehicle to refer to the table.

You need to select all records from the FMVehicle table in ascending order based on VehicleId field in the vehicle variable.

Which embedded-SQL statement should you use?

- A. select vehicle index VehicleId;
- B. select vehicle index VehicleIdIdx;
- C. select VehicleId from vehicle order by VehicleIdIdx asc;
- D. select vehicle order by VehicleId desc;

Answer: B

Explanation:

The 'index VehicleIdIdx' statement will cause an Order By Asc of the fields contained in the index. In this case,

that means an Order By Asc of the VehicleID field.

Question: 119

CertyIQ

HOTSPOT -

You have a Dynamics 365 Finance environment.

You have the following code: (Line numbers are included for reference only.)

```
01 class SalesPriceDiscount
02 {
03     ...
04     public void calculatePrice
05     {
06         ...
07     }
08     public static AmountCur getDiscount(Percent markup)
09     {
10         ...
11     }
12 }
13 [ExtensionOf(classStr(SalesPriceDiscount))]
14 final class SalesPriceDiscountMy_Extension
15 {
16     public void calculatePrice()
17     {
18         ...
19         next calculatePrice()
20         ...
21     }
22 }
```

For each of the following statements, select Yes if the statement is true. Otherwise, select No.

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Statement	Yes	No
The calculatePrice() method in the extension class can access and manage public and protected methods and variables of the base class.	<input type="radio"/>	<input type="radio"/>
You can modify the calculatePrice() method in the extension class by adding conditional logic at line 20.	<input type="radio"/>	<input type="radio"/>
The static method getDiscount() in Line 10 of the base class can be wrapped and extended by adding business logic to the extension class.	<input type="radio"/>	<input type="radio"/>
The extension class can be instantiated by running the following code:	<input type="radio"/>	<input type="radio"/>
<pre>SalesPriceDiscountMy_Extension myInstance = new SalesPriceDiscountMy_Extension();</pre>		

Answer:

Answer Area

Statement	Yes	No
The calculatePrice() method in the extension class can access and manage public and protected methods and variables of the base class.	<input checked="" type="radio"/>	<input type="radio"/>
You can modify the calculatePrice() method in the extension class by adding conditional logic at line 20.	<input checked="" type="radio"/>	<input type="radio"/>
The static method getDiscount() in Line 10 of the base class can be wrapped and extended by adding business logic to the extension class.	<input checked="" type="radio"/>	<input type="radio"/>
The extension class can be instantiated by running the following code: <pre>SalesPriceDiscountMy_Extension myInstance = new SalesPriceDiscountMy_Extension();</pre>	<input type="radio"/>	<input checked="" type="radio"/>

Explanation:

Box 1: Yes -

Class extension - Method wrapping and Chain of Command.

The functionality for class extension, or class augmentation, has been improved. You can now wrap logic around methods that are defined in the base class that you're augmenting. You can extend the logic of public and protected methods without having to use event handlers. When you wrap a method, you can also access public and protected methods, and variables of the base class. In this way, you can start transactions and easily manage state variables that are associated with your class.

Box 2: Yes -

In the following example, the wrapper around doSomething and the required use of the next keyword create a Chain of Command (CoC) for the method. CoC is a design pattern where a request is handled by a series of receivers. The pattern supports loose coupling of the sender and the receivers

```
[ExtensionOf(classStr(BusinessLogic1))]  
final class BusinessLogic1_Extension
```

```
str doSomething(int arg)
```

```
// Part 1
```

```
var s = next doSomething(arg + 4);
```

```
// Part 2
```

```
return s;
```

Box 3: Yes -

Instance and static methods can be wrapped by extension classes. If a static method is the target that will be wrapped, the method in the extension must be qualified by using the static keyword.

Box 4: No -

Wrapper methods must always call next.

Note: Wrapper methods in an extension class must always call next, so that the next method in the chain and, finally, the original implementation are always called. This restriction helps guarantee that every method in the chain contributes to the result.

In the current implementation of this restriction, the call to next must be in the first-level statements in the method body.

Here are some important rules:

- ⇒ Calls to next can't be done conditionally inside an if statement.
- ⇒ Calls to next can't be done in while, do-while, or for loop statements.
- ⇒ A next statement can't be preceded by a return statement.
- ⇒ Because logical expressions are optimized, calls to next can't occur in logical expressions. At runtime, the execution of the complete expression isn't guaranteed.

Reference:

<https://docs.microsoft.com/en-us/dynamics365/fin-ops-core/dev-itpro/extensibility/method-wrapping-coc>

Question: 120

CertyIQ

HOTSPOT -

You are a Dynamics 365 Finance developer.

You have the following code: (Line numbers are included for reference only.)

```
01 public void tryMethod(int a, int b)
02 {
03     try
04     {
05         info("One");
06         int c = a/b;
07         info("Two");
08     }
09     catch
10     {
11         info("Three");
12         if (a == 2)
13         {
14             return;
15         }
16         else if (a == 3)
17         {
18             b = 3;
19             retry;
20         }
21     }
22     finally
23     {
24         info("Four");
25     }
26     info("Five");
27 }
```

You need to evaluate the code.

What is the correct output for the method? To answer, select the appropriate option in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Method	Output
tryMethod(5, 2);	One, Two, Four, Five One, Two, Five One, Three, Four, Five
tryMethod(4, 0);	One, Three, Four, Five One, Four, Five One, Two, Four, Five
tryMethod(2, 0);	One, Three, Four One, Three One, Three, Four, Five
tryMethod(3, 0);	One, Two, Four, Five One, Three, One, Two, Four, Five One, Three, Four, One, Two, Four, Five

Answer:

Answer Area

Method	Output
tryMethod(5, 2);	<div style="border: 1px solid black; padding: 5px;"><p>One, Two, Four, Five</p><p>One, Two, Five</p><p>One, Three, Four, Five</p></div>
tryMethod(4, 0);	<div style="border: 1px solid black; padding: 5px;"><p>One, Three, Four, Five</p><p>One, Four, Five</p><p>One, Two, Four, Five</p></div>
tryMethod(2, 0);	<div style="border: 1px solid black; padding: 5px;"><p>One, Three, Four</p><p>One, Three</p><p>One, Three, Four, Five</p></div>
tryMethod(3, 0);	<div style="border: 1px solid black; padding: 5px;"><p>One, Two, Four, Five</p><p>One, Three, One, Two, Four, Five</p><p>One, Three, Four, One, Two, Four, Five</p></div>

Explanation:

tryMethod(5, 2) - One, Two, Four, Five

tryMethod(4, 0) - One, Three, Four, Five

tryMethod(2, 0) - One, Three, Four

tryMethod(3, 0) - One, Two, Four, Five

Question: 121

CertyIQ

HOTSPOT -

You have the following code:

```
{  
    public void CompareValues()  
    {  
        Date myDate = str2date('01/08/1901', 123);  
        boolean result1, result2, result3;  
        result1 = (myDate + 1 == str2date('02/08/1901', 123));  
        result2 = (str2Date(int2str(date2Num(myDate)), 123) + 1 == str2date('02/08/1901', 123));  
    }  
}
```

For each of the following statements, select Yes if the statement is true. Otherwise, select No.

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Statement	Yes	No
The value of result1 = true	<input type="radio"/>	<input type="radio"/>
The value of result2 = true	<input type="radio"/>	<input type="radio"/>

Answer:

Answer Area

Statement	Yes	No
The value of result1 = true	<input checked="" type="radio"/>	<input type="radio"/>
The value of result2 = true	<input type="radio"/>	<input checked="" type="radio"/>

Explanation:

Box 1: Yes -

Add 1 to a date adds one day.

Box 2: No -

Date2num converts a date to an integer that corresponds to the number of days since January 1, 1900 so this would give us a large number.

Int2str converts the large number into a string.

Str2date converts a string to a date. However, the large number would not be in the correct format for a date.

Reference:

<https://docs.microsoft.com/en-us/dynamics365/customerengagement/on-premises/customize/types-of-fields>

<https://docs.microsoft.com/en-us/dynamics365/fin-ops-core/dev-itpro/dev-ref/xpp-conversion-run-time-functions>

Question: 122

CertyIQ

You are using the SysTest framework to test code in Visual Studio.

You need to create a unit test class.

Which three attributes can you use to create the class? Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point.

- A. TestFilter

- B. Priority
- C. Owner
- D. EntryPoint
- E. Test Property

Answer: BCE

Explanation:

The SysTest framework now supports the major test attributes in the adaptor to be on par with the MSTest framework adaptor. This includes attributes like

Category, Owner, Priority, and Test Property.

Note:

The Priority attribute SysTestPriority, which requires an integer value, is now available. A priority can only be specified once, but is supported on both the class and method level, with method level taking precedence over class level.

The Owner attribute, SysTestOwner, has also been added. This attribute was technically already supported for filtering in the Test Toolbox window, but the attribute itself was missing in X++. Similar to Priority, an owner can only be specified once and is supported on both the class and method level, with the method level taking precedence.

SysTestProperty specifies a property and a value (two strings), and can now be used in the Test Toolbox window in Visual Studio. Test Property can be specified multiple times, and can exist on both the class and method level.

Reference:

<https://docs.microsoft.com/en-us/dynamics365/fin-ops-core/dev-itpro/perf-test/systest-filtering>

Question: 123

CertyIQ

HOTSPOT -

You have the following class definition:

```
class UnitConv
{
    public static real PoundsToKilograms(real _pounds)
    {
        return _pounds * 0.45359237;
    }
    public static real FahrenheitCelsius(real _fahrenheit)
    {
        return (_fahrenheit - 32) = 5/9;
    }
}
```

You need to create an extension class and create a new static method in it that converts miles to kilometers and then call the method from another class.

How should you complete the code and call the method? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Extension class definition:

```
[ExtensionOf(classStr(UnitConv))]
```

```
final class CustUnitConv_Extension
final class UnitConv_MyExtension
static class UnitConvMy_Extension
class UnitConv_Extension

{
    public static CaseMileage MiToKm(CaseMileage _miles)
    {
        return _miles * 1.609344;
    }
}
```

Call the method:

```
var km = UnitConv::MiToKm(62.1371);
CaseMileage km = UnitConv_MyExtension::MiToKm(62.1371);
UnitConvMy_Extension cUC = new UnitConv(); int km = cUC.MiToKm(62.1371);
UnitConv_Extension uCE = new UnitConv(); real km = uCE.MiToKm(62.1371);
```

Answer:

Answer Area

Extension class definition:

```
[ExtensionOf(classStr(UnitConv))]
```

```
final class CustUnitConv_Extension
final class UnitConv_MyExtension
static class UnitConvMy_Extension
class UnitConv_Extension

{
    public static CaseMileage MiToKm(CaseMileage _miles)
    {
        return _miles * 1.609344;
    }
}
```

Call the method:

```
var km = UnitConv::MiToKm(62.1371);
CaseMileage km = UnitConv_MyExtension::MiToKm(62.1371);
UnitConvMy_Extension cUC = new UnitConv(); int km = cUC.MiToKm(62.1371);
UnitConv_Extension uCE = new UnitConv(); real km = uCE.MiToKm(62.1371);
```

Explanation:

Box 1: final class Unit Conv_Extension

Box 2: var km = UnitConv::miToKm(62.1371);

Question: 124

You are a Dynamics 365 Finance developer. You create an integer variable named totalSales.

You need to display the value from totalSales in an info statement.

Which three code segments can you use? Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point.

- A. info(int2str(totalSales));
- B. info(totalSales);
- C. info(any2str(totalSales));
- D. info(strfmt("%1", totalSales));
- E. info(strLine(totalSales, 1));

Answer: ACD**Explanation:**

A: int2Str converts an integer to the equivalent string.

C: any2Str converts an anytype value to a str value. The anytype data type is a placeholder for any data type.

D: Example:

```
void MyMethod()
```

```
for (int i = 0; i < 10; i++)
```

```
info(strfmt("i is %1", i));
```

Reference:

<https://docs.microsoft.com/en-us/dynamics365/fin-ops-core/dev-itpro/dev-ref/xpp-variables-data-types> [http://docs.microsoft.com/en-us/dynamics365/fin-ops-core/dev-itpro/dev-ref/xpp-data-primitive#anytype](https://docs.microsoft.com/en-us/dynamics365/fin-ops-core/dev-itpro/dev-ref/xpp-data-primitive#anytype)

Question: 125

You are a Dynamics 365 Finance developer.

You have a table named FMVehicle that contains a field named VehicleId. The table has an index named VehicleIdIdx on the VehicleId field. You declare a table buffer named vehicle to refer to the table.

You need to select all records from the FMVehicle table in ascending order based on VehicleId field in the vehicle variable.

Which embedded-SQL statement should you use?

- A. `select vehicle index VehicleId;`
- B. `select vehicle order by VehicleId;`
- C. `select VehicleId from vehicle order by VehicleId asc;`
- D. `select vehicle order by VehicleId desc;`

- A. Option A
- B. Option B
- C. Option C
- D. Option D

Answer: B**Explanation:**

B is correct because the request is to select all records from the table, and asc sorting is by default

Question: 126

CertyIQ

DRAG DROP -

You create a Visual Studio project named ProductUpdates.

You must update data in a table named ProductTable. You must be able to run the code from Visual Studio.

You need to create an X++ class.

Which five 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:

Answer Area

Actions

Add the ExtensionOf attribute to the class.

Set the class as the startup object.

Write database manipulation code in the class.

Build and run the class.

Create a runnable class and add it to the ProductUpdates project.

Create a class extension of the ProductTable and add it to the ProductUpdates project.

Open the new class and add a main method to the class.

Answer Area

Actions

- Add the ExtensionOf attribute to the class.
- Set the class as the startup object.
- Write database manipulation code in the class.
- Build and run the class.
- Create a runnable class and add it to the ProductUpdates project.
- Create a class extension of the ProductTable and add it to the ProductUpdates project.
- Open the new class and add a main method to the class.

Create a runnable class and add it to the ProductUpdates project.

Open the new class and add a main method to the class.

Write database manipulation code in the class.

Set the class as the startup object.

Build and run the class.

Explanation:

1. Create a runnable class and add it to the ProductUpdates project
2. Open the new class and add a main method to the class
3. Write the database manipulation code in the class
4. Set the class as startup object
5. Build and run the class

Question: 127

CertyIQ

DRAG DROP -

A company uses Dynamics 365 Finance.

The company wants to create test cases by using the SysTest framework.

You need to select the appropriate TestTransactionMode option for each requirement.

Which options should you use? To answer, drag the appropriate options to the correct requirements. Each option may be used once, more than once, or not at all.

You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

Select and Place:

Options

- AutoRollback
- LegacyRollback
- LegacyRollbackWithUpdateTracking
- None

Answer Area

Requirements

Track and delete only insert statements.

Roll back transactions by using SQL save points.

Option

Answer:

Options	Answer Area	Requirements	Option
AutoRollback		Track and delete only insert statements.	LegacyRollback
LegacyRollback		Roll back transactions by using SQL save points.	AutoRollback
LegacyRollbackWithUpdateTracking			
None			

Explanation:

Box 1: LegacyRollback -

LegacyRollback. All insert statements are tracked and deleted during clean-up.

Box 2: AutoRollback -

AutoRollback. Default. This provides the best isolation.

All transactions are rolled back using SQL save points, and all database statements are routed to the main connection, including user connections. No data will be persisted.

Incorrect:

LegacyRollback. All insert statements are tracked and deleted during clean-up. Save points not used.

LegacyRollbackWithUpdateTracking. All update, delete, and insert statements are tracked and reverted during cleanup. Save points not used.

None. Only use for debugging. This provides no isolation.

Reference:

<https://docs.microsoft.com/en-us/dynamics365/fin-ops-core/dev-itpro/perf-test/testing-validation>

Question: 128

CertyIQ

HOTSPOT -

You are a Dynamics 365 Finance developer.

You have the following class definition:

```
class WebShopOrderValidations
{
    public static void checkQtyValue(int Qty = 0)
    {
        ...
    }
}
```

You need to create an extension class and wrap the method by using Chain of Command (CoC). If the value of the Qty variable is less than 5, the code must cause an exception.

How should you complete the code segment? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

[ExtensionOf(classStr(WebShopOrderValidations))]

final class WebShopOrdVal_Extension
final class WebShopOrderValidations_MyExtension
static class WebShopOrderValidationsMy_Extension
class WebShopOrderValidations_Extension

{

public static void checkQtyValue(int Qty)
public void checkQtyValue(int Qty)
public static int checkQtyValue(int Qty)
public static void checkQtyValue(int Qty = 0)

{

```
    next checkQtyValue(Qty);
    if (Qty < 5)
    {
        throw error("Quantity cannot be smaller than 5");
    }
}
```

}

Answer:

Answer Area

[ExtensionOf(classStr(WebShopOrderValidations))]

final class WebShopOrdVal_Extension
final class WebShopOrderValidations_MyExtension
static class WebShopOrderValidationsMy_Extension
class WebShopOrderValidations_Extension

{

public static void checkQtyValue(int Qty)
public void checkQtyValue(int Qty)
public static int checkQtyValue(int Qty)
public static void checkQtyValue(int Qty = 0)

{

```
    next checkQtyValue(Qty);
    if (Qty < 5)
    {
        throw error("Quantity cannot be smaller than 5");
    }
}
```

}

Explanation:

Box 1: final class WebShopOrderVal_Extension

Box 2: public static void checkQtyValue(int Qty)

Incorrect Answers:

Public void |

If a static method is the target that will be wrapped, the method in the extension must be qualified by using the static keyword.

Int Qty=0 -

The method signature in the wrapper method must not include the default value of the parameter.

Public int -

Reference:

<https://docs.microsoft.com/en-us/dynamics365/fin-ops-core/dev-itpro/extensibility/method-wrapping-concepts>

Question: 129

CertyIQ

HOTSPOT -

You have the following code:

```
[SysEntryPointAttributeRole]
class CashDiscountDP extends SRSReportDataProviderBase
{
    CashDiscountTmp cashDiscountTmp;
    [SRSReportDataSetAttribute(tableStr(CashDiscountTmp))]
    public CashDiscountTmp getCashDiscountTmp()
    {
        select cashDiscountTmp;
        return cashDiscountTmp;
    }
    public boolean processReport()
    {
        ...
    }
}
```

For each of the following statements, select Yes if the statement is true. Otherwise, select No.

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Statement	Yes	No
You can use the class as an entry point for a security privilege.	<input type="radio"/>	<input checked="" type="radio"/>
The class allows SQL Server Reporting Services to retrieve data for the report.	<input checked="" type="radio"/>	<input type="radio"/>
processReport() has the correct method signature.	<input type="radio"/>	<input checked="" type="radio"/>

Answer:

Answer Area

Statement

Yes No

You can use the class as an entry point for a security privilege.

The class allows SQL Server Reporting Services to retrieve data for the report.

processReport() has the correct method signature.

Explanation:

Box 1: NO

there isn't exist attribute like SysEntryPointAttributeRole, check it on visual studio

Box 2: Yes -

To define a report data provider class

An RDP class extends the SRSReportDataProviderBase class. You set the SRSReportParameterAttribute attribute to the data contract you created for the RDP class.

Box 3: No -

Instead:

```
public void processReport()
```

Question: 130

CertyIQ

DRAG DROP -

You create a Visual Studio project named ProductUpdates.

You must update data in a table named ProductTable. You must be able to run the code from Visual Studio.

You need to create an X++ class.

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:

Answer Area

Actions

Add the ExtensionOf attribute to the class.

Set the class as the startup object.

Write database manipulation code in the class.

Build and run the class.

Create a runnable class and add it to the ProductUpdates project.

Create a class extension of the ProductTable and add it to the ProductUpdates project.

Answer:

Answer Area

Actions

Add the ExtensionOf attribute to the class.

Set the class as the startup object.

Write database manipulation code in the class.

Build and run the class.

Create a runnable class and add it to the ProductUpdates project.

Create a class extension of the ProductTable and add it to the ProductUpdates project.

Create a runnable class and add it to the ProductUpdates project.

Write database manipulation code in the class.

Set the class as the startup object.

Build and run the class.

Explanation:

- 1) Create a runnable class and add it to the ProductUpdates project
- 2) Write database manipulation code in the class
- 3) Set the class as the start-up object
- 4) Build and run the class

Question: 131

DRAG DROP -

A company uses Dynamics 365 Finance. The company is implementing an independent software vendor (ISV) solution.

You overlay the ISV code to add functionality to the solution.

You need to configure code compare options.

Which code compare option should you use? To answer, drag the appropriate code compare options to the correct scenarios. Each code compare option may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

Select and Place:

Code compare options

Compare and merge code

Compare code with baseline

Compare metadata with baseline

Answer Area

Scenario

Compare the custom code with the code in the ISV solution.

Compare the code with the code in the ISV solution to identify and resolve conflicts.

Compare elements of a form with those in the ISV solution.

Code compare option

Answer:

Code compare options

Compare and merge code

Compare code with baseline

Compare metadata with baseline

Answer Area

Scenario

Compare the custom code with the code in the ISV solution.

Compare the code with the code in the ISV solution to identify and resolve conflicts.

Compare elements of a form with those in the ISV solution.

Code compare option

Compare code with baseline
Compare code with baseline
Compare metadata with baseline

Explanation:

Box 1: compare code with baseline

Box2: compare code with baseline

Box 3: Compare metadata with baseline

The compatibility checker tool can detect metadata breaking changes against a specified baseline release or update. In this way, it helps ensure backward compatibility. Microsoft uses the tool to help ensure metadata compatibility.

You can use the tool to detect metadata compatibility issues that a new version has against the version that it's replacing. Microsoft uses the tool to detect any breaking changes that a new monthly update has against the previous monthly update.

HOTSPOT -

You are a Dynamics 365 Finance developer.

You have the following code: (Line numbers are included for reference only.)

```
01 public void tryMethod(int a, int b)
02 {
03     try
04     {
05         info("One");
06         int c = a/b;
07         info("Two");
08     }
09     catch
10     {
11         info("Three");
12         if (a == 2);
13         {
14             return;
15         }
16         else if (a == 3)
17         {
18             b = 3;
19             retry;
20         }
21     }
22     finally
23     {
24         info("Four");
25     }
26     info("Five");
27 }
```

You need to evaluate the code.

What is the correct output for the method? To answer, select the appropriate option in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Method	Output
tryMethod(5, 2);	One, Two, Four, Five One, Two, Five One, Three, Four, Five
tryMethod(4, 0);	One, Three, Four, Five One, Four, Five One, Two, Four, Five

Answer:

Answer Area

Method	Output
tryMethod(5, 2);	One, Two, Four, Five One, Two, Five One, Three, Four, Five
tryMethod(4, 0);	One, Three, Four, Five One, Four, Five One, Two, Four, Five

Explanation:

Box 1: One, Two, Four, Five

Box 2: One, Three, Four, Five -

By using a finally block, you can clean up any resources that are allocated in a try block, and you can run code even if an exception occurs in the try block.

Question: 133

CertyIQ

DRAG DROP

-

A company uses Dynamics 365 Finance.

You create a new extension for a standard table.

You need to add a new method in the extension.

Which five 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.

Actions	Answer area
Set the class as internal.	
Decorate the class with the [ExtensionOf(tableStr(TableName))] attribute.	
Set the class as final.	
Add a new method to the class and implement it.	
Create a new project in Visual Studio.	
Add a new class to the Visual Studio project with the _Extension suffix.	

Move the actions from the left column to the right column in the correct sequence using the arrows.

Buttons: < > << >> ↑ ↓

Answer:

Answer area
1 Create a new project in Visual Studio.
2 Add a new class to the Visual Studio project with the _Extension suffix.
3 Set the class as final.
4 Decorate the class with the [ExtensionOf(tableStr(TableName))] attribute.
5 Add a new method to the class and implement it.

Question: 134

CertyIQ

You are a Dynamics 365 Finance developer.

You need to create an extension class.

Which action should you perform?

- A. Mark the class as final.
- B. Add the class buffer as the first parameter.
- C. Add the suffix .extension to the file name.
- D. Mark the class as public.

Answer: A

Explanation:

Mark the class as final.

Question: 135

CertyIQ

A company is implementing Dynamics 365 Finance.

You implement a risk rating for vendors. The risk rating is on the Vendor form.

The rating is determined by a vendor's on-time delivery performance as well as their credit rating.

The risk rating consists of the following values:

1 = Good
2 = Medium
3 = Risky

The company plans to implement purchase requisitions. The company wants to prevent purchase orders from being confirmed when a vendor's risk rating is set to Risky.

You need to implement the functionality.

What should you do?

- A.Create a method for the OnModified event of the vendor account.
- B.Create a new business event.
- C.Create a method for the OnInitializing event of the form.
- D.Create a Chain of Command (CoC) class extension.

Answer: D

Explanation:

Create a Chain of Command (CoC) class extension.

Question: 136

CertyIQ

You are a Dynamics 365 Finance developer.

You have a table named FMVehicle that contains a field named VehicleId. The table has an index named VehicleIdIdx on the VehicleId field. You declare a table buffer named vehicle to refer to the table.

You need to select all records from the FMVehicle table in ascending order based on VehicleId field in the vehicle variable.

Which embedded-SQL statement should you use?

- A.select vehicle order by VehicleIdIdx desc;
- B.select vehicle order by VehicleId;
- C.select vehicle order by vehicleIdIdx asc;
- D.select vehicleId from vehicle order by vehicleId asc;

Answer: D

Explanation:

select vehicleId from vehicle order by vehicleId asc;

Question: 137

CertyIQ

A company uses Dynamics 365 Finance.

You are performing a code review for several segments of code that use the Boolean data type.

You need to validate the segments for the correct X++ structure.

Which two code statements will compile? Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point.

- A.boolean exprValue; exprValue = (8*6 == 48);
- B.boolean exprValue = (8*6 == '48') ? Yes:No;
- C.boolean exprValue; exprValue = (8*6 == 48) ? 1:0;
- D.boolean exprValue = (8*6 == '48') ? false:true;

Answer: AC

Explanation:

- A.boolean exprValue; exprValue = (8*6 == 48);
- C.boolean exprValue; exprValue = (8*6 == 48) ? 1:0;

CertyIQ

Question: 138

You are a Dynamics 365 Finance developer.

You create an integer variable named inventQuantity.

You need to display the value from inventQuantity in an info statement.

Which code segment can you use?

- A.info(int2str(inventQuantity));
- B.info(inventQantity);
- C.info(strLen(int2str(inventQantity)));

Answer: A

Explanation:

- .info(int2str(inventQuantity));

CertyIQ

Question: 139

You are a Dynamics 365 Finance developer.

You need to create an extension class.

Which action should you perform?

- A.Decorate the class with the ExtensionOf attribute.
- B.Add the suffix .extension to the file name.
- C.Mark the class as public.
- D.Mark the class as protected.

Answer: A

Explanation:

Decorate the class with the ExtensionOf attribute.

Question: 140

CertyIQ

DRAG DROP

A company uses Dynamics 365 Finance.

You must use QueryBuilder classes to implement a query that loops through all customers for whom the customer group equals EXT. You need to implement the query. You declare and initialize a query object.

You need to run the query.

In which order should you perform the actions? To answer, move all actions from the list of actions to the answer area and arrange them in the correct order.

Actions
Declare a QueryBuildRange object and add a range for the CustGroup field on the QueryBuildDataSource.
Declare a QueryBuildDataSource object. Call the addDataSource method on the query object and assign it to the QueryBuildDataSource by using CustTable.
Add a value to range for the CustGroup EXT to the QueryBuildRange object.
Loop through the QueryRun object by using the Next method.
Declare and initialize the QueryRun object by using the query object.

Answer area



Answer:

Answer area

- 1 Declare a QueryBuildDataSource object. Call the addDataSource method on the query object and assign it to the QueryBuildDataSource by using CustTable.
- 2 Declare a QueryBuildRange object and add a range for the CustGroup field on the QueryBuildDataSource.
- 3 Add a value to range for the CustGroup EXT to the QueryBuildRange object.
- 4 Loop through the QueryRun object by using the Next method.
- 5 Declare and initialize the QueryRun object by using the query object.

Question: 141

CertyIQ

A company uses Dynamics 365 Supply Chain Management.

You need to list all classes in the Application Suite model that contain a cross-company query.

Which query string should you use?

- A.type:class, method name=run code:"crosscompany" model:"Application Suite"
- B.type:class, table code:"crosscompany" model:"Application Suite"
- C.type:class code:"crosscompany" model:"Application Suite"
- D.type:class, method name=insert code:"crosscompany" model:"Application Suite"

Answer: C

Explanation:

C should be correct

Question: 142

CertyIQ

DRAG DROP

A company uses Dynamics 365 Finance.

You implement the unit test framework. You must automate the testing for previously developed functionality.

You need to create unit tests in Visual Studio.

Which five 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.

Actions	Answer area
Extend the SysTestCase class in the class declaration.	
Add a new class to the project.	
Add an extension to the project.	
Create a new project.	
Add methods to the class and decorate the methods with the [SysTestMethod] attribute.	
Add a Runnable class to the project.	
Open Visual Studio as a non-administrator.	
Open Visual Studio as an administrator.	

Answer:

Answer area

- Open Visual Studio as an administrator.
- Create a new project.
- Add a new class to the project.
- Extend the SysTestCase class in the class declaration.
- Add methods to the class and decorate the methods with the [SysTestMethod] attribute.

Question: 143

CertyIQ

A company uses Dynamics 365 Finance.

You must create a process that updates the following:

- A single record for customer number A0001 in the customer table.
- The value of its customer group to 10.

You need to implement the process.

Which code segment should you use?

- A.
- ```
select forupdate custTable where custTable.AccountNum == 'A0001';
custTable.CustGroup = '10';
custTable.update();
```
- B.
- ```
select forupdate custTable; ttsbegin; custTable.CustGroup = '10';
custTable.update();
ttscommit;
```
- C.

```
select custTable where custTable.AccountNum == 'A0001';
custTable.CustGroup = '10'; custTable.update();
ttcommit;

D.
select forupdate custTable where custTable.AccountNum == 'A0001';
ttsbegin; custTable.CustGroup = '10';
custTable.update():
ttcommit;
```

Answer: D

Question: 144

CertyIQ

HOTSPOT

You have a Dynamics 365 Finance environment.

You have the following code: (Line numbers are included for reference only.)

```
01 class SalesPriceDiscount
02 {
03     ...
04     public void calculatePrice
05     {
06         ...
07     }
08     public static AmountCur getDiscount(Percent markup)
09     {
10         ...
11     }
12 }
13 [ExtensionOf(classStr(SalesPriceDiscount))]
14 final class SalesPriceDiscountMy_Extension
15 {
16     public void calculatePrice()
17     {
18         ...
19         next calculatePrice()
20         ...
21     }
22 }
```

For each of the following statements, select Yes if the statement is true. Otherwise, select No.

NOTE: Each correct selection is worth one point.

Answer Area

Statement	Yes	No
The calculate Price() method in the extension class can access and manage public and protected methods and variables of the base class.	<input type="radio"/>	<input type="radio"/>
You can modify the calculatePrice() method in the extension class by adding conditional logic at line 18.	<input type="radio"/>	<input type="radio"/>
The static method getDiscount() in Line 10 of the base class can be wrapped and extended by adding business logic to the extension class.	<input type="radio"/>	<input type="radio"/>
The extension class can be instantiated by running the following code:	<input type="radio"/>	<input type="radio"/>

```
SalesPriceDiscountMy_Extension myInstance new  
SalesPriceDiscountMy_Extension();
```

Answer:

Answer Area

Statement	Yes	No
The calculate Price() method in the extension class can access and manage public and protected methods and variables of the base class.	<input checked="" type="checkbox"/>	<input type="radio"/>
You can modify the calculatePrice() method in the extension class by adding conditional logic at line 18.	<input checked="" type="checkbox"/>	<input type="radio"/>
The static method getDiscount() in Line 10 of the base class can be wrapped and extended by adding business logic to the extension class.	<input checked="" type="checkbox"/>	<input type="radio"/>
The extension class can be instantiated by running the following code:	<input type="radio"/>	<input checked="" type="checkbox"/>

```
SalesPriceDiscountMy_Extension myInstance new  
SalesPriceDiscountMy_Extension();
```

Question: 145

DRAG DROP

A company uses Dynamics 365 Finance.

You must implement three classes with the following requirements:

- Variables in ClassA must be accessible from ClassA and its child classes but not from other classes. ClassB is a

CertyIQ

class that inherits from ClassA.

•ClassC is not a parent or child class of any other class. The variables of ClassC must only be accessible within ClassC.

You need to complete the implementation.

Which variable modifiers should you use? To answer, drag the appropriate variable modifiers to the correct class names. Each variable modifier may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

Variable modifiers

Protected

Private

Public

Answer Area

Class

ClassA

ClassC

Variable modifier

Answer:

Answer Area

Class

ClassA

ClassC

Variable modifier

Protected

Private

Question: 146

CertyIQ

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution. Determine whether the solution meets the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

You must create a new attribute class in which to mark other classes in the ISV solution and their respective methods with the error levels Warning and Error.

You have the following class: (Line numbers are included for reference only.)

```
01
02 public class Vehicle
03 {
04
05     public int bike()
06     {
07     }
08     public int automobile()
09     {
10     }
11     public int bicycle()
12     {
13     }
14 }
```

You need to ensure that the compiler will report an error if code calls the bike method.

Solution:

Create the following attribute class:

```
public class ISVObsoleteAttribute extends SysAttribute
{
    ErrorWarning errorWarningEnum;
    str explanation;
    public void new(ErrorWarning _errorWarningEnum, str _explanation)
    {
        super();
        errorWarningEnum = _errorWarningEnum;
        explanation = _explanation;
    }
}
```

Insert the following code at line 04:

```
[SysObsoleteAttribute("Deprecated. Please use the bicycle class instead.", false)]
```

Does the solution meet the goal?

- A.Yes
- B.No

Answer: B

Explanation:

NO is a correct.

Question: 147**CertyIQ**

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution. Determine whether the solution meets the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

You must create a new attribute class in which to mark other classes in the ISV solution and their respective methods with the error levels Warning and Error.

You have the following class: (Line numbers are included for reference only.)

```
01  
02 public class Vehicle  
03 {  
04  
05     public int bike()  
06     {  
07     }  
08     public int automobile()  
09     {  
10     }  
11     public int bicycle()  
12     {  
13     }  
14 }
```

You need to ensure that the compiler will report an error if code calls the bike method.

Solution:

Create the following attribute class:

```
public class ISVObsoleteAttribute extends SysAttribute
{
    ErrorWarning errorWarningEnum;
    str explanation;
    public void new(ErrorWarning _errorWarningEnum, str _explanation)
    {
        errorWarningEnum = _errorWarningEnum;
        explanation = _explanation;
    }
}
```

Insert the following code at line 01:

```
[ISVObsoleteAttribute(ErrorWarning::Warning, "This class will be deprecated in future releases, please use the Transportation class instead.")]
```

Insert the following code at line 04:

```
[ISVObsoleteAttribute(ErrorWarning::Error, "Deprecated. Please use the bicycle class instead.")]
```

Does the solution meet the goal?

- A. Yes
- B. No

Answer: B

Explanation:

no

Question: 148

CertyIQ

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution. Determine whether the solution meets the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

You must create a new attribute class in which to mark other classes in the ISV solution and their respective methods with the error levels Warning and Error.

You have the following class: (Line numbers are included for reference only.)

```
01
02 public class Vehicle
03 {
04
05     public int bike()
06     {
07     }
08     public int automobile()
09     {
10     }
11     public int bicycle()
12     {
13     }
14 }
```

You need to ensure that the compiler will report an error if code calls the bike method.

Solution:

Create the following attribute class:

```
public class ISVObsoleteAttribute extends SysAttribute
{
    ErrorWarning errorWarningEnum;
    str explanation;
    public void new(ErrorWarning _errorWarningEnum, str _explanation)
    {
        super();
        errorWarningEnum = _errorWarningEnum;
        explanation = _explanation;
    }
}
```

Insert the following code at line 04:

```
[SysObsoleteAttribute("Deprecated. Please use the bicycle method instead", true)]
```

Does the solution meet the goal?

- A. Yes
- B. No

Answer: A

Question: 149

CertyIQ

DRAG DROP

You use Dynamics 365 Finance.

You must loop through the customers table and display in the UI the customer account numbers that meet the following requirements:

- Include the first 100 customers.
- The account numbers must be greater than 1,000.
- Order the results from larger to smaller by the customer account number.

You need to write the SQL statement by using SQL in X++.

Which four statements should you include in sequence? To answer, move the appropriate statements from the list of statements to the answer area and arrange them in the correct order.

Actions

```
{  
    info(custTable.AccountNum);  
}
```

```
order by AccountNum asc
```

```
while select firstonly100 custTable
```

```
where custTable.AccountNum > '1000'
```

```
select firstonly100 custTable
```

```
while select top 100 custTable
```

```
where custTable.AccountNum > 1000
```

```
order by AccountNum desc
```

Answer area



Answer:

Actions

```
{  
    info(custTable.AccountNum);  
}
```

```
order by AccountNum asc
```

```
while select firstonly100 custTable
```

```
where custTable.AccountNum > '1000'
```

```
select firstonly100 custTable
```

```
while select top 100 custTable
```

```
where custTable.AccountNum > 1000
```

Answer area

```
while select firstonly100 custTable
```

```
order by AccountNum desc
```

```
where custTable.AccountNum > '1000'
```

```
{  
    info(custTable.AccountNum);  
}
```



Explanation:

While select first only 100 custTable.

order by AccountNumdesc.

wherecustTable.AccountNum.>'1000'

info (custTable.AccountNum);

CertyIQ

Question: 150

You extend the insert method of the CustTable by using Chain of Command.

You need to print a message after creating a record if the Sales tax group is complete.

Which code segment should you use?

A.

```
[ExtensionOf(tableStr(CustTable))]
final class CustTable_Extension
{
    void insert(DirPartyType _partyType, Name _name, boolean _updateCRM)
    {
        next insert(_partyType, _name, _updateCRM);

        if (this.TaxGroup)
        {
            info('The customer has a sales tax group.');
        }
    }
}
```

B.

```
[ExtensionOf(tableStr(CustTable))]
final class CustTable_Extension
{
    void insert(DirPartyType _partyType, Name _name, boolean _updateCRM)
    {
        if (this.TaxGroup)
        {
            info('The customer has a sales tax group.');
        }

        next insert(_partyType, _name, _updateCRM);
    }
}
```

C.

```
[ExtensionOf(tableStr(CustTable))]
final class CustTable_Extension
{
    void insert(DirPartyType _partyType, Name _name, boolean _updateCRM)
    {
        if (this.TaxGroup)

            next insert(_partyType, _name, _updateCRM);
    }
}
```

D.

```
[ExtensionOf(tableStr(CustTable))]
final class CustTable_Extension
{
    void insert(DirPartyType _partyType, Name _name, boolean _updateCRM)
    {

        try
        {
            if (!this.TaxGroup)
            {
                throw Exception::Error;
            }
        }
        catch (Exception::Error)
        {
            throw error('An error occurred');
        }
        finally
        {
            info('The customer has a sales tax group.');

            next insert(_partyType, _name, _updateCRM);
        }
    }
}
```

Answer: A

Explanation:

```
[ExtensionOf(tableStr(CustTable))]
final class CustTable_Extension
{
    void insert(DirPartyType _partyType, Name _name, boolean _updateCRM)
    {
        next.insert(_partyType, _name, _updateCRM);

        if (this.TaxGroup)
        {
            info('The customer has a sales tax group.');
        }
    }
}
```

Question: 151

CertyIQ

A company is implementing Dynamics 365 finance and operations apps.

The company must functionally test its native Dynamics 365 finance and operations apps with specific data values.

You need to add specific values on test data within a development environment.

Which two fluent setter methods can you use to achieve the goal? Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point.

- A.save
- B.post
- C.set
- D.for
- E.create

Answer: CD

Explanation:

- C.set.
- D.for.

Question: 152

CertyIQ

A company is implementing Dynamics 365 finance and operations apps.

The company must test its native Dynamics 365 finance and operations apps by using multiple values.

You need to create a test case within a development environment.

Which attribute should the test case use?

- A.SysTestRow

- B.SysTestCategory
- C.SysTestRowInactive

Answer: A

Explanation:

Reference:

<https://learn.microsoft.com/en-us/dynamics365/fin-ops-core/dev-itpro/perf-test/systest-row>

Question: 153

CertyIQ

A company is implementing Dynamics 365 finance and operations apps.

You are using the Acceptance test library (ATL) to test code in Visual Studio.

You need to create an entity test class to expose the entity properties.

Which method should you use?

- A.parm
- B.with
- C.set

Answer: A

Explanation:

Correct answer is A:parm.

Question: 154

CertyIQ

A company is developing a new solution in Dynamics 365 Supply Chain Management. Customers will be able to use the solution in their own implementations.

Several of the classes in the solution are designed to be extended by customers in other implementations to accommodate unique requirements.

Certain methods must show up in the output window during the build process to advise other developers about the intent of the methods.

You need to implement the statements for the methods.

What should you implement?

- A.comments
- B.attributes
- C.global variables
- D.properties
- E.info() function

Answer: A

Explanation:

The correct choice to implement statements for methods that should show up in the output window during the build process to advise other developers about the intent of the methods is:
A. comments.

Question: 155**CertyIQ**

You are a Dynamics 365 Finance developer.

You need to initialize an embedded Microsoft Power BI report.

Which code segment should you add to the form initialization method?

- A. addReportControl(formGroupControl)
- B. initializeReportControl(WorkspaceName, FormGroup)
- C. initializeReportControlOnWorkspace(powerBIConfiguration, reportParameters, formGroupControl)
- D. deployOrUpdateReport(powerBIConfiguration, reportName, resourceName)

Answer: B**Explanation:**

PBIReportHelper.initializeReportControl method is used to embed a Power BI report (.pbix resource) in a form group control.

Reference:

<https://docs.microsoft.com/en-us/dynamics365/fin-ops-core/dev-itpro/analytics/add-analytics-tab-workspaces?toc=%2Ffin-and-ops%2Ftoc.json>

Question: 156**CertyIQ**

You are a Dynamics 365 Finance developer.

You need to create a key performance indicator (KPI) that shows total sales by region.

Which two objects should you create? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

- A. dimension for region
- B. dimension for total sales
- C. aggregated view for total sales
- D. measure for region
- E. measure for total sales

Answer: AE**Explanation:**

- A. dimension for region

- E. measure for total sales

Question: 157**CertyIQ**

You are Dynamics 365 Finance developer.

You need to initialize an embedded Microsoft Power BI report.

Which code segment should you add to the form initialization method?

- A. getPBIReportByResourceName(resourceName)
- B. initializeReportControl(WorkspaceName, FormGroup)
- C. importAndStoreReport(powerBIConfiguration, resourceName, isUpdate)
- D. deployOrUpdateReport(powerBIConfiguration, reportName, resourceName)

Answer: B

Explanation:

initializeReportControl(WorkspaceName, FormGroup)

Question: 158

CertyIQ

HOTSPOT -

A company requires a change to one of the base Microsoft SQL Server Reporting Services (SSRS) reports. The report must include a new field that automatically filters the report based on the user who opens the report. You need to add the new field as specified.

What should you do? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Requirement	Action
Add the new field to the report.	Duplicate the existing report in an extension model. Extend the existing report in an extension model. Customize the existing report.
Automatically filter based on the user.	Use the Controller class. Use the ReportDataProvider class.

Answer:

Answer Area

Requirement	Action
Add the new field to the report.	Duplicate the existing report in an extension model. Extend the existing report in an extension model. Customize the existing report.
Automatically filter based on the user.	Use the Controller class. Use the ReportDataProvider class.

Explanation:

Duplicate the existing report in an extension model

Question: 159

The warehouse manager at Contoso, Ltd. wants to display a tile in the user interface that will show total RAFs per hour.

You need to create a key performance indicator (KPI) that meets these requirements.

What two components should you create? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

- A. aggregate dimensions
- B. data entity
- C. aggregate measurements
- D. TempDB table

Answer: AC**Explanation:**

I say total RAF (aggregate measurements), per hour (aggregate dimensions)

Question: 160

You have a cloud-based Dynamics 365 Finance production environment.

You need to access the data to create Microsoft Power BI reports for the business.

What should you use?

- A. aggregate measurements
- B. aggregate dimensions
- C. Analysis Cubes
- D. Entity store

Answer: D**Explanation:**

When you have completed modeling the aggregate measurement, you can deploy the aggregate measurement and continue with building KPIs and visualizations.

You have 2 deployment choices:

- ⇒ Stage in Entity Store. This option leverages Entity store, the operational data store that enables near real-time PowerBI reporting.
- ⇒ In-memory real-time

Reference:

<https://docs.microsoft.com/en-us/dynamics365/fin-ops-core/dev-itpro/analytics/model-aggregate-data>

Question: 161

You have a cloud-based Dynamics 365 Finance production environment.

You need to access the data to create Microsoft Power BI reports for the business.

What should you use?

- A. Power BI embedded
- B. views
- C. aggregate dimensions
- D. data entities

Answer: D

Explanation:

data entities is a right answer.

Question: 162

CertyIQ

HOTSPOT -

You are a Dynamics 365 Finance developer.

A form uses a synchronous call based on a saleID value. There are long wait times for the form to complete processing. You must allow the user to continue to work while the form processes and inform the user immediately when the processing completes.

You need to implement the correct method calls and behavior.

Which code segments should you use? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Requirement

Code segment or object

Run the form asynchronously.

Requirement	Code segment or object
Run the form asynchronously.	<pre>element.runAsync(classNum(CallReport), staticMethodStr(CallReport,RunReport)... Global:runAsync(classNum(CallReport), staticMethodStr(CallReport,RunReport)... SysOperationSandbox::callStaticMethod(classNum(CallReport), staticMethodStr(CallReport,RunReport)...</pre>

Pass parameters to the method.

Requirement	Code segment or object
Pass parameters to the method.	<pre>data contract class container parm method</pre>

Answer:

Answer Area

Requirement

Code segment or object

Run the form asynchronously.

Requirement	Code segment or object
Run the form asynchronously.	<pre>element.runAsync(classNum(CallReport), staticMethodStr(CallReport,RunReport)... Global:runAsync(classNum(CallReport), staticMethodStr(CallReport,RunReport)... SysOperationSandbox::callStaticMethod(classNum(CallReport), staticMethodStr(CallReport,RunReport)...</pre>

Pass parameters to the method.

Requirement	Code segment or object
Pass parameters to the method.	<pre>data contract class container parm method</pre>

Explanation:

"element.runAsync" and "container" are correct answers

"element.runAsync" calls method on the background and call the callback function passing an asyncTaskResult object to the method. From that object we can check the return value of the async method

call (must be a container" and get the infolog result of the async execution

CertyIQ

Question: 163

You are Dynamics 365 Finance developer.

You need to initialize an embedded Microsoft Power BI report.

Which code segment should you add to the form initialization method?

- A. initializeReportControlOnWorkspace(powerBIConfiguration, reportParameters, formGroupControl)
- B. importAndStorageReport(powerBIConfiguration, resourceName, isUpdate)
- C. initializeCustomReportControl(resourceName, formGroupControl, reportCustomParams)
- D. addReportControl (formGroupControl)

Answer: C

Explanation:

PBIReportHelper.initializeReportControl method is used to embed a Power BI report (.pbix resource) in a form group control.

```
PBIReportHelper::initializeReportControl('FMPBIWorkspaces', powerBIReportGroup);
```

Reference:

<https://docs.microsoft.com/en-us/dynamics365/fin-ops-core/dev-itpro/analytics/add-analytics-tab-workspaces>

Question: 164

CertyIQ

DRAG DROP -

You are a Dynamics 365 Finance developer.

The sales department manager must to be able to view total customers by region and total sales by regions.

You need to build key performance indicators (KPIs) and display them on a tile in the application.

How should you model the KPI? To answer, drag the appropriate objects to the correct KPI components. Each object may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

Select and Place:

Answer Area

Objects

Aggregate dimension

Aggregate data entity

Aggregate measurements

KPI component

Total sales

Customers

Region

Object

Answer:

Answer Area

Objects

- Aggregate dimension
- Aggregate data entity
- Aggregate measurements

KPI component

- Total sales
- Customers
- Region

Object

- Aggregate measurements
- Aggregate measurements
- Aggregate dimension

Explanation:

Measure - Measure - Dimension

"An aggregate measurement is a model that contains a collection of measures together with their corresponding dimensions. Measures are aggregate numbers, such as Total Sales or Number of Orders. Dimensions are slicers, such as Product, Vendor, or Customer, that help you analyze the measure."

Question: 165

CertyIQ

DRAG DROP -

You are a Dynamics 365 Finance developer.

You have a report in an existing model that connects with the following objects:

- ⇒ in-memory table
- ⇒ data provider class
- ⇒ controller class
- ⇒ contract class

The report is locked for modifications.

You need to create an extension of the in-memory table in a model and you add the new field to the extension. 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:

Answer Area

Actions

Create a duplicate from the report in the model and add the new field on the report design.

Create an extension of the existing report controller class in the model. Update the class logic to point to the new report.

Create a duplicate from the existing data provider class in the model. Update the class to fill the value of the newly added field.

Create a duplicate from the existing report controller class in the model. Update the class logic to point to the new report.

Create an extension of the existing data provider class in the model. Update the class to fill the value of the newly added field.

Answer:

Answer Area	
Actions	
Create a duplicate from the report in the model and add the new field on the report design.	Create an extension of the existing data provider class in the model. Update the class to fill the value of the newly added field.
Create an extension of the existing report controller class in the model. Update the class logic to point to the new report.	Create a duplicate from the report in the model and add the new field on the report design.
Create a duplicate from the existing data provider class in the model. Update the class to fill the value of the newly added field.	Create an extension of the existing report controller class in the model. Update the class logic to point to the new report.
Create a duplicate from the existing report controller class in the model. Update the class logic to point to the new report.	
Create an extension of the existing data provider class in the model. Update the class to fill the value of the newly added field.	

Explanation:

Create an extension of the existing data provider class

Create a duplicate from the report

Create an extension of the existing report controller class

Question: 166**CertyIQ**

You are a Dynamics 365 Finance developer. You create a key performance indicator (KPI) in a development environment.

You need to display the KPI.

What should you do?

- A. Create a new workspace and add the KPI to the workspace.
- B. Create a tile and add the KPI to the tile.
- C. Add the KPI to an existing form.

Answer: B**Explanation:**

B is the correct answer here. You need to do it in visual studio though: <https://docs.microsoft.com/en-us/dynamics365/fin-ops-core/dev-itpro/user-interface/build-workspace>

Question: 167**CertyIQ**

You are a Dynamics 365 Finance developer. You create a key performance indicator (KPI) that will enable users to be able to see the total sales per region. You create a tile named SalesRegion and link the KPI to the tile.

You need to ensure that users can view this tile on a form in the user interface.

What should you do?

- A. Create an extension of the form that will contain the new tile and KPI. Add the tile to the extended form.
- B. Open the form that will contain the new tile. Add the tile to the form.
- C. Create a new workspace. Add the KPI to the workspace from the user interface.

Answer: A

Explanation:

Highly ambiguous question, we have to make a lot of assumptions here in my opinion...The question implies that the KPI and the tile were created using Visual Studio. That would mean C is incorrect, since you can create a KPI from the SalesTable form and add it as a tile to a workspace using the user interface, but :- you don't have to be a developer for that- creating the KPI and the tile in advance (using visual studio) in Visual Studio wouldn't be necessary Answer B COULD be correct IF:- we assume the form you are adding the tile to is a custom form that is part of a custom model you have access to - AND IF we assume that we're opening the form in Visual Studio designer and adding the tile there Seems like a stretch to me...A is the most likely answer here I believe, since it explicitly says to create an extension of an existing form (we would have to assume it is a workspace form) and add the tile there. So that implies by a developer using Visual Studio.

Question: 168

CertyIQ

HOTSPOT -

You are creating a Dynamics 365 Finance report. You cannot query the data for the report directly. You must include parameters to specify data for the report.

You need to create the report.

What should you use? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Which type of class should you create to pass parameters to the report?

	Data contract class
	Report data provider class
	Report controller class
	Report UI builder class

Which type of class should you create to access and process the data for the report?

	Data contract class
	Report data provider class
	Report controller class
	Report UI builder class

Which attribute should you use to identify the class that defines report variables?

	DataContractAttribute
	DataMemberAttribute
	SysOperationContractProcessingAttribute
	SysOperationGroupAttribute

Which attribute should you use to identify param methods to send data for the report?

	DataContractAttribute
	DataMemberAttribute
	SysOperationContractProcessingAttribute
	SysOperationGroupAttribute

Which attribute should you use to define the contract class for a provider class?

	SRSReportQueryAttribute
	SRSReportParameterAttribute
	SRSReportDataProviderBase

Answer:**Answer Area**

Which type of class should you create to pass parameters to the report?

Data contract class
Report data provider class
Report controller class
Report UI builder class

Which type of class should you create to access and process the data for the report?

Data contract class
Report data provider class
Report controller class
Report UI builder class

Which attribute should you use to identify the class that defines report variables?

DataContractAttribute
DataMemberAttribute
SysOperationContractProcessingAttribute
SysOperationGroupAttribute

Which attribute should you use to identify parm methods to send data for the report?

DataContractAttribute
DataMemberAttribute
SysOperationContractProcessingAttribute
SysOperationGroupAttribute

Which attribute should you use to define the contract class for a provider class?

SRSReportQueryAttribute
SRSReportParameterAttribute
SRSReportDataProviderBase

Explanation:

Box 1: Data contract class -

A data contract class defines the parameters for a report that is bound to a report data provider (RDP) class. You can specify one or more groups of report parameters, the order of the groups, and the order in which the report parameters appear in a print dialog box.

Box 2: Report data provider class

Report data provider class " processes business logic based on parameters and a query, and then returns the tables as a dataset for the report.

Box 3: DataContractAttribute -

DataContractAttribute " This attribute is applied to an X++ class and specifies that the class can be used as a data contract (that it should be serialized).

Box 4: DataMemberAttribute -

DataMemberAttribute " This attribute is applied to a parm (parameter) method on an X++ data contract class and specifies that the data member should be serialized.

Box 5: SRSReportParameterAttribute

You set the SRSReportParameterAttribute attribute to the data contract you created for the RDP class.

Reference:

<https://docs.microsoft.com/en-us/dynamicsax-2012/appuser-itpro/how-to-use-a-report-data-provider-class-in-a-report>

Question: 169

You are a Dynamics 365 Finance developer.

You need to deploy a new report in a development environment.

From which two locations can you deploy the report? Each correct answer presents a complete solution.
NOTE: Each correct selection is worth one point.

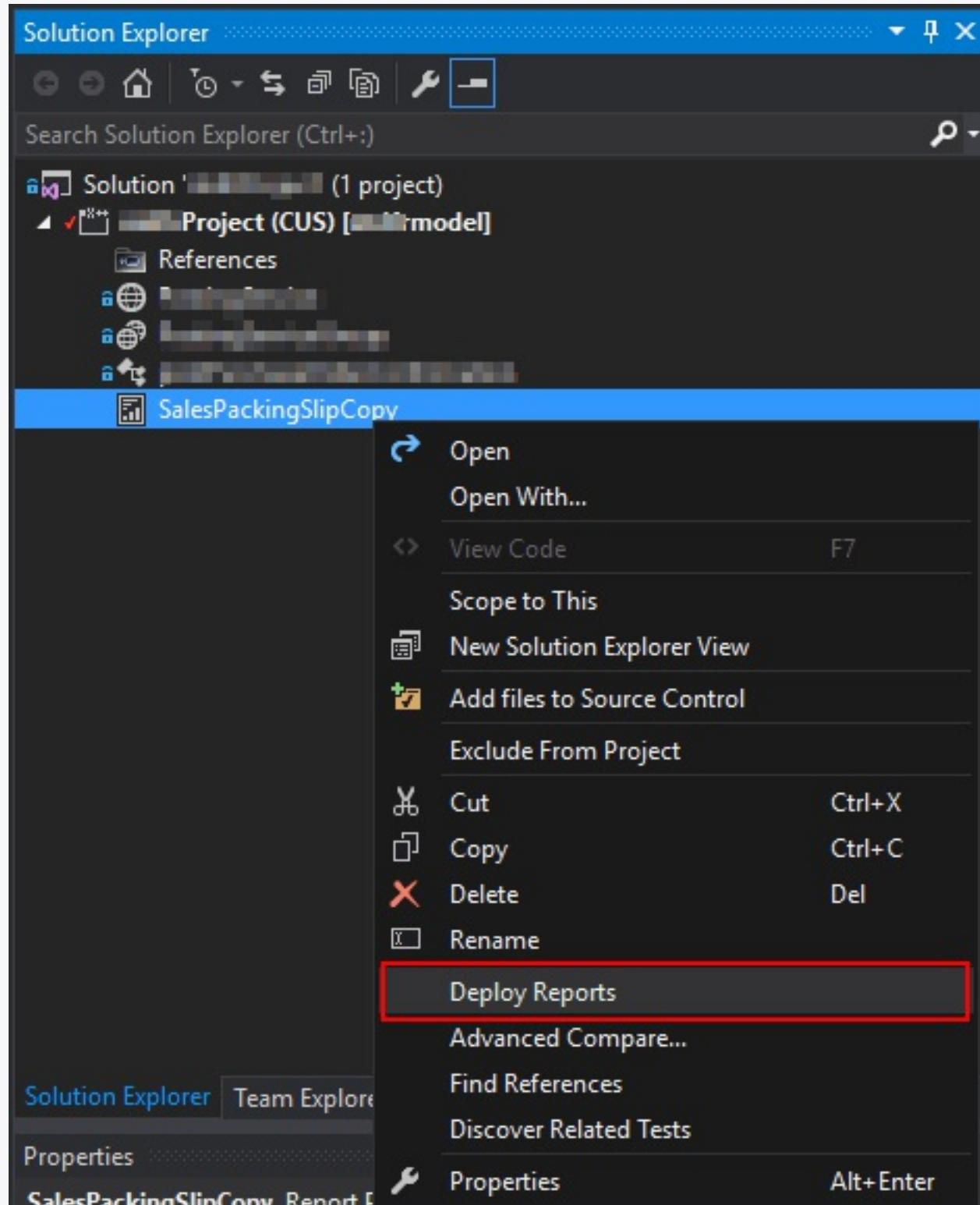
- A. Package deployment
- B. Build project
- C. Application Explorer
- D. Solution Explorer
- E. Build Models options

Answer: AD

Explanation:

A: An AOT package is a deployment and compilation unit of one or more models that can be applied to an environment. It includes model metadata, binaries, reports and other associated resources.

D:



Reference:

<https://docs.microsoft.com/en-us/dynamics365/fin-ops-core/dev-itpro/deployment/create-apply-deployable-package>

Question: 170

CertyIQ

You are Dynamics 365 Finance developer.

You need to initialize an embedded Microsoft Power BI report.

Which code segment should you add to the form initialization method?

- A.initializeReportControlInternal(powerBIConfiguration, reportParameters, reportControl, showError)
- B.getPBIReportByResourceName(resourceName)
- C.importAndStorageReport(powerBIConfiguration, resourceName, isUpdate)
- D.initializeCustomReportControl(resourceName, formGroupControl, reportCustomParams)

Answer: D

Explanation:

.initializeCustomReportControl(resourceName, formGroupControl, reportCustomParams)

Question: 171

CertyIQ

DRAG DROP -

A company has a cloud-based installation of Dynamics 365 Finance. The company also has Dynamics 365 Sales and Customer Service systems.

The company implements an analytical reports solution.

You need to select the applicable storage feature for each requirement.

Which storage feature should you use to meet each requirement? To answer, drag the appropriate storage options to the correct requirements. Each storage option may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

Select and Place:

Storage types

Answer Area

Requirement

Storage type

Entity store

Bring your own database

Import data from various systems into one reporting database and extend tables.

Develop and extend Power BI reports and publish automatically through the application deployment lifecycle.

Answer:

Storage types

Answer Area

Requirement

Storage type

Entity store

Bring your own database

Import data from various systems into one reporting database and extend tables.

Bring your own database

Develop and extend Power BI reports and publish automatically through the application deployment lifecycle.

Entity store

Explanation:

Box 1: Bring your own database -

Box 2: Entity Store -

Entity store is what we call an operational data store which is included with the app itself. It's a dedicated data store for analytics and reporting, in which a power user or an administrator can stage aggregate measurements using this unique feature.

It is a database which is optimized for the purpose of reporting.

End users can use MS Power BI Direct Query models in combination with the Entity store, so as to enable near-real-time analytical reporting in high volume over simply large volumes of data.

Reference:

<https://dynatechconsultancy.com/dynamics-365-entity-store>

CertyIQ**Question: 172**

DRAG DROP

-

A company implements Dynamics 365 Supply Chain Management.

You need to create a report that shows all customer project invoices.

Which attribute should you use? To answer, drag the appropriate attributes to the correct requirements. Each attribute may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

Attributes	Answer Area	
	Requirement	Attribute
DataContractAttribute	Identify the contract name in the data provider class	
SRSReportParameterAttribute	Enables parameters in the report dialog	
DataMemberAttribute	Provide parameters for the report	
SysOperationControlVisibilityAttribute		

Answer:**Answer Area****Requirement**

Identify the contract name in the data provider class

Attribute

DataContractAttribute

Enables parameters in the report dialog

SRSReportParameterAttribute

Provide parameters for the report

DataMemberAttribute

Question: 173**CertyIQ**

HOTSPOT

-

You are designing a new layout for the Vendor Payment Advice report. You add fields to the table that the report uses.

The design must include the new fields.

You need to ensure the standard Payment Advice report always uses the new design.

Which class should you use? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Requirement

Populate data from new fields added to the report data source.

Class

Class
Data contract
Report controller
Report data provider
Report UI builder

Ensure the standard Payment Advice report always uses the new design.

Class
Report data provider
Data contract
Report UI builder
Report controller

Answer:**Requirement**

Populate data from new fields added to the report data source.

Class

Class
Data contract
Report controller
Report data provider
Report UI builder

Ensure the standard Payment Advice report always uses the new design.

Class
Report data provider
Data contract
Report UI builder
Report controller

Question: 174**CertyIQ**

HOTSPOT

A company uses Dynamics 365 finance and operations apps.

The company wants to use reporting data stores for Dynamics 365 Finance.

You need to select the appropriate reporting data store for each requirement.

Which reporting data store should you use? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Answer Area

Requirement	Reporting data store
Export data into a new data warehouse.	<input type="checkbox"/> Bring your own database (BYOD) <input type="checkbox"/> Entity store <input type="checkbox"/> MongoDB
Author Power BI reports by using DirectQuery.	<input type="checkbox"/> AxDB <input type="checkbox"/> Entity store <input type="checkbox"/> MongoDB

Answer:

Answer Area

Requirement	Reporting data store
Export data into a new data warehouse.	<input checked="" type="checkbox"/> Bring your own database (BYOD) <input type="checkbox"/> Entity store <input type="checkbox"/> MongoDB
Author Power BI reports by using DirectQuery.	<input type="checkbox"/> AxDB <input checked="" type="checkbox"/> Entity store <input type="checkbox"/> MongoDB

Question: 175

CertyIQ

A sales manager wants to display a tile that shows the total number of orders processed each hour.

You need to create a key performance indicator (KPI) that meets the requirement.

Which two components should you create?

Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

- A.TempDB table
- B.Aggregate dimensions
- C.Aggregate measurements

D.Data entity

Answer: BC

Explanation:

B.Aggregate dimensions

C.Aggregate measurements

CertyIQ

Question: 176

HOTSPOT

-

A company is implementing Dynamics 365 Supply Chain Management.

The company must import initial business document management templates to act as a start for future business documents. The templates must be configured to work with print management.

No templates or configurations have been set up for the implementation.

You need to select and configure templates for printing.

Which solution components should you use? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Answer Area

Requirement

View the latest officially published report format configurations.

Solution Component

Lifecycle Services
Electronic reporting
Data management framework
Dynamics 365 Supply Chain Management

Configure the business document template to allow for printing.

Tag
Scope
Business event
Message queue

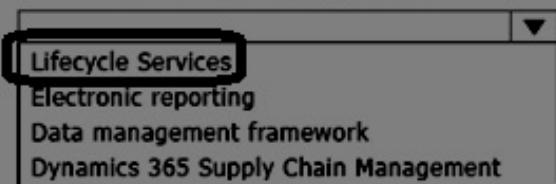
Answer:

Answer Area

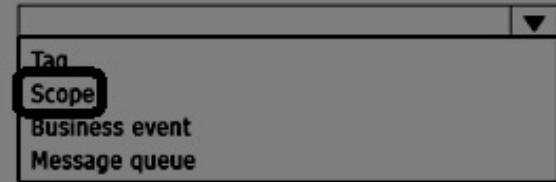
Requirement

View the latest officially published report format configurations.

Solution Component



Configure the business document template to allow for printing.



Question: 177

CertyIQ

A company uses a SQL Server Reporting Services (SSRS) report named SalesConfirmation. The report has a controller class named SalesConfirmController and a data provider class named SalesConfirmDP.

The company requires a different layout for the report.

You create a copy of the report and name the copy MySalesConfirmation. You modify the report design.

You need to ensure that the new report design replaces the original report design.

What should you do?

- A.Extend the data provider class SalesConfirmDP to add a post-event handler method for the processReport method.
- B.Extend the controller class SalesConfirmController to add a post-event handler method for a static method named construct.
- C.Extend the controller class SalesConfirmController to add a pre-event handler method for a static method named construct.
- D.Extend the data provider class SalesConfirmDP to add a pre-event handler method for the processReport method.

Answer: C

Explanation:

Extend the controller class SalesConfirmController to add a pre-event handler method for a static method named construct.

Question: 178

CertyIQ

You are a Dynamics 365 Finance developer.

You have a table named FMVehicle that contains a field named VehicleId. The table has an index named VehicleIdIdx on the VehicleId field. You declare a table buffer named vehicle to refer to the table.

You need to select all records from the FMVehicle table in ascending order based on VehicleId field in the vehicle variable.

Which embedded-SQL statement should you use?

- A. select VehicleId from vehicle order by VehicleIdIdx asc;
- B. select vehicle index VehicleId;
- C. select vehicle order by VehicleIdIdx desc;

D. select vehicle index VehicleIdx;

Answer: D

Explanation:

select vehicle index VehicleIdx;

CertyIQ

Question: 179

DRAG DROP -

You are a Dynamics 365 Finance developer.

Users can view customers from all customer groups on the customer form.

You need to ensure that users can only see customers who belong to a specific customer group.

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:

Actions

Build the solution and perform a database sync of the project.

Create a security policy and set primary table, query, and context type parameters.

Create a query.

Build the solution and refresh the browser.

Add a constrained table to the policy.

Answer area



Answer:

Actions

Build the solution and refresh the browser.

Answer area

Create a query.

Create a security policy and set primary table, query, and context type parameters.

Add a constrained table to the policy.

Build the solution and perform a database sync of the project.

Explanation:

Step 1: Create a query.

Add a new query.

Step 2: Create a security policy..

Add a new security policy.

Step 3: Add a constrained table to the policy.

Step 4: Build the solution and perform a database sync of the project.

As a final step, it is required that you build and synchronize the solution to activate the policy.

Reference:

<https://docs.microsoft.com/en-us/dynamicsax-2012/developer/overview-of-security-policies-for-table-records>

Question: 180

CertyIQ

HOTSPOT -

You are a Dynamics 365 Finance developer.

You have the following entities.

Entity name	Staging table	Related field
OrderHeader	OrderHeaderStaging	OrderId
OrderLine	OrderLineStaging	OrderId

You must create the required fields and relationships in the staging tables.

You need to develop a composite entity that uses the OrderHeader and OrderLine entities.

Which object should you use for each action? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Action

Object

Add a foreign key relation on the table based on the OrderId field.

▼

OrderHeaderStaging

OrderLineStaging

Add mandatory field names.

▼

RowId, ParentRowId

RefTableId, RefRecId

ParentTableId, ParentRecId

Add mandatory fields on the tables.

▼

OrderHeaderStaging only

OrderLineStaging only

OrderHeaderStaging and OrderLineStaging

Answer:

Answer Area

Action	Object
Add a foreign key relation on the table based on the OrderId field.	<div style="background-color: #e0f2e0; padding: 2px;"><input type="checkbox"/> OrderHeaderStaging</div> <div style="background-color: #c6e2fa; padding: 2px;"><input checked="" type="checkbox"/> OrderLineStaging</div>
Add mandatory field names.	<div style="background-color: #e0f2e0; padding: 2px;"><input type="checkbox"/> RowId, ParentRowId</div> <div style="background-color: #e0f2e0; padding: 2px;"><input type="checkbox"/> RefTableId, RefRecId</div> <div style="background-color: #e0f2e0; padding: 2px;"><input type="checkbox"/> ParentTableId, ParentRecId</div>
Add mandatory fields on the tables.	<div style="background-color: #e0f2e0; padding: 2px;"><input type="checkbox"/> OrderHeaderStaging only</div> <div style="background-color: #e0f2e0; padding: 2px;"><input type="checkbox"/> OrderLineStaging only</div> <div style="background-color: #c6e2fa; padding: 2px;"><input checked="" type="checkbox"/> OrderHeaderStaging and OrderLineStaging</div>

Explanation:

Reference:

<https://docs.microsoft.com/en-us/dynamics365/fin-ops-core/dev-itpro/data-entities/develop-composite-data-entities>

Question: 181

CertyIQ

HOTSPOT -

A company has a cloud-based Dynamics 365 Finance environment and uses an e-commerce website for retail operations. The website has business to business (B2B) capabilities. The company uses a middleware integration tool to process data. You must create a batch job to automate some operations. The batch job must be able to process several thousand transactions in each run. You need to configure the environment. Which tools should you use? To answer, drag the appropriate tools to the correct requirements. Each tool may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Requirement	Tool
Schedule a nightly batch in the middleware tool to import orders into Dynamics 365.	<div style="background-color: #e0f2e0; padding: 2px;"><input type="checkbox"/> OData REST API</div> <div style="background-color: #e0f2e0; padding: 2px;"><input type="checkbox"/> Data management framework's package API</div> <div style="background-color: #e0f2e0; padding: 2px;"><input type="checkbox"/> Business events</div>
Schedule a nightly batch in Dynamics 365 to export supplier data to a Microsoft Excel file. Configure the middleware tool to consume and process the data.	<div style="background-color: #e0f2e0; padding: 2px;"><input type="checkbox"/> Recurring integration API</div> <div style="background-color: #e0f2e0; padding: 2px;"><input type="checkbox"/> Bring your own database (BYOD)</div> <div style="background-color: #e0f2e0; padding: 2px;"><input type="checkbox"/> OData REST API</div>

Answer:

Answer Area

Requirement	Tool
Schedule a nightly batch in the middleware tool to import orders into Dynamics 365.	OData REST API Data management framework's package API Business events
Schedule a nightly batch in Dynamics 365 to export supplier data to a Microsoft Excel file. Configure the middleware tool to consume and process the data.	Recurring integration API Bring your own database (BYOD) OData REST API

Explanation:

Reference:

<https://docs.microsoft.com/en-us/dynamics365/fin-ops-core/dev-itpro/data-entities/recurring-integrations>
<https://docs.microsoft.com/en-us/dynamics365/fin-ops-core/dev-itpro/data-entities/data-management-api>

Question: 182

CertyIQ

You create a bring your own database (BYOD) entity that includes four tables.

You need to configure change tracking for specific fields in the entity.

Which option should you enable?

- A. custom query
- B. entire entity
- C. entity export
- D. primary table

Answer: A

Explanation:

Reference:

<https://docs.microsoft.com/en-us/dynamics365/fin-ops-core/dev-itpro/data-entities/entity-change-track>

Question: 183

CertyIQ

DRAG DROP -

A company uses Dynamics 365 Finance.

Client companies require weekly updates for services performed. You create a custom data entity by using the Data Entity wizard.

You need to expose a list of services to external business companies.

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:

Answer Area

Actions

Map the data entity to the data view.

Configure properties for the data entity.

Synchronize the database.

Build the solution.

Answer:

Answer Area

Actions

Map the data entity to the data view.

Configure properties for the data entity.

Synchronize the database.

Build the solution.

Configure properties for the data entity.

Build the solution.

Synchronize the database.

Explanation:

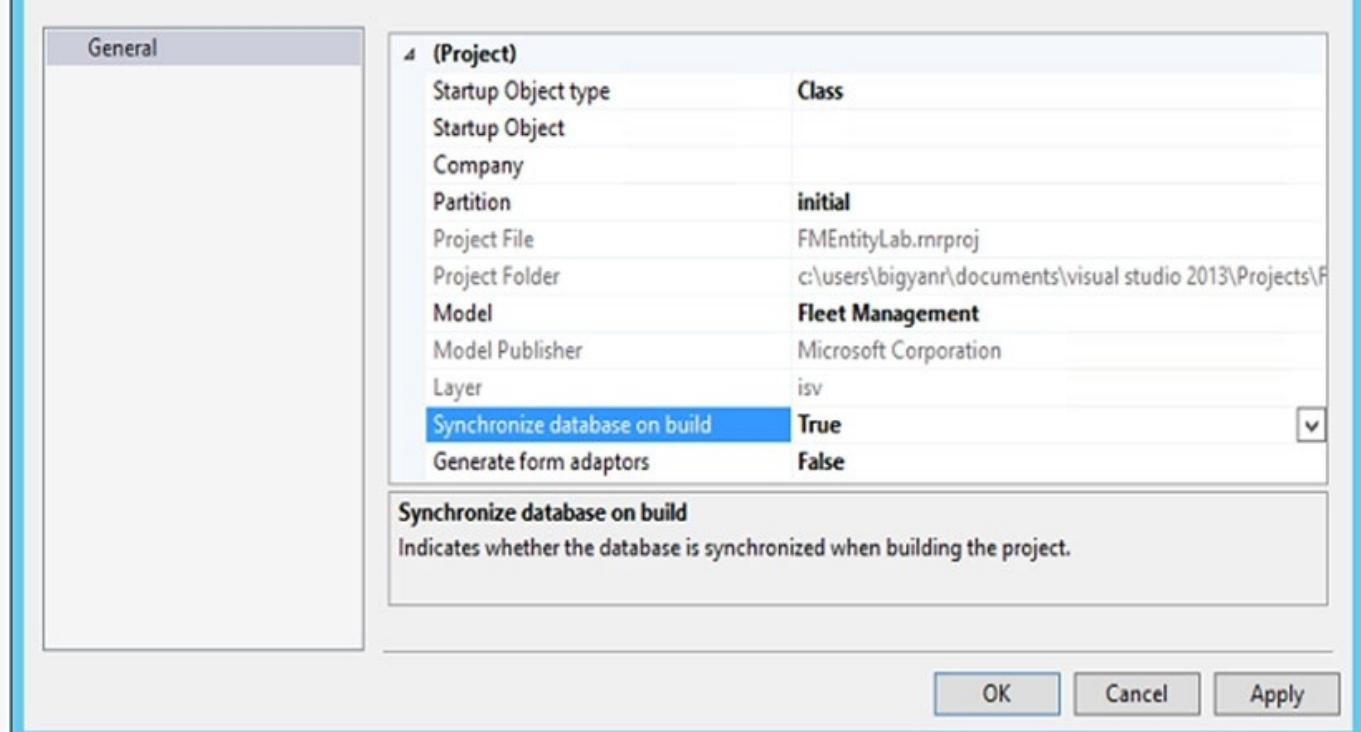
Step 1: Configure properties for the data entity

Step 2: Build the solution -

Build your project -

In Solution Explorer, right-click your project, and then click Properties.

Change the value of the Synchronize database on build property to True, and then click OK. This property must be set only one time per project.



OK

Cancel

Apply

On the Visual Studio toolbar, click Build > Build Solution to build the project.

Step 3:Synchronize DB

Question: 184

CertyIQ

DRAG DROP -

A company is migrating from a legacy system to Dynamics 365 Finance.

You need to import the customer data by using the Data Management workspace.

In which order should you perform the actions? 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:

Answer Area

Actions

Specify the target entity.

Specify the source data format.

Import the source file to the project.

Create a new import project.

Specify the project category for the import.

Answer:

Answer Area

Actions

- Specify the target entity.
- Specify the source data format.
- Import the source file to the project.
- Create a new import project.
- Specify the project category for the import.

- Create a new import project.
- Specify the project category for the import.
- Specify the target entity.
- Specify the source data format.
- Import the source file to the project.

Explanation:

Create a new import project

Specify the project category for the import

Specify the target entity

Specify the source data format

Import the source file to the project

Question: 185

CertyIQ

DRAG DROP -

A company uses Dynamics 365 Supply Chain Management.

You need to integrate the system with third-party applications.

Which data integration strategies should you use? To answer, drag the appropriate data integration strategies to the correct scenarios. Each strategy may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

Select and Place:

Answer Area

Scenario

Strategy

Strategies

OData endpoint

batch data API

custom service

Excel integration

Users have a customer portal and must be able to query the status of orders for customers in near real time. Less than 500 status requests occur per hour.

Employees use a third-party app to record customer orders. You must upload orders to the system once each hour. The company processes approximately 10,000 orders each hour.

Employees use a third-party software as a service app to manage delivery schedules. The software must be able to calculate and obtain inventory availability for deliveries in real time. Approximately 5,000 requests occur each hour.

Answer:

Answer Area

Strategies

OData endpoint

batch data API

custom service

Excel integration

Scenario

Users have a customer portal and must be able to query the status of orders for customers in near real time. Less than 500 status requests occur per hour.

Employees use a third-party app to record customer orders. You must upload orders to the system once each hour. The company processes approximately 10,000 orders each hour.

Employees use a third-party software as a service app to manage delivery schedules. The software must be able to calculate and obtain inventory availability for deliveries in real time. Approximately 5,000 requests occur each hour.

Strategy

OData endpoint

batch data API

custom service

Explanation:

1. OData Endpoints
2. Batch Data API
3. Custom Service

Question: 186

CertyIQ

HOTSPOT -

A company plans to migrate purchase orders from an older system into Dynamics 365 Finance.

You need to generate field mapping between the source and the target data structures.

What should you do? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Create this type of project in the data management workspace:

Import
Export
View map

Open the project and select:

Define an XML manifest
Manage
Download

Select this UI option:

Generate mapping
Generate integration
Modify target mapping

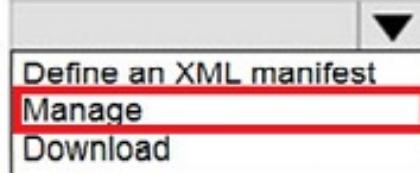
Answer:

Answer Area

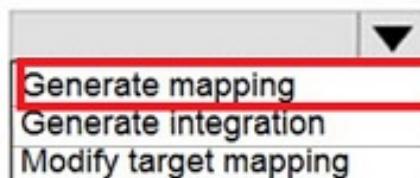
Create this type of project in the data management workspace:



Open the project and select:



Select this UI option:



Explanation:

Import > Manage > Generate mapping (there is no option as "Modify target mapping" under manage)

CertyIQ

Question: 187

You are training a new Dynamics 365 Finance developer.

You need to recommend where asynchronous integrations should be used instead of synchronous integrations. For which scenario should you recommend asynchronous integration?

- A. A retailer requires all new customer data captured at point of sale (POS) terminals through the day sent back to the system.
- B. A service company needs workers to be able to access just-in-time inventory data from the field by using a third-party Software as a Service (SaaS) application to ensure they have parts to complete a service.
- C. A retailer wants to ensure gift card balances are communicated back to the system from point of sale (POS) terminals in near real-time.
- D. A manufacturer wants to move production data from an on-premises deployment Dynamics 365 Finance in near real-time.

Answer: A

Explanation:

Classic data integration: Asynchronous

Classic data integration provides asynchronous and uni-directional data synchronization experience between model-driven applications in Dynamics 365 and

Dynamics 365 Finance applications. It's an IT-administrator led experience and you must schedule the data sync jobs to run on a specific cadence. Classic data integration is suitable for business scenarios that involves bulk ingress/egress of data across Dynamics 365 applications.

Incorrect Answers:

B: Just-in-time inventory data required.

C: Real-time required.

D: Real-time required.

Note: Dual-write: Synchronous, Bi-directional.

Dual-write provides synchronous, bi-directional, near-real time experience between model-driven applications in Dynamics 365 and Finance applications. Data synchronization happens with little or no intervention and is triggered by create, update and delete actions on an entity. Dual-write is suitable for interactive business scenarios that span across Dynamics 365 applications.

Question: 188

CertyIQ

You are training a new Dynamics 365 Finance developer.

You need to recommend where asynchronous integrations should be used instead of synchronous integrations. For which scenario should you recommend asynchronous integration?

- A. A warehouse wants to track movement of all inventory from scanners to the system.
- B. A retailer wants to ensure gift card balances are communicated back to the system from point of sale (POS) terminals in near real-time.
- C. A retailer requires all new customer data captured at point of sale (POS) terminals through the day sent back to the system.
- D. When products are updated in Finance and Operations, a third-party application that contains the same product information needs to also be updated in near real-time.

Answer: C

Explanation:

Reference:

<https://docs.microsoft.com/en-us/dynamics365/fin-ops-core/dev-itpro/data-entities/integration-overview#synchro-nous-vs-asynchronous-integration-patterns>

Question: 189

CertyIQ

A company uses Dynamics 365 Finance.

You have an entity named VendVendorV2Entity. You add a new column to the entity.

You need to ensure that the new column is available in the entity for data transfer activity.

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

NOTE: Each correct selection is worth one point.

- A. Select the Generate mapping button on the Mapping details form.
- B. Select the Validate button on the Entity list page.
- C. Select the Entity structure button on the Entity list page.
- D. Select the Modify target mapping button on the Entity list page.

Answer: AB

Explanation:

Using the configuration key metadata built during entity refresh list, run time validations are performed in the following use cases.

- ⇒ When user clicks Validate on the entity list.
- ⇒ When the user generates mapping.

Reference:

Question: 190

You are a Dynamics 365 Finance developer.

You make changes to an existing class.

You need to compare the code that is in source control with the updated class. In Visual Studio, you display Team Explorer.

What are three possible ways to achieve the goal? Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point.

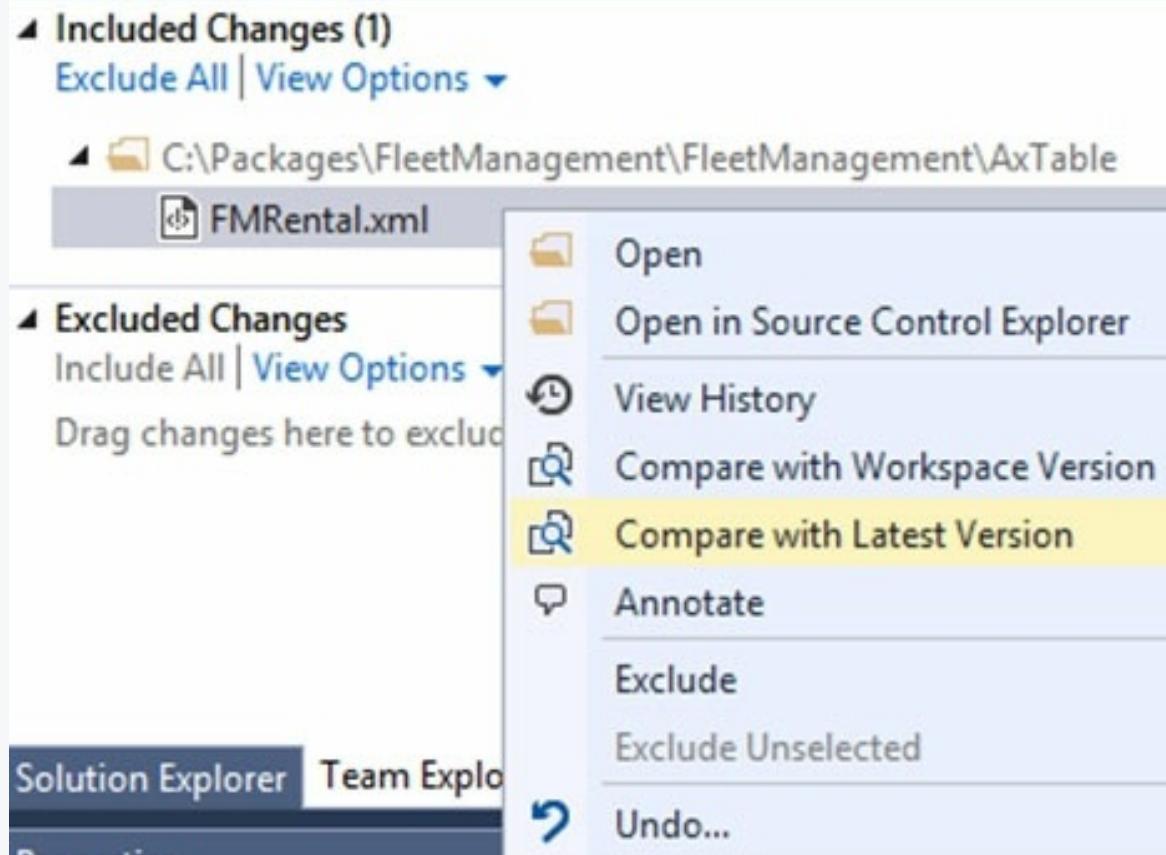
- A. In Team Explorer, select Compare with Latest Version.
- B. In Team Explorer, select Compare with Workspace Version.
- C. In Team Explorer, select Compare Files.
- D. Run the tf diff command.
- E. Run the vsdiffmerge command.

Answer: ABD

Explanation:

Example:

In Team Explorer, right-click FMRental.xml, and select Compare with Latest Version.



⇒ Choose Compare with Latest Version to see how the changes you have made compare to the latest version of the file on your Team Foundation Server.

⇒ Choose Compare with Workspace Version to see what changes you have made to the version you checked out.

D: The diff tool of Visual Studio is very good to compare two files.

It compares, and if it is possible, displays differences between two files, files in two folders, or a shelveset and a local or a server file.

Syntax:

```
tf diff[erence] itemspec [/version:versionspec] [/type:filetype]
```

[/format:format [/ignorespace] [/ignoreeol] [/ignorecase] [/recursive]

[/options][/noprompt][/login:username,[password]]

Incorrect Answers:

E: vsdiffmerge is used for merging.

Reference:

<https://docs.microsoft.com/en-us/azure/devops/repos/tfvc/difference-command>

CertyIQ

Question: 191

An organization has two million customers that are part of the International customer group.

Validation must occur when customer records are updated. For all customers where the value of the customer group field is international, you must set the delivery mode to Air.

You need to update the customer records.

Which two code segments can you use? Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point.

A.

```
ttsbegin;
while select forupdate CustTable
    where CustTable.CustGroup == 'International'
{
    CustTable.DlvMode = 'Air';
    CustTable.update();
}
ttscommit;
```

B.

```
ttsbegin;
update CustTable
set DlvMode = 'Air'
where CustTable.Custgroup == 'International';
ttscommit;
```

C.

```
ttsbegin;
update_recordset CustTable
    where CustTable.Custgroup == 'International'
        setting DlvMode = 'Air';
ttscommit;
```

D.

```
ttsbegin;
while select forupdate CustTable
  where CustTable.CustGroup == 'International'
{
  CustTable.DlvMode = 'Air';
  CustTable.doUpdate();
}
ttscommit;
E.
ttsbegin;
update_recordset CustTable
  setting DlvMode = 'Air'
  where CustTable.Custgroup == 'International';
ttscommit;
```

Answer: AE

Explanation:

A: correct

B: wrong (should be "update_recordset" and "setting")

C: wrong ("where"&"setting" are vice versa)

D: wrong (don't use .doUpdate() unless you want to purposely skip validation)

E: correct

Question: 192

CertyIQ

HOTSPOT -

You are a Dynamics 365 Finance developer.

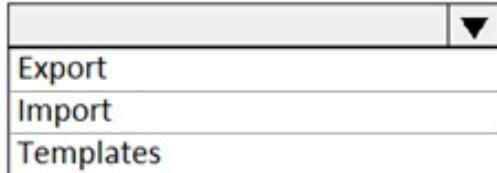
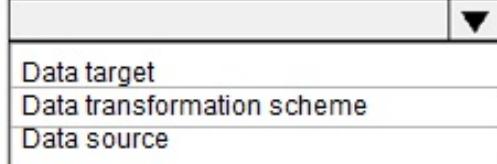
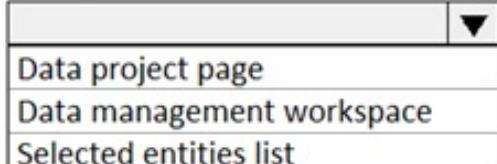
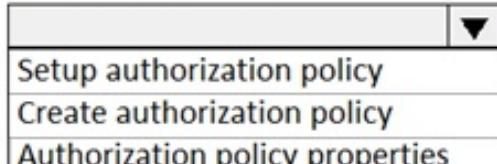
You need to export data from all products into a data package every day at 2 a.m. You open the Data Management workspace.

How should you complete the process? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

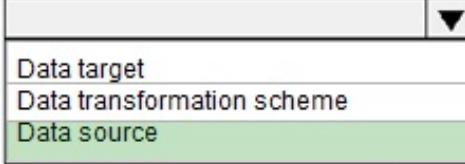
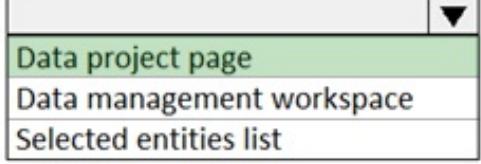
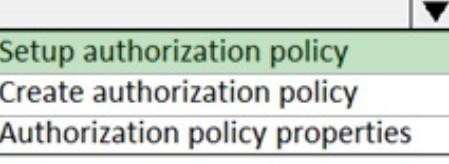
Hot Area:

Answer Area

	Actions
Select the	
Enter a valid	
On the	
On the	

Answer:

Answer Area

	Actions
Select the	
Enter a valid	
On the	
On the	

Explanation:

Box 1: Export -

Select the Import or Export (in this case) tile to create a new data project.

Box 2: Data source -

Enter a valid job name, data source, and entity name.

Box 3: Data project page -

On the Data project page, select Create recurring data job.

Box 4: Setup authorization policy

In the Set up authorization policy tab, enter the application ID that was generated for your application, and mark it as enabled.

Reference:

<https://docs.microsoft.com/en-us/dynamics365/fin-ops-core/dev-itpro/data-entities/recurring-integrations>

Question: 193

CertyIQ

You are training a new Dynamics 365 Finance developer.

You need to recommend where asynchronous integrations should be used instead of synchronous integrations.

For which scenario should you recommend asynchronous integration?

- A. A warehouse wants to track movement of all inventory from scanners to the system.
- B. A retailer wants to ensure gift card balances are communicated back to the system from point of sale (POS) terminals in near real-time.
- C. A company uses an on-premises inventory management system that needs to receive sales order data every hour throughout the day.
- D. A service company needs workers to be able to access just-in-time inventory data from the field by using a third-party Software as a Service (SaaS) application to ensure they have parts to complete a service.

Answer: C

Explanation:

Reference:

<https://docs.microsoft.com/en-us/dynamics365/fin-ops-core/dev-itpro/data-entities/integration-overview>

Question: 194

CertyIQ

DRAG DROP -

A company plans to deploy Dynamics 365 Finance.

You need to recommend deployment options for the company.

What should you recommend? To answer, drag the appropriate deployment options to the correct application requirement. Each deployment option may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

Select and Place:

Answer Area		
Deployment types	Requirement	Deployment type
cloud only	Export data to your own data warehouse.	
on-premises only	Configure SharePoint integration.	
cloud or on-premises	Implement Lifecycle services features.	
	Safe or load Task Recorder recordings from a BPM library.	

Answer:

Answer Area		
Deployment types	Requirement	Deployment type
cloud only	Export data to your own data warehouse.	cloud or on-premises
on-premises only	Configure SharePoint integration.	cloud only
cloud or on-premises	Implement Lifecycle services features.	cloud or on-premises
	Safe or load Task Recorder recordings from a BPM library.	cloud only

Explanation:

Reference:

<https://docs.microsoft.com/en-us/dynamics365/fin-ops-core/fin-ops/get-started/cloud-prem-comparison>

Question: 195**CertyIQ**

DRAG DROP -

You need to set up a recurring integration to enable file exchanges between Dynamics 365 Finance and a third-party system.

In which order should you perform the actions? To answer, move all actions from the list of actions to the answer area and arrange them in the correct order.

Select and Place:

Actions

Set up the processing recurrence.

Link a new application ID to the data recurring data job.

Specify whether you are using a file or data package.

Set up a data project.

Create a recurring data job.

Answer Area**Answer:**

Actions

- Set up the processing recurrence.
- Link a new application ID to the data recurring data job.
- Specify whether you are using a file or data package.
- Set up a data project.
- Create a recurring data job.

Answer Area

- Set up a data project.
- Create a recurring data job.
- Link a new application ID to the data recurring data job.
- Specify whether you are using a file or data package.
- Set up the processing recurrence.

Explanation:

Set up a data project - Create recurring data job - Link a new application ID to the data recurring job - Specify whether you are using a file or a data package - Set up the processing recurrence

Question: 196**CertyIQ****DRAG DROP -**

You are a Dynamics 365 Finance developer.

You need to configure integration between Dynamics 365 Finance and other tools.

Which integration types should you use? To answer, drag the appropriate integration types to the correct requirement. Each integration type may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

Select and Place:

Answer Area**Integration types** synchronous asynchronous**Requirement**

Request information about product availability from a web page to calculate the extended price.

Periodically update a reporting database.

Edit data in Microsoft Excel by using the Excel Data Connector add-in.

Import a credit card data file once each day.

Integration type**Answer:**

Answer Area

Integration types

synchronous

asynchronous

Requirement

Request information about product availability from a web page to calculate the extended price.

Periodically update a reporting database.

Edit data in Microsoft Excel by using the Excel Data Connector add-in.

Import a credit card data file once each day.

Integration type

synchronous

asynchronous

synchronous

asynchronous

Explanation:

Box 1: synchronous -

A synchronous pattern is a blocking request and response pattern, where the caller is blocked until the callee has finished running and gives a response.

Box 2: Asynchronous -

An asynchronous pattern is a non-blocking pattern, where the caller submits the request and then continues without waiting for a response.

Box 3: synchronous -

Box 4: Asynchronous -

A typical Batch job.

Reference:

<https://docs.microsoft.com/en-us/dynamics365/fin-ops-core/dev-itpro/data-entities/integration-overview>

Question: 197

CertyIQ

A company uses Dynamics 365 Finance.

You need to migrate all custom report artifacts from a development environment to a cloud-hosted Tier-1 test environment that has Visual Studio installed.

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

NOTE: Each correct selection is worth one point.

- A. Apply a deployment package
- B. Export the project as an .axpp file
- C. Create a deployment package
- D. Import the project into a cloud-hosted environment from an .axpp file and ensure that the Overwrite Elements option is selected

Answer: BD

Explanation:

Reference:

<https://community.dynamics.com/365/financeandoperations/b/howtodynamics365/posts/how-to-import-and-export-project-in-dynamics-365>

Question: 198

CertyIQ

DRAG DROP -

A company implements Dynamics 365 Finance and Dynamics 365 Supply Chain Management.

Customers place orders from the company website store or through sales representatives.

You create a Power Platform app to manage sales quotes for sales representatives who do not have direct access to the Finance and Supply Chain Management environment. The app must meet the following requirements:

⇒ Sales representatives must be able to create new customers.

Ensure that only approved products can be sold.

■ Be available when the sales representatives do not have internet access.

Web sales are imported nightly.

You need to determine a strategy to integrate apps.

What should you use? To answer, drag the appropriate options to the correct app features. Each option may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

Select and Place:

Options

Dual-write

Virtual entity

Composite entity

Answer Area

App feature

New customers

Approved products

Web orders

Option

Option

Option

Option

Answer:

Options

Dual-write

Virtual entity

Composite entity

Answer Area

App feature

New customers

Approved products

Web orders

Option

Virtual entity

Composite entity

Dual-write

Explanation:

New Customer -Virtual entity -should work without internet connection

Approved product list- Composite entity - Cust and approved product

Website - Dual write

Question: 199

CertyIQ

You are training a new Dynamics 365 Finance developer.

You need to recommend where asynchronous integrations should be used instead of synchronous integrations.

For which scenario should you recommend asynchronous integration?

- A. A retailer requires all new customer data captured at point of sale (POS) terminals through the day sent back to the system.
- B. A service company needs workers to be able to access just-in-time inventory data from the field by using a third-party Software as a Service (SaaS) application to ensure they have parts to complete a service.
- C. A manufacturer wants to move production data from an on-premises deployment Dynamics 365 Finance in near real-time.
- D. A warehouse wants to track movement of all inventory from scanners to the system.

Answer: A

Explanation:

Reference:

<https://docs.microsoft.com/en-us/dynamics365/fin-ops-core/dev-itpro/data-entities/integration-overview>

Question: 200

CertyIQ

A company wants to integrate Dynamics 365 Finance with an external application.
The apps must send each customer's name and address as a single column to the external application.
You need to add a computed column to the CustCustomerEntity.
What should you do?

- A. From the CustCustomerEntity table, select the Columns node, select New, and then select Mapped column.
- B. Create an extension for the CustTable table and then add the new display field.
- C. Create an extension of the CustCustomerEntity table, select New, and then select String Unmapped column.
- D. From the CustCustomerEntity table, select the Columns node, select New, and then select String Unmapped Column.

Answer: C

Explanation:

We can't modify a standard element, we have to create an extension.. So C for me

Question: 201

CertyIQ

DRAG DROP -

A company uses Dynamics 365 finance and operations apps. The company plans to integrate third-party products with Dynamics 365 Finance.

You need to select the appropriate data integration option for each scenario.

Which data integration option should you select? To answer, drag the appropriate data integration options to the correct scenarios. Each data integration option may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

Select and Place:

Data integration options	Answer Area	Scenario	Data integration option
Batch data API		Move asset status information from an on-premises application to Dynamics 365 Finance in near real time by using a publicly exposed data entity.	
Custom service		Provide information from Dynamics 365 Finance to a website to display item prices in near real time by using the SOAP protocol.	
OData		Import vendor invoices into Dynamics 365 Finance at the end of each business day.	

Answer:

Data integration options	Answer Area	Scenario	Data integration option
Batch data API		Move asset status information from an on-premises application to Dynamics 365 Finance in near real time by using a publicly exposed data entity.	OData
Custom service		Provide information from Dynamics 365 Finance to a website to display item prices in near real time by using the SOAP protocol.	Custom service
OData		Import vendor invoices into Dynamics 365 Finance at the end of each business day.	Batch data API

Explanation:

Box 1: OData -

If OData is used to insert product records, the records are immediately inserted as part of the OData call.

Typical scenario and pattern that use OData integrations

Create and update product information

A manufacturer defines and configures its product by using a third-party application that is hosted on-premises. This manufacturer wants to move its production information from the on-premises application to Finance and Operations. When a product is defined, or when it's changed in the on-premises application, the user should see the same change, in real time.

Box 2: Custom service -

If a custom service is used to look up on-hand inventory, business logic is immediately run as part of the JSON/SOAP call, and an inventory sum number is immediately returned.

Box 3: Batch data API -

An asynchronous pattern is a non-blocking pattern, where the caller submits the request and then continues without waiting for a response.

Typical scenarios and patterns that use batch data integrations (asynchronous pattern)

Here is a typical scenario that uses batch data APIs.

Import large volumes of sales orders

A company receives a large volume of sales orders from a front-end system that runs on-premises. These orders must periodically be sent to the application for processing and management.

Reference:

<https://docs.microsoft.com/en-us/dynamics365/fin-ops-core/dev-itpro/data-entities/integration-overview>

Question: 202

HOTSPOT

CertyIQ

A company wants to integrate Dynamics 365 Finance with third-party applications.

You need to select integration patterns for various scenarios.

Which integration patterns should you use? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Scenario

A customer calls customer support and asks to change their address information in real time.

Data integration API

Batch data API
Custom web service
OData service endpoints

A company receives a large volume of purchase orders from a front-end system that runs on-premises. The orders must periodically be sent to Dynamics 365 Finance for processing and management.

Batch data API
Custom web service
OData service endpoints

A company defines and configures products by using a third-party application that is hosted on-premises. This company wants to move the information from the on-premises application to Dynamics 365 Finance in real time.

Batch data API
Custom web service
OData service endpoints

Answer:

Scenario

A customer calls customer support and asks to change their address information in real time.

Data integration API

Batch data API
Custom web service
OData service endpoints

A company receives a large volume of purchase orders from a front-end system that runs on-premises. The orders must periodically be sent to Dynamics 365 Finance for processing and management.

Batch data API
Custom web service
OData service endpoints

A company defines and configures products by using a third-party application that is hosted on-premises. This company wants to move the information from the on-premises application to Dynamics 365 Finance in real time.

Batch data API
Custom web service
OData service endpoints

Question: 203

DRAG DROP

You create a Power Apps app to display customer feedback.

You need to submit and display customer feedback for each sales order.

CertyIQ

In which order should you perform the actions? To answer, move all actions from the list of actions to the answer area and arrange them in the correct order.

Actions

- Navigate to the Sales order form.
- Personalize the page.
- Refresh the browser.
- Configure and embed the app.

Answer area



Answer:

Answer area

- Navigate to the Sales order form.
- Personalize the page.
- Configure and embed the app.
- Refresh the browser.

Question: 204

CertyIQ

DRAG DROP

-

A company uses Dynamics 365 Finance.

You implement the SysOperation framework to create the following batch processes.

Batch process	Description and requirements
1	This process is lengthy. Users must be able to continue working while the process runs. The process must complete successfully.
2	This is a short process. The process is permitted to block the work of a user while the process runs.
3	This is a process that must run every night of each workday.

You need to configure the execution mode for each batch process.

Which execution modes should you use? To answer, drag the appropriate execution modes to the correct requirements. Each execution mode may be used once, more than once, or not at all. You may need to drag the split bar between panes scroll to view content.

NOTE: Each correct selection is worth one point.

Execution modes

- reliable asynchronous
- synchronous
- asynchronous

Answer Area

Requirement

Lengthy operation

Short operation

Runs on a recurring schedule

Execution mode

Three separate rectangular boxes with dashed blue borders, used for dragging execution modes from the Requirements section to the Execution mode section.

Answer:

Answer Area

Requirement	Execution mode
Lengthy operation	reliable asynchronous
Short operation	synchronous
Runs on a recurring schedule	asynchronous

Question: 205

CertyIQ

HOTSPOT

You are developing a Power BI report.

The report must show the number of past due invoices in near real time.

You need to embed the report in the Analytics tab of a Vendor Payments workspace.

What should you use? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Which type of file should you create for the Power BI report?

▼
.pbix file
.pbit file

Which type of data connectivity model should you use?

▼
SQL Server DirectQuery
SQL Server import
OData feed

Answer:

Which type of file should you create for the Power BI report?

.pbix file
.pbit file

Which type of data connectivity model should you use?

SQL Server DirectQuery
SQL Server import
OData feed

Question: 206

CertyIQ

DRAG DROP

You need to integrate Dynamics 365 Finance with the following applications.

Application	Scenario	Real-time data required
Dynamics 365 Customer Service app	Sales representatives must be able to change the credit limit for customers by using the app.	Yes
e-commerce website	Customers use the website to request information about product availability.	Yes
on-premises mainframe system	The system generates sales orders. The sales orders must be imported daily into Dynamics 365 Finance.	No

Which integration patterns should you use? To answer, drag the appropriate patterns to the correct applications. Each pattern may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

Patterns

- dual-write
- custom service
- batch data integration

Answer Area

- | Application | Pattern |
|-----------------------------------|---------|
| Dynamics 365 Customer Service app | |
| e-commerce website | |
| on-premises mainframe system | |

Answer:

Answer Area

Application	Pattern
Dynamics 365 Customer Service app	dual-write
e-commerce website	custom service
on-premises mainframe system	batch data integration

Question: 207

CertyIQ

An error message displays when a user tries to save an outgoing electronic reporting document.

You need to ensure that the document format supports electronic reporting.

Which three formats can you use? Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point.

- A.JSON
- B.XML
- C.Microsoft Word document
- D.OPENXML
- E.Microsoft Excel workbook

Answer: ABC

Explanation:

- A.JSON
- B.XML
- C.Microsoft Word document

Question: 208

CertyIQ

You develop apps for Dynamics 365 Supply Chain Management.

You need to track changes only for sales header information by using data entities.

Which change tracking option should you use?

- A.Enable custom query
- B.Enable entire entity
- C.Enable primary table
- D.Disable change tracking

Answer: A

Explanation:

- A.Enable custom query

Question: 209

CertyIQ

DRAG DROP

A company uses Dynamics 365 Finance.

You must create two data entities:

- The first entity must allow access to customer groups by using OData.
- The second entity must be able to bulk export customer data by using a batch process.

You need to enable the properties for each entity you create.

Which properties should you enable? To answer, drag the appropriate properties to the correct requirements. Each property may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

Properties

Set-based SQL operations

Data management capabilities

Is Read Only

Public API

Answer Area**Requirement**

Customer groups entity

Property

Customer data entity

Answer:

Properties

Set-based SQL operations

Data management capabilities

Is Read Only

Public API

Answer Area

Requirement

Customer groups entity

Customer data entity

Property

Data management capabilities

Set-based SQL operations

Explanation:

Data Management Capabilities.

Set based SQL operations

Question: 210

CertyIQ

DRAG DROP

A company uses Dynamics 365 Finance.

The company needs to track deletions of purchase order header records only.

You need to enable the change tracking.

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.

Actions

- Select **Configure entity export to database** from the Data management workspace.
- Select the database to export data to and then select Publish.
- Select the Enable entire entity option.
- Select the data entity list page from the Data management workspace and then select Change tracking.
- Select the Enable primary table option.
- Select the published entity and then select Change tracking.

Answer area



Answer:

Answer area

- Select **Configure entity export to database** from the Data management workspace.
- Select the database to export data to and then select Publish.
- Select the published entity and then select Change tracking.
- Select the Enable primary table option.

Question: 211

A company requires a Power Apps app that will enable users to view and create new leads in Dynamics 365 from the app.

The data is in a custom entity named LeadsTable, which is not accessible outside Dynamics 365.

You need to make the data available outside Dynamics 365.

What should you do?

- A.Enable IsPublic for the data entity linked to the LeadsTable.
- B.Assign the create, read, update, and delete operations for the LeadsTable to the sales associate role.
- C.Enable all create, read, update, and delete operations on the LeadsTable table.
- D.Create an aggregate data entity for the LeadsTable.
- E.Enable data management capabilities on the data entity.

Answer: A

Explanation:

Enable IsPublic for the data entity linked to the LeadsTable.

Question: 212

You are training a new Dynamics 365 Finance developer.

You need to recommend where asynchronous integrations should be used instead of synchronous integrations.

For which scenario should you recommend asynchronous integration?

- A.A company uses workflow for purchasing approvals, which then sends just-in-time approval information to a third-party application for approvers to review.
- B.A manufacturer wants to move production data from an on-premises deployment Dynamics 365 Finance in near real-time.
- C.A retailer requires all new customer data captured at point of sale (POS) terminals through the day sent back to the system.
- D.A warehouse wants to track movement of all inventory from scanners to the system.

Answer: C

Explanation:

A retailer requires all new customer data captured at point of sale (POS) terminals through the day sent back to the system.

Question: 213

You are training a new Dynamics 365 Finance developer.

You need to recommend where asynchronous integrations should be used instead of synchronous integrations.

For which scenario should you recommend asynchronous integration?

- A.A company uses an on-premises inventory management system that needs to receive sales order data every

hour throughout the day.

B.A retailer wants to ensure gift card balances are communicated back to the system from point of sale (POS) terminals in near real-time.

C.A manufacturer wants to move production data from an on-premises deployment Dynamics 365 Finance in near real-time.

D.A warehouse wants to track movement of all inventory from scanners to the system.

Answer: A

Explanation:

A company uses an on-premises inventory management system that needs to receive sales order data every hour throughout the day.

Question: 214

CertyIQ

DRAG DROP

-

A company uses Dynamics 365 Supply Chain Management.

You are developing multiple integrations.

You need to select the appropriate integration models for the integrations.

Which integration model should you select? To answer, drag the appropriate data integration models to the correct requirements. Each data integration model may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

Data integration models

Answer Area

Requirement

Data integration model

Custom service

Users must be able to view changes in near real time in Dynamics 365 when they create or make changes to a product in an external system.

Azure Data Lake integration

Update and synchronize customer information in Dynamics 365 Supply Chain Management that is created or updated in Dynamics 365 Sales.

Dual-write

Share information about the on-hand quantity of products in near real time with an external web-based e-commerce application that supports the SOAP protocol.

OData

Answer:

Data integration models

Answer Area

Requirement

Data integration model

Custom service

Users must be able to view changes in near real time in Dynamics 365 when they create or make changes to a product in an external system.

OData

Azure Data Lake integration

Update and synchronize customer information in Dynamics 365 Supply Chain Management that is created or updated in Dynamics 365 Sales.

Dual-write

Dual-write

Share information about the on-hand quantity of products in near real time with an external web-based e-commerce application that supports the SOAP protocol.

Custom service

OData

Question: 215**HOTSPOT****Case study**

This is a case study. Case studies are not timed separately. You can use as much exam time as you would like to complete each case. However, there may be additional case studies and sections on this exam. You must manage your time to ensure that you are able to complete all questions included on this exam in the time provided.

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To start the case study

To display the first question in this case study, click the Next button. Use the buttons in the left pane to explore the content of the case study before you answer the questions. Clicking these buttons displays information such as business requirements, existing environment, and problem statements. When you are ready to answer a question, click the Question button to return to the question.

Background

Munson's Pickles and Preserves Farm produces and sells jarred food goods. The organization has several production and warehouse locations across the United States. Each location runs both production and warehousing operations. The company has three locations: East, Central, and West.

The company is upgrading its Dynamics AX 2009 system to Dynamics 365 Finance.

Current environment. General

Munson's Pickles and Preserves Farm plans to migrate customizations, data, and integration from its legacy system into Dynamics 365 finance and operations apps.

The Dynamics 365 finance and operations environment includes:

- multiple cloud-hosted development environments using Microsoft Visual Studio 2017
- a Microsoft Azure DevOps project for source control
- two tier 2 environments for user acceptance testing and staging, as well as production

Munson's Pickles and Preserves Farm is currently in the planning and development phase of the upgrade process. The company's internal development team needs additional development resources to address issues. The company already created a project that is set up to use a custom model named GPExtensions.

Current environment. Integrations

Munson's Pickles and Preserves Farm has a new integration for its freight processing information. The internal development team created the secure file transfer protocol (SFTP) site for the source information to be stored and the staging table to house the source information once the data is added to Dynamics 365 Finance. Information from the source will be transferred once a day from the source system and integrated with the target system. More than 10,000 records will be transferred over the integration. The company created an aggregate entity for the integration to minimize the amount of transmitted data.

Munson's Pickles and Preserves Farm has added a new integration for freight processing where all item weights,

dimensions, and other factors will be configured in the external portal while planning the loads. Once the load is planned, it will be integrated into Dynamics 365 finance and operations apps for the freight invoice processing to occur.

No duplicate invoices or posting are associated with the freight invoice charges. The integration of this information from the source system is intended only for report creation and compilation purposes.

Current environment. Planned changes

Munson's Pickles and Preserves Farm wants to change inventory forms to fit its current needs. Any modifications or enhancements must follow the existing functionality for forms in Dynamics 365 Finance.

Requirements. Integrations

All data from integrations have the same format as an existing Dynamics 365 Finance apps field. All enhancements or customizations must use existing assets before creating new functionality.

Munson's Pickles and Preserves Farm wants to change its integration strategy to include real-time data from the freight processing source system. The inventory must update as it is sold from the system. That information will be updated in Dynamics 365 Finance.

The freight processing integration requires the use of an SFTP site to store XML files from the source system. The additional integration will use OData and must be transferred in real time.

A periodic batch job must:

- Pull data from the SFTP site.
- Import the data to a staging table used to hold the information from the source system.
- Map source data to the target table in Dynamics 365 Finance.

The imported Load ID field must be added to the Sales Order header for all processed orders. Additional requirements for integrations, including other integration strategies, may be necessary as the company grows. Existing tables must be changed to include the Load ID. The database will need to be synched before adding the Load ID field.

Requirements. Changes

Munson's Pickles and Preserves Farm must change the Inventory Status form to include more columns. It plans to create a table to enter the data for the Inventory Status form as a new data source. The company wants to add both the Product Name field and Batch ID field to this new table. The current form includes the item number, location, license plate, product inventory dimensions, and quantity.

The grid on the Inventory Status form must include the product name by using the item number and legal entity. The user interface must be created to include the new columns and the data must be available to add to the grid. The form must have only an Action Pane, a Navigation List, a List Style Grid, a Details Header, and a Details Tab in the design and include the Load ID field.

Munson's Pickles and Preserves Farm is currently in the process of adding the other required fields: one for Product Name and one for Batch ID. The new fields must be related to extended data types for the original fields on the existing data source for the Inventory Status form. Munson's Pickles and Preserves Farm plans to add the EcoResProductName and Batch ID data to the extended table for WHSTmpStatusChange. The fields on the table extension must be populated with data and visible on the Inventory Status form on insert.

Issues

- The internal development team has created the SFTP site connections, the staging table, and the batch jobs for the new integration for freight processing. The development team needs to map the source data to the target table and the data management workspace. The development team notices errors with mapping target fields in the data management workspace. The team needs another developer to configure the table extensions, class extensions, and form extensions that are required for the planned changes.

- The internal development team has issues adding the required fields to the Inventory Status standard form. The team needs another developer to configure the table extensions, class extensions, and form extensions that are required for the planned changes.

You need to design integrations for the freight processing source system.

Which integration strategies should you implement? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Answer Area

Element	Value
Integration type	<input type="checkbox"/> Asynchronous <input type="checkbox"/> Synchronous
Job type	<input type="checkbox"/> One time job <input type="checkbox"/> Recurring job
Process type	<input type="checkbox"/> Real time <input type="checkbox"/> Non-real time

Answer:

Answer Area

Element	Value
Integration type	<div style="border: 1px solid #ccc; padding: 5px; width: fit-content;">Asynchronous Synchronous</div>
Job type	<div style="border: 1px solid #ccc; padding: 5px; width: fit-content;">One time job Recurring job</div>
Process type	<div style="border: 1px solid #ccc; padding: 5px; width: fit-content;">Real time Non-real time</div>

Explanation:

- 1) Asynchronous (app generates a file and places it in an FTP folder to be picked up and processed by a different system/process, which is asynchronous by definition)
- 2) Recurring job.
- 3) Real time.

Question: 216

CertyIQ

Case study -

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- The internal development team has issues adding the required fields to the Inventory Status standard form. The team needs another developer to configure the table extensions, class extensions, and form extensions that are required for the planned changes.

You need to test and map the freight processing integration.

Which data management concept is used for the XML file to import the freight processing data?

- A.data project
- B.data job
- C.data entity
- D.data package

Answer: C

Explanation:

Correct answer is C:data entity.

Question: 217

An organization has 1,000 vendors that are part of a vendor group named Employee. You have a field named DlvTerm that is used to describe the delivery terms for a vendor.

CertyIQ

You need to set the value of DlvTerm to Cash for all vendors in the vendor group. You must update all vendor records in the vendor group as a single bulk operation.

Which two code segments can you use? Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point.

- A.
- ```
ttsbegin; while select forupdate VendTable where VendTable.VendGroup == 'Employee' { VendTable.DlvTerm = 'Cash'; VendTable.update(); }
ttscommit;
```
- B.
- ```
ttsbegin;
update_recordset vendTable
setting DlvTerm = 'Cash'
where VendTable.VendGroup == 'Employee';
ttscommit;
```
- C.
- ```
VendTable v;
var vo = new SysDaUpdateObject (v);
vo.settingClause()
.add(fieldStr(VendTable, DlvTerm), new SysDaValueExpression ("Cash"));
vo.whereClause(new SysDaEqualsExpression(
new SysDaFieldExpression(v, fieldStr(VendTable, VendGroup)),
new SysDaValueExpression("Employee")));
ttsbegin;
new SysDaUpdateStatement().execute(vo);
ttscommit;
```
- D.
- ```
VendTable v;
var vo = new SysDaUpdateObject(v);
vo.settingClause()
.add(fieldStr(VendTable, DlvTerm), new SysDaValueExpression("Cash"));
vo.whereClause(new SysDaEqualsExpression(
new SysDaFieldExpression (v, fieldStr(VendTable, VendGroup)),
new SysDaValueExpression("Employee")));
ttsbegin;
new SysDaUpdateStatement().update(vo);
ttscommit;
```

Answer: BC

Explanation:

Correct answer is BC.

Question: 218

CertyIQ

A company requires Dynamics 365 finance and operations apps to notify third-party applications when data from purchase orders is available for consumption.

You need to configure the trigger to capture the purchase order data.

Which mechanism should you use?

- A.Workflow framework export
- B.SysTest framework
- C.Recurring data entity export
- D.Business event

Answer: D**Explanation:**

Correct answer is D:Business event.

Question: 219

CertyIQ

Contoso, Ltd. uses Dynamics 365 Finance. You receive reports of performance issues with the app.
You need to use Performance Timer to investigate the issues.

Which URL should you use?

- A. <https://contoso.cloudax.dynamics.com/?cmp=USMF&debug=perftimer>
- B. <https://contoso.cloudax.dynamics.com/?cmp=USMF&debug=develop>
- C. <https://contoso.cloudax.dynamics.com/?cmp=USMF&mi=performancetimer>
- D. <https://contoso.cloudax.dynamics.com/?cmp=USMF=debug=developer>

Answer: B**Explanation:**

To open the Performance timer, open your webpage with the added parameter debug=develop:
<https://yoursite.cloud.test.dynamics.com/en/? cmp=USMF&debug=develop>

Reference:

<https://docs.microsoft.com/en-us/dynamics365/fin-ops-core/dev-itpro/perf-test/performance-timer>

Question: 220

CertyIQ

You use the performance timer to monitor and optimize Dynamics 365 performance.
You need to view information about how many users are currently using the application.
Which performance counter should you use?

- A. Services Session Provider
- B. Web Client Session
- C. Forms
- D. GC

Answer: B

Explanation:

Web client session, count of the users

Question: 221**CertyIQ**

DRAG DROP -

You are a Dynamics 365 Finance developer.

You need to use the Extensible Data Security (XDS) framework to restrict access to the data in the Sales table form based on the customer group and the role of the user.

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:

Actions

Create a security policy that links to the query and primary table.

Create a query to define filters.

Define the list of constrained tables.

Assign the newly created role to the user.

Create new user role and add required privileges.

Answer Area**Answer:****Actions**

Create a security policy that links to the query and primary table.

Create a query to define filters.

Define the list of constrained tables.

Assign the newly created role to the user.

Create new user role and add required privileges.

Answer Area

Create a query to define filters.

Create a security policy that links to the query and primary table.

Define the list of constrained tables.

Explanation:

Reference:

<https://community.dynamics.com/365/b/exploringdynamics365/posts/extensible-data-security-in-d365>

CertyIQ**Question: 222**

DRAG DROP -

You are a Dynamics 365 Finance and Operations developer.

You need to use the Extensible Data Security (SDS) framework to restrict the data in the Sales table form based on the customer group and the role of 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:

Answer Area**Actions**

Create a security policy that links to the query and primary table.

Create a query to define filters.

Define the context for the rule.

Define the list of constrained tables.

Assign the newly created role to the user.

Create new user role and add required privileges.

Answer Area

Actions

Create a security policy that links to the query and primary table.

Create a query to define filters.

Define the context for the rule.

Define the list of constrained tables.

Assign the newly created role to the user.

Create new user role and add required privileges.

Create a query to define filters.

Create a security policy that links to the query and primary table.

Define the list of constrained tables.

Define the context for the rule.

Explanation:

Create a query to define filters - Create a security policy that links to the query and primary table - Define the list of constraint tables - Define the context for the rule

Question: 223

CertyIQ

DRAG DROP -

You are a Dynamics 365 Finance developer.

You need configure table caching.

Which CacheLookup properties should you use? To answer, drag the CacheLookup properties to the correct table. Each property may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

Select and Place:

Answer Area

CacheLookup properties

EntireTable

NotInTTS

Found

FoundAndEmpty

Table type

Parameters

Transaction

Master data

CacheLookup property

Region specific master data

Answer:

Answer Area

CacheLookup properties

EntireTable

NotInTTS

Found

FoundAndEmpty

Table type

Parameters

Transaction

Master data

Region specific master data

CacheLookup property

EntireTable

NotInTTS

Found

EntireTable

Explanation:

Box1 : entire table

Box 2: NotInTTS -

All successful caching key selects are cached.

When in a transaction (after ttsBegin), no caches made outside the transaction are used. When inside a transaction, the record is read once from the database and subsequently from the cache. The record is select-locked when reading in a transaction, which ensures that the record cached is not updated while the transaction is active.

A typical example of the NotInTTS property is on the CustTable in the Microsoft Dynamics AX application. It is acceptable to read outdated data from the cache outside a transaction, but when data is used for validation or creating references, it is ensured that the data is real-time.

Box 3: Found

Box 4 : entire table

Question: 224

CertyIQ

HOTSPOT -

You are a Dynamics 365 Finance developer. You create a form.

You must ensure that only sales managers can view the form.

You need to set up security for the form.

What should you do? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Step	Action
1	<p>Add the menu item for the form to the entry point node of a new privilege.</p> <p>Add the form object to the entry point node of a new privilege.</p> <p>Add the form object to the directaccesspermissions node of a new privilege.</p>
2	<p>Add the privilege to a new duty.</p> <p>Add the menu item for the form to the directaccesspermissions node of a new privilege.</p> <p>Add the privilege to a new security policy.</p>
3	<p>Add the duty to the security role for sales managers.</p> <p>Add the security policy to the security role for sales managers.</p>

Answer:

Answer Area

Step	Action
1	<p>Add the menu item for the form to the entry point node of a new privilege.</p> <p>Add the form object to the entry point node of a new privilege.</p> <p>Add the form object to the directaccesspermissions node of a new privilege.</p>
2	<p>Add the privilege to a new duty.</p> <p>Add the menu item for the form to the directaccesspermissions node of a new privilege.</p> <p>Add the privilege to a new security policy.</p>
3	<p>Add the duty to the security role for sales managers.</p> <p>Add the security policy to the security role for sales managers.</p>

Explanation:

Step 1: Add the menu item for the form to the entry point node of a new privilege

<https://docs.microsoft.com/en-us/dynamicsax-2012/developer/security-permissions-properties-for-a-form>

Step 2: Add the privilege to a new duty

You need to assign this privilege in desired security role and security duty.

Step 3: Add the duty to the security role for sales managers.

Question: 225

CertyIQ

HOTSPOT -

You are a Dynamics 365 Finance developer.

You need to create a security rule that meets the following requirements:

- ⇒ Provide the same permissions as HcmWorkerActionHireRead
- ⇒ Assign the Update level access and the HcmHumanResourceManager Role

Which settings should you use? To answer, select the appropriate option in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Setting Property

Operation

Insert
Update
Delete
InsertUpdateDelete

Set HcmHumanResourceManager

Primary Table
Query
Role Name
Operation

Answer:

Answer Area

Setting Property

Operation

Insert
Update
Delete
InsertUpdateDelete

Set HcmHumanResourceManager

Primary Table
Query
Role Name
Operation

Question: 226

HOTSPOT -

You are a Dynamics 365 Finance developer.

CertyIQ

You launch the Performance Timer tool to troubleshoot performance issues with a business process.

You need to view the results from the tool.

What does the tool present? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Performance Timer tool link	Data
Forms	<p>The number of open forms and the rate at which they are opened and closed (per second). The total number of forms and the rate at which they are opened and closed (per second). The number of open forms and the rate at which they are opened and closed (per minute). The total number of forms and the rate at which they are opened and closed (per minute).</p>
Services Session Provider	<p>The total number of sessions created. The number of current web client sessions and how many are in use. Information about the garbage collection processes on the server.</p>

Answer:

Answer Area

Performance Timer tool link	Data
Forms	<p>The number of open forms and the rate at which they are opened and closed (per second). The total number of forms and the rate at which they are opened and closed (per second). The number of open forms and the rate at which they are opened and closed (per minute). The total number of forms and the rate at which they are opened and closed (per minute).</p>
Services Session Provider	<p>The total number of sessions created. The number of current web client sessions and how many are in use. Information about the garbage collection processes on the server.</p>

Explanation:

Box 1: The number of open forms and ..(per second)

Forms - Forms will show how many forms are currently open, plus the rate at which they opened and closed (per second), and a set of counters, such as the total amount of created or closed forms.

Box 2: Services Session provider - This is the total number of sessions created.

Reference:

<https://docs.microsoft.com/en-us/dynamics365/fin-ops-core/dev-itpro/perf-test/performance-timer>

Question: 227

CertyIQ

You are Dynamics 365 Finance developer.

You need to explain the performance advantages of the different concurrency models.

What are three performance advantages of optimistic concurrency control over pessimistic concurrency control?

Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point.

- A. Records are locked as soon as they are retrieved from the database.
- B. Records remain available for other processes while they are selected from the database.
- C. Records are locked for a shorter length of time.
- D. Fewer resources are used to lock records during updates.
- E. One record cannot be selected for update by two different processes at the same time.

Answer: BCD

Explanation:

Optimistic Concurrency only locks records from the time when the actual update is performed.

Following are the advantages of using OCC:

Records remain available for other processes to update if they have been selected from the database but haven't yet been updated.

Records are locked for a shorter length of time.

Fewer resources are used to hold the locks during the update process.

Incorrect Answers:

A: Pessimistic Concurrency Control locks records as soon as they are fetched from the database for an update.

E: One record can be selected for update by two different processes at the same time when using OCC.

Reference:

<https://docs.microsoft.com/en-us/dynamicsax-2012/developer/optimistic-concurrency-control>

Question: 228

CertyIQ

DRAG DROP -

A company uses Dynamics 365 Finance.

You need to implement role-based security for a set of fields in a table.

How should you arrange the security elements? To answer, drag the appropriate security elements to the correct locations. Each element may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

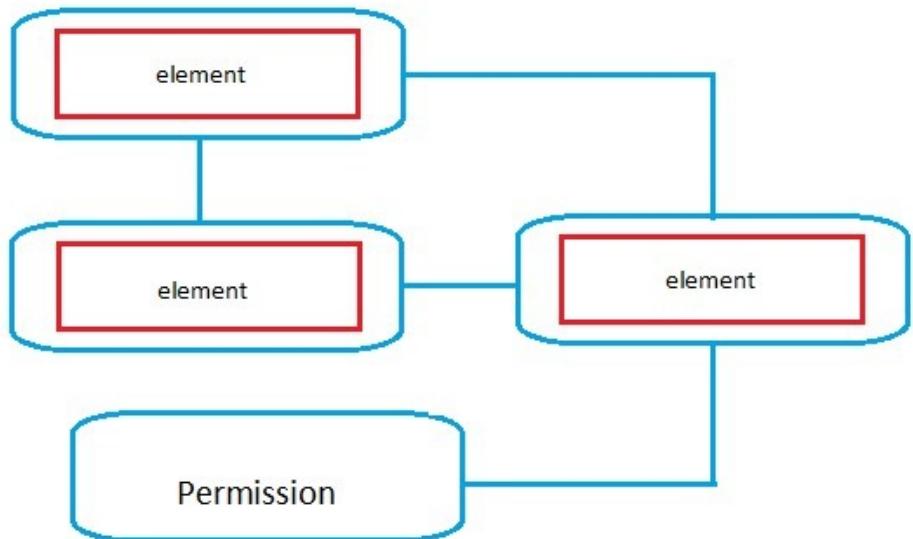
NOTE: Each correct selection is worth one point.

Select and Place:

Answer Area

Elements

- Role
- Privilege
- Duty



Answer:

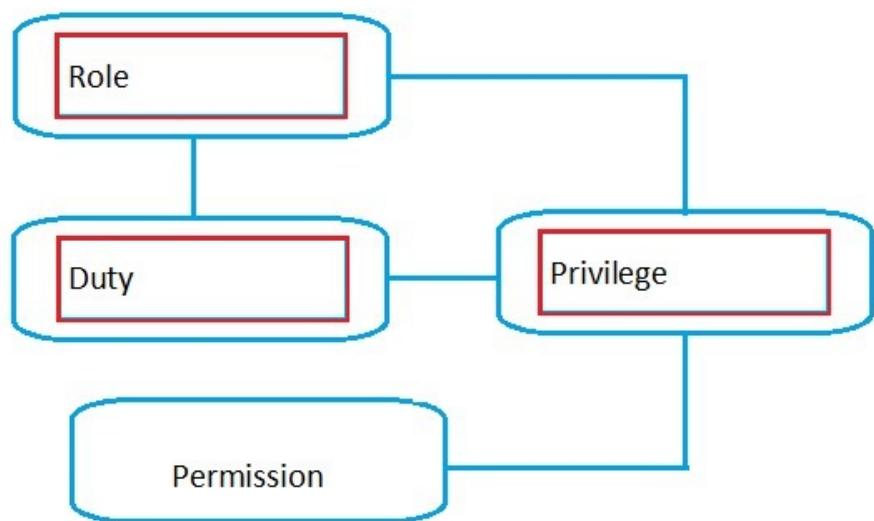
Answer Area

Elements

Role

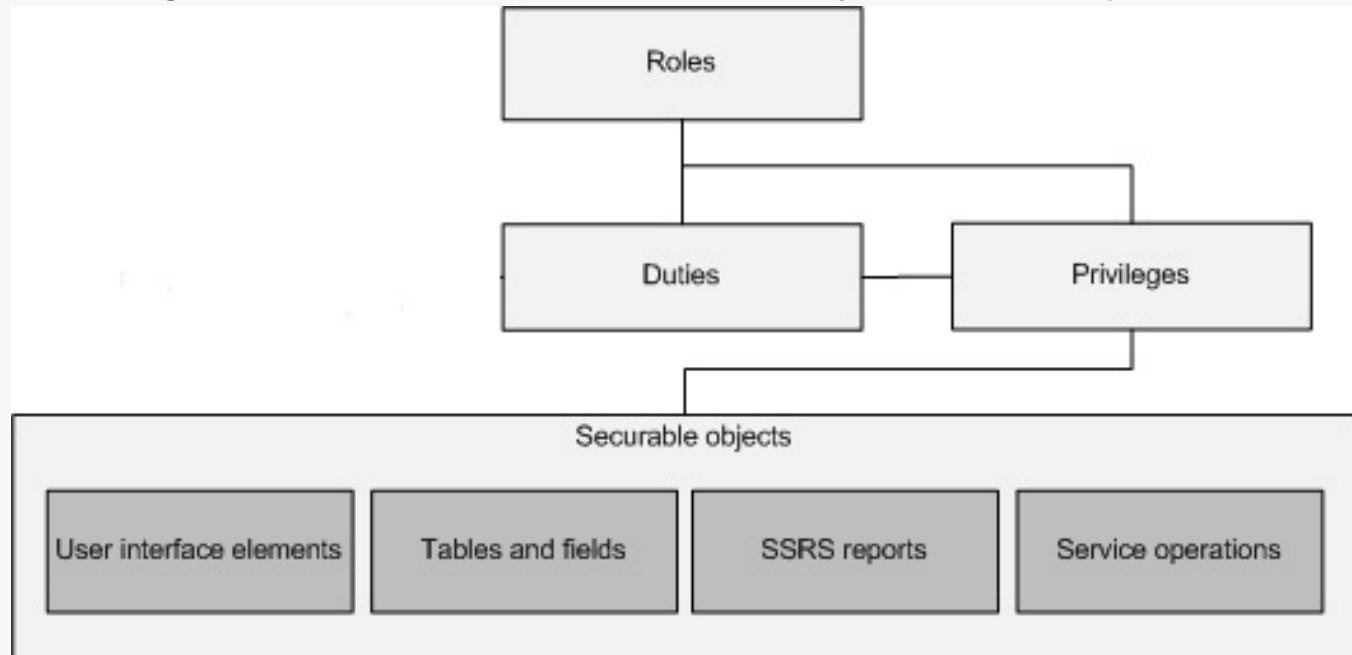
Privilege

Duty



Explanation:

The following illustration shows the elements of role-based security and their relationships.



Reference:

<https://docs.microsoft.com/en-us/dynamics365/fin-ops-core/dev-itpro/sysadmin/role-based-security>

Question: 229

CertyIQ

DRAG DROP -

A company uses Dynamics 365 Finance.

A user is unable to access the new Customer Credit Limit report.

You need to configure security for the report.

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:

Actions

Add the duty extension to a role

Create a new privilege and duty extension

Add the new privilege to a duty extension and output the menu item to the privilege

Add a display menu item to the privilege

Create a new security policy and duty extension

Answer Area**Answer:****Actions**

Add a display menu item to the privilege

Create a new security policy and duty extension

Answer Area

Create a new privilege and duty extension

Add the new privilege to a duty extension and output the menu item to the privilege

Add the duty extension to a role

Question: 230**CertyIQ**

A developer submits code for a quality assurance review. Several lines of code use the var data type. You need to validate the segments for the correct X++ structure. Which code statement will pass validation?

- A. var var1 = systemDataGet(); var1 = var1 ? today():Not today;
- B. var var1 = (var1 >= false) ? true:10;
- C. var var1 = true; var1 = true ? 10:false;
- D. var var1 = true ? 10:10;

Answer: C**Explanation:**

```
var var1 = true; var1 = true ? 10:false;
```

Question: 231**CertyIQ**

You are training a new Dynamics 365 Finance developer. You need to recommend where asynchronous integrations should be used instead of synchronous integrations. For which scenario should you recommend asynchronous integration?

- A. A company uses workflow for purchasing approvals, which then sends just-in-time approval information to a third-party application for approvers to review.

- B. When products are updated in Finance and Operations, a third-party application that contains the same product information needs to also be updated in near real-time.
- C. A retailer wants to ensure gift card balances are communicated back to the system from point of sale (POS) terminals in near real-time.
- D. A retailer requires all new customer data captured at point of sale (POS) terminals through the day sent back to the system.

Answer: D

Explanation:

A retailer requires all new customer data captured at point of sale (POS) terminals through the day sent back to the system.

CertyIQ

Question: 232

HOTSPOT -

You develop a customization for Dynamics 365 Supply Chain Management.

You need to optimize performance for this customization.

Which concurrency control options should you implement? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:

Lock records as soon as they are retrieved from a data source

▼
Optimistic
Pessimistic

Minimize the resources that are used to lock records during updates

▼
Optimistic
Pessimistic

Answer:

Lock records as soon as they are retrieved from a data source

▼
Optimistic
Pessimistic

Minimize the resources that are used to lock records during updates

▼
Optimistic
Pessimistic

Explanation:

Pessimistic and Optimistic right answer

Question: 233

CertyIQ

DRAG DROP -

You are developing new features for an app.

You must perform unit testing for the features by using the Unit Test framework.

You need to create unit test code using appropriate test attributes.

Which test attribute should you use? To answer, drag the appropriate test attributes to the correct descriptions.

Each test attribute may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

Select and Place:

Test attributes	Answer Area	
	Description	Test attribute
SysTestMethodAttribute	Unit testing code	
SysTestInactivateTestAttribute	Indicates the class or method is deactivated	
SysTestCheckInTestAttribute		
SysTestTargetAttribute		

Answer:

Test attributes	Answer Area	
	Description	Test attribute
SysTestMethodAttribute	Unit testing code	SysTestMethodAttribute
SysTestInactivateTestAttribute	Indicates the class or method is deactivated	SysTestInactivateTestAttribute
SysTestCheckInTestAttribute		
SysTestTargetAttribute		

Question: 234

CertyIQ

DRAG DROP

A company implements Dynamics 365 Finance.

You must prevent users from viewing vendors based on vendor group.

You need to create an Extensible Data Security (XDS) policy to meet this requirement.

In which order should you perform the actions? To answer, move all actions from the list of actions to the answer area and arrange them in the correct order.

Actions	Answer area
Create a policy query for the primary table.	
Add a constraint table to the security policy.	
Build and sync the XDS policy.	
Create a security policy.	

(Up arrow) (Down arrow)

Answer:

Actions

- Create a policy query for the primary table.
- Add a constraint table to the security policy.
- Build and sync the XDS policy.
- Create a security policy.



Answer area

- Create a policy query for the primary table.
- Create a security policy.
- Add a constraint table to the security policy.
- Build and sync the XDS policy.



Question: 235

CertyIQ

HOTSPOT

You are implementing record-level security by using Extensible Data Security (XDS) in Dynamics 365 Finance.

Users must be permitted to view sales orders only from customers they manage.

You need to configure the CustGroup form.

Which options should you use? To answer select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Restrict CustGroup to a value of **12**.

▼
Composite query
Simple query
View

Evaluate whether a policy should be applied.

▼
Constraint table
Context string
Primary table

Set a policy to secure a primary table.

▼
Constraint table
Context string
Primary table

Set a policy for a specific user role.

▼
RoleName
RoleProperty

Answer:

Restrict CustGroup to a value of 12.

Composite query
Simple query
View

Evaluate whether a policy should be applied.

Constraint table
Context string
Primary table

Set a policy to secure a primary table.

Constraint table
Context string
Primary table

Set a policy for a specific user role.

RoleName
RoleProperty

Question: 236

CertyIQ

A company uses Dynamics 365 Finance.

There are performance issues with the sales order list page and invoicing process.

You need to diagnose the issues by using the Performance timer.

Which two processes can the Performance timer monitor? Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point.

- A. the X++ process call stack
- B. the time consumed by a client and a server
- C. the metadata of a web session
- D. the longest-running SQL statement

Answer: CD

Explanation:

- C. the metadata of a web session
- D. the longest-running SQL statement

Question: 237

CertyIQ

You create a custom payroll form.

You must ensure that only the finance manager can view the form.

You need to set up security for the form.

Which three actions should you perform? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

- A. Add the privilege to a new duty.
- B. Add the duty to the security role of system users.
- C. Add the privilege to a new security policy.
- D. Add the duty to the security role for finance managers.
- E. Add the menu item of the form to the entry point of a new privilege.

Answer: ADE**Explanation:**

- A. Add the privilege to a new duty.
- D. Add the duty to the security role for finance managers.
- E. Add the menu item of the form to the entry point of a new privilege.

Question: 238

CertyIQ

A company uses Dynamics 365 Finance.

Two processes attempt to update the same customer record at the same time. One of the updates fails.

You need to resolve the issue by overriding the table concurrency model.

Which Select statement should you use?

- A. select firstonly optimisticLock custTable where custTable.AccountNum == '000001';
- B. select firstonly forupdate custTable where custTable.AccountNum == '000001';
- C. select firstonly pessimisticLock custTable where custTable.AccountNum == '000001';
- D. select firstonly firstFast custTable where custTable.AccountNum == '000001';

Answer: C**Explanation:**

```
select firstonly pessimisticLock custTable where custTable.AccountNum == '000001';
```

Question: 239

CertyIQ

Users report that a company's Dynamics 365 Finance website is slow.

You suspect that a SQL query attached to the task GetFormInteractionTask is the cause.

You need to determine how long it takes for the query to run and return results.

What should you use?

- A. Performance timer
- B. Performance monitor
- C. Microsoft Edge debugging tools
- D. Fiddler

Answer: A

Explanation:

Performance timer

Question: 240

CertyIQ

DRAG DROP

A company uses Dynamics 365 Finance.

You use the Data management workspace to export data. You must export all vendor groups in the company. The destination file must be a Microsoft Excel file with the .xlsx format.

You need to export the data.

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.

Actions

Answer Area

Select the Vendor groups entity and the CSV format and add the entity to the export project.

Export the entity.

Select the Vendor groups entity and the Excel format and add the entity to the export project.

Enter a group name and description for the new project.

In the Data management workspace, create an Export definition group.



Answer:

Answer Area

Enter a group name and description for the new project.

In the Data management workspace, create an Export definition group.

Select the Vendor groups entity and the Excel format and add the entity to the export project.

Export the entity.

Question: 241

CertyIQ

Case study -

This is a case study. Case studies are not timed separately. You can use as much exam time as you would like to complete each case. However, there may be additional case studies and sections on this exam. You must manage your time to ensure that you are able to complete all questions included on this exam in the time provided.

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To start the case study -

To display the first question in this case study, click the Next button. Use the buttons in the left pane to explore the content of the case study before you answer the questions. Clicking these buttons displays information such as business requirements, existing environment, and problem statements. When you are ready to answer a question, click the Question button to return to the question.

Background -

Wide World Importers sell office supplies, furniture, and fittings to their customers across the United States. The company has the following locations:

- a retail store in Seattle
- a warehouse in Seattle
- a customer support and call center in Atlanta
- a team of field workers that provide furniture installation services at customer sites.

Wide World Importers plans to implement Dynamics 365 Finance and Microsoft Azure cloud platform features.

Current environment -

Customers may place orders by email, phone, or by using the company's website. The company authorizes and processes credit card transactions by using a web-based application. Customer, inventory, supplier, and other master and transactional data is stored in a legacy database.

The company collects feedback from customers by phone or a form on the company's website and maintains the

data in a Microsoft Excel workbook.

Wide World Importers runs on-premises applications to manage payroll and workers compensation. The company has a set of Microsoft Power BI dashboards that present data from a reporting database.

The company creates a Lifecycle Services (LCS) implementation project and completes Dynamics 365 Finance onboarding.

The company maintains production, quality assurance (QA), development, user acceptance testing (UAT), and build environments.

Requirements -

General -

- You must configure a cloud-based Dynamics 365 Finance development environment and enable code extensions that support updates.
- You must configure version control and a Build environment.
- You must migrate all legacy data to the new system.
- You must implement best practices for X++ coding, the data model, caching, and security.
- All new code must be unit tested in a development environment and then validated by the QA team before code is added to source control.

Business processes -

- You must configure vendor trade agreements.
- Products must be shipped directly from suppliers to customers depending on customer location to save indirect costs.
- You must collect customer feedback on products shipped directly from vendors.
- You must deploy code to a UAT environment for testing before deploying code to production.
- You must validate all entries for the purchase order creation form.
- You must develop a web portal that allows customers to browse products, place orders, and check order status. Product data for the web portal must be integrated as periodic batches.

Business systems -

- You must install and configure a third-party solution for credit card processing within Dynamics 365 Finance. The third-party company will provide a deployable package.
- The workers compensation application must be able to call an API to update worker compensation details in Dynamics 365 Finance.
- You must develop a process to import payroll journals into the system.
- You must configure the warehouse mobile device portal for warehouse operations.
- You must install a third-party solution to support web portal integration. The solution is supplied as a source code model file.

Vendor exclusion list -

You must develop a new solution to maintain a Vendor exclusion list for each customer and item combination. The solution must meet the following requirements:

- Isolate all new vendor exclusion codes as a new assembly by creating a table named VendExclusions.
- Create an index for the table named PrimaryIdx that uses the following fields: CustAccount, ItemId, VendAccount.
- Ensure that users can open the Vendor Exclusion list report from the customer master form. The list must display the customer account, Item ID, and Vendor account fields.
- Implement the Excel integration for the Vendor Exclusion List form.
- Provide functionality to periodically export the Vendor exclusion list to prepare reports by using standard reporting capabilities of Dynamics 365 Unified Operations.
- Develop necessary security permissions to view and maintain the new Vendor exclusion list functionality and reporting. Users with maintain rights will be able to create, update, and delete the exclusion list. Permissions must be assigned to security roles to match company security model.
- Maintain referential integrity with other tables.

- Users must be presented with a warning message before a direct delivery purchase order is created for a vendor in exclusion list.
- Sales managers must be alerted when a new exclusion record is added to the system.

Security -

- You must implement the record level audit feature to identify the users who created the record.
- Grant specific users rights to maintain the vendor exclusion list by using Excel.
- You must implement validation to check whether a proposed direct delivery purchase order vendor is on the exclusion list for the customer and product combination.

Issues -

- User1 is not able to access many features in the system. You must provide User1 administrator rights.
- A sales manager suspects a data-related issue in the vendor exclusion list. User1 must identify the user who created the referenced exclusion records.
- Developer2 joins the company and does not have access to a development environment or source control.
- User2 reports performance issues when they generate direct delivery purchase orders after current updates are applied.
- User2 reports that they cannot access new functionality and reports.

You need to investigate the Vendor exclusion list issue.

What should you do?

- A. Navigate to the Page options tab, select Record Info, and then select Show all fields.
- B. Navigate to the Options tab and select Personalize this form. Add a field button and the required field.
- C. Navigate to the General tab and select Personalize this form. Add a field button and the required field.
- D. Navigate to the Page options tab and select Personalize this form. Add a field button and the required field.

Answer: B

Explanation:

Navigate to the Options tab and select Personalize this form. Add a field button and the required field.

Question: 242

CertyIQ

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

A company is automating manual processes in the Dynamics 365 finance and operations apps. The company has the following batch groups and priorities configured:

Batch Group Name	Priority
BATCHGROUP1	Normal
BATCHGROUP2	High
BATCHGROUP3	Critical
BATCHGROUP4	Reserved

The batch processes run during the following times of day:

Batch Active Period	Active From (local time)	Active To (local time)
LUNCHBREAK	12:00 PM	1:00 PM
AFTERHOURS	5:00 PM	8:00 AM

The company requires a process that meets the following requirements:

- Runs every weekday.
- Runs outside of work hours.
- Runs with at least a high priority.

You need to automate the manual process.

Solution: Create a batch job to have an active period of AFTERHOURS and a recurrence of Daily. Select the Every Weekday setting, and set the batch job to run as part of BATCHGROUP2.

Does the solution meet the goal?

- A.Yes
B.No

Answer: A

Explanation:

A. The solution meets all 3 requirements: after hours, week days, and high priority group.

Question: 243

CertyIQ

HOTSPOT -

You need to create the new table for the vendor exclusion list.

What should you do? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

What should you create?

a table extension for Vendors and a relation for Vendor exclusions
a relation between the Vendor exclusions table and the Vendors table
a table extension for Vendors and add a Delete Action for Vendor exclusions

For which property on the relationship node should you set a value?

▼
Validate
OnDelete
Relationship Type

Answer:

Answer Area

What should you create?

a table extension for Vendors and a relation for Vendor exclusions
a relation between the Vendor exclusions table and the Vendors table
a table extension for Vendors and add a Delete Action for Vendor exclusions

For which property on the relationship node should you set a value?

▼
Validate
OnDelete
Relationship Type

Explanation:

a Relation between the new table and Vendor table

and Relationship type

CertyIQ

Question: 244

You need to apply a form pattern to the Vendor exclusion list.
Which pattern should you use?

- A. Workspace
- B. Simple List
- C. List Page
- D. List View

Answer: B

Explanation:

Simple List is a correct answer

CertyIQ

Question: 245

Introductory Info Case study -

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Background -

Wide World Importers sell office supplies, furniture, and fittings to their customers across the United States. The company has the following locations:

a retail store in Seattle

a warehouse in Seattle

a customer support and call center in Atlanta

a team of field workers that provide furniture installation services at customer sites.

Wide World Importers plans to implement Dynamics 365 Finance and Microsoft Azure cloud platform features.

Current environment -

Customers may place orders by email, phone, or by using the company's website. The company authorizes and processes credit card transactions by using a web-based application. Customer, inventory, supplier, and other master and transactional data is stored in a legacy database.

The company collects feedback from customers by phone or a form on the company's website and maintains the data in a Microsoft Excel workbook.

Wide World Importers runs on-premises applications to manage payroll and workers compensation. The company has a set of Microsoft Power BI dashboards that present data from a reporting database.

The company creates a Lifecycle Services (LCS) implementation project and completes Dynamics 365 Finance onboarding.

The company maintains production, quality assurance (QA), development, user acceptance testing (UAT), and build environments.

Requirements -

General -

You must configure a cloud-based Dynamics 365 Finance development environment and enable code extensions that support updates.

You must configure version control and a Build environment.

You must migrate all legacy data to the new system.

You must implement best practices for X++ coding, the data model, caching, and security.

All new code must be unit tested in a development environment and then validated by the QA team before code is added to source control.

Business processes -

You must configure vendor trade agreements.

Products must be shipped directly from suppliers to customers depending on customer location to save indirect costs.

You must collect customer feedback on products shipped directly from vendors.

You must deploy code to a UAT environment for testing before deploying code to production.

You must validate all entries for the purchase order creation form.

You must develop a web portal that allows customers to browse products, place orders, and check order status.

Product data for the web portal must be integrated as periodic batches.

Business systems -

You must install and configure a third-party solution for credit card processing within Dynamics 365 Finance. The third-party company will provide a deployable package.

The workers compensation application must be able to call an API to update worker compensation details in Dynamics 365 Finance.

You must develop a process to import payroll journals into the system.

You must configure the warehouse mobile device portal for warehouse operations.

You must install a third-party solution to support web portal integration. The solution is supplied as a source code model file.

Vendor exclusion list -

You must develop a new solution to maintain a Vendor exclusion list for each customer and item combination. The solution must meet the following requirements:

Isolate all new vendor exclusion codes as a new assembly by creating a table named VendExclusions.

Create an index for the table named PrimaryIdx that uses the following fields: CustAccount, ItemId, VendAccount. Ensure that users can open the Vendor Exclusion list report from the customer master form. The list must display the customer account, Item ID, and Vendor account fields.

Implement the Excel integration for the Vendor Exclusion List form.

Provide functionality to periodically export the Vendor exclusion list to prepare reports by using standard reporting capabilities of Dynamics 365 Unified

Operations.

Develop necessary security permissions to view and maintain the new Vendor exclusion list functionality and reporting. Users with maintain rights will be able to create, update, and delete the exclusion list. Permissions must be assigned to security roles to match company security model.

Maintain referential integrity with other tables.

Users must be presented with a warning message before a direct delivery purchase order is created for a vendor in exclusion list.

Sales managers must be alerted when a new exclusion record is added to the system.

Security -

You must implement the record level audit feature to identify the users who created the record.

Grant specific users rights to maintain the vendor exclusion list by using Excel.

You must implement validation to check whether a proposed direct delivery purchase order vendor is on the exclusion list for the customer and product combination.

Issues -

User1 is not able to access many features in the system. You must provide User1 administrator rights.

A sales manager suspects a data-related issue in the vendor exclusion list. User1 must identify the user who created the referenced exclusion records.

Developer2 joins the company and does not have access to a development environment or source control.

User2 reports performance issues when they generate direct delivery purchase orders after current updates are applied.

User2 reports that they cannot access new functionality and reports. Question You need to meet the requirements for the purchase order creation form.

What are two possible ways to achieve this goal? Each correct answer presents a complete solution.

NOTE: each correct selection is worth one point.

- A. Create a class and add a form data source event handler method to the class.
- B. In Application Explorer, create a table extension and implement validation.
- C. In Application Explorer, create a form extension and implement validation.
- D. Implement Chain of Command (CoC) and method wrapping by creating a form extension class.

Answer: CD

Explanation:

Scenario:

Users must be presented with a warning message before a direct delivery purchase order is created for a vendor in exclusion list.

You must implement validation to check whether a proposed direct delivery purchase order vendor is on the exclusion list for the customer and product combination.

Question: 246

CertyIQ

DRAG DROP -

You need to develop, test, and deploy the Vendor Exclusion list solution.

What should you create? To answer, drag the appropriate objects to the correct actions. Each element may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

Select and Place:

Answer Area

Objects to create

existing model
new model
deployable package
package
model file
project

Action

Create a new deployable unit.

Create, manage, and group elements.

Group elements from a model together.

Distribute the solution to customers.

Object to create

Answer:

Answer Area

Objects to create

existing model
new model
deployable package
package
model file
project

Action

Create a new deployable unit.

Create, manage, and group elements.

Group elements from a model together.

Distribute the solution to customers.

Object to create

deployable package
new model
project
deployable package

Explanation:

Box 1: deployable package

Box 2: New model -

Model - You configure your model to refer to two other models. This enables your model to reference metadata and code elements that are in other packages.

Box 3: project -

Project - You create a project and then associate your project to your new model. You add elements to your project, which are also added to your model.

Specifically, you add an extended data type (EDT). You also add a table that you populate with fields and a method.

Box 4: deployable package -

Question: 247

CertyIQ

You need to implement the migration requirements.

Which two options can you use? Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point.

- A. a data entity and bring your own database (BYOD)
- B. a public data entity and the Excel add-in
- C. a data entity and Entity store
- D. a data entity and a Data management import job

Answer: BD

Explanation:

BYOD feature is for Analytics, data warehousing and for batch integrations

Entity store enables Power Bi integration so the answers are B & D

Question: 248

CertyIQ

Introductory Info Case study -

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Requirements -

General -

You must configure a cloud-based Dynamics 365 Finance development environment and enable code extensions that support updates.

You must configure version control and a Build environment.

You must migrate all legacy data to the new system.

You must implement best practices for X++ coding, the data model, caching, and security.

All new code must be unit tested in a development environment and then validated by the QA team before code is added to source control.

Business processes -

You must configure vendor trade agreements.

Products must be shipped directly from suppliers to customers depending on customer location to save indirect costs.

You must collect customer feedback on products shipped directly from vendors.

You must deploy code to a UAT environment for testing before deploying code to production.

You must validate all entries for the purchase order creation form.

You must develop a web portal that allows customers to browse products, place orders, and check order status.

Product data for the web portal must be integrated as periodic batches.

Business systems -

You must install and configure a third-party solution for credit card processing within Dynamics 365 Finance. The third-party company will provide a deployable package.

The workers compensation application must be able to call an API to update worker compensation details in Dynamics 365 Finance.

You must develop a process to import payroll journals into the system.

You must configure the warehouse mobile device portal for warehouse operations.

You must install a third-party solution to support web portal integration. The solution is supplied as a source code model file.

Vendor exclusion list -

You must develop a new solution to maintain a Vendor exclusion list for each customer and item combination. The solution must meet the following requirements:

Isolate all new vendor exclusion codes as a new assembly by creating a table named VendExclusions.

Create an index for the table named PrimaryIdx that uses the following fields: CustAccount, ItemId, VendAccount.

Ensure that users can open the Vendor Exclusion list report from the customer master form. The list must display the customer account, Item ID, and Vendor account fields.

Implement the Excel integration for the Vendor Exclusion List form.

Provide functionality to periodically export the Vendor exclusion list to prepare reports by using standard reporting capabilities of Dynamics 365 Unified

Operations.

Develop necessary security permissions to view and maintain the new Vendor exclusion list functionality and reporting. Users with maintain rights will be able to create, update, and delete the exclusion list. Permissions must be assigned to security roles to match company security model.

Maintain referential integrity with other tables.

Users must be presented with a warning message before a direct delivery purchase order is created for a vendor in exclusion list.

Sales managers must be alerted when a new exclusion record is added to the system.

Security -

You must implement the record level audit feature to identify the users who created the record.

Grant specific users rights to maintain the vendor exclusion list by using Excel.

You must implement validation to check whether a proposed direct delivery purchase order vendor is on the exclusion list for the customer and product combination.

Issues -

User1 is not able to access many features in the system. You must provide User1 administrator rights.

A sales manager suspects a data-related issue in the vendor exclusion list. User1 must identify the user who created the referenced exclusion records.

Developer2 joins the company and does not have access to a development environment or source control.

User2 reports performance issues when they generate direct delivery purchase orders after current updates are applied.

User2 reports that they cannot access new functionality and reports. Question DRAG DROP -

You need to implement the company's integration requirements.

Which integration strategies should you use? To answer, drag the appropriate integration strategies to the correct requirements. Each integration strategy may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

Select and Place:

Answer Area

Integration strategies

synchronous

asynchronous

Requirement

Export the vendor list for Power BI reporting.

Implement web portal products integration.

Update worker compensation details.

Import payroll journals.

Integration strategy

Answer:

Answer Area

Integration strategies

synchronous

asynchronous

Requirement

Export the vendor list for Power BI reporting.

Implement web portal products integration.

Update worker compensation details.

Import payroll journals.

Integration strategy

asynchronous

asynchronous

synchronous

asynchronous

Explanation:

Box 1: asynchronous -

An asynchronous pattern is a non-blocking pattern, where the caller submits the request and then continues without waiting for a response.

Box 2: asynchronous -

Box 3: Synchronous -

Box 4: asynchronous -

Batch data is asynchronous.

Question: 249

CertyIQ

You need to investigate the Vendor exclusion list issue.

What should you do?

- A. Navigate to the General tab, select Record Info, and then select Show all fields.

- B. Navigate to the General tab and select Personalize this form. Add a field button and the required field.
- C. Navigate to the Options tab, select Record Info, and then select Show all fields.
- D. Navigate to the Options tab and select Personalize this form. Add a field button and the required field.

Answer: C

Explanation:

Scenario: A sales manager suspects a data-related issue in the vendor exclusion list. User1 must identify the user who created the referenced exclusion records.

Select Record Info, and then selecting Show all fields will display the 'CreatedBy' field which shows the name of the user who created the record.

CertyIQ

Question: 250

You need to implement the payroll application data process.

Which two objects should you create? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

- A. a data contract class that uses the DataContractAttribute attribute
- B. a service class that has a public method which accepts a single parameter for a contract
- C. a class that extends SysOperationServiceBase
- D. an UIBuilder class that extends SysOperationAutomaticUIBuilder

Answer: AB

Explanation:

A & B.

Extending SysOperationServiceBase is optional for service. Look at the SysOperationServiceBase class remarks (it says can derive from this class and not must derive)

/// <remarks>

/// Services that need information about their runtime environment can derive from this class.

/// </remarks>

CertyIQ

Question: 251

You need to configure filtering for the Vendor Past Due Invoices form.

Which two filtering types can you use? Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point.

- A. QuickFilter
- B. Advanced Filter
- C. Grid Column Filtering
- D. Filter pane

Answer: BD

Explanation:

Exactly, we can apply filter pane and advanced filtering option to filter data using multiple fields and saved filters. So the correct answer would be B and D

Question: 252

CertyIQ

You need to configure models for the project.

What are two possible ways to achieve the goal? Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point.

- A. Create a new model that extends the existing FinanceExt model.
- B. Overlay the existing FinanceExt model and populate the solution definition.
- C. Extend the existing FinanceExt model and populate the project model definition.
- D. Modify the DefaultModelForNewProject setting in the DefaultConfig.xml file and name the model FinanceExt.

Answer: CD

Explanation:

We can't create new models - "The creation of new models is not permitted."

If we want to overlay there is the only way to create new model.

I guess the answer is C and D

Question: 253

CertyIQ

You need to configure security for the Vendor Exclusion List report.

What are two possible ways to achieve this goal? Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point.

- A. Create a new privilege, add a reference to an output menu item, and then add the new privilege to a role.
- B. Create a new security policy and add an output menu item. Add the new security policy to duty extension and then to a role extension.
- C. Create a new privilege extension and add an output menu item. Add the privilege to a duty extension and then to a role extension.
- D. Create a new privilege and assign it to an output menu item. Add the new privilege to a duty extension and then add the duty extension to a role.

Answer: AD

Explanation:

Scenario: Develop necessary security permissions to view and maintain the new Vendor exclusion list functionality and reporting. Users with maintain rights will be able to create, update, and delete the exclusion list. Permissions must be assigned to security roles to match company security model.

The privileges are simply a way to grant permissions to an entry point, which can be services, to a duty, role, or even directly to a user. Typically, we only add entry points to a privilege, such as menu items.

D: You can extend a Security Role or a Security Duty to add new duties/privileges to these elements.

Incorrect Answers:

C: We can't extend security privileges, we would always create a new privilege.

Reference:

Question: 254

Introductory Info Case study -

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To display the first question in this case study, click the Next button. Use the buttons in the left pane to explore the content of the case study before you answer the questions. Clicking these buttons displays information such as business requirements, existing environment, and problem statements. When you are ready to answer a question, click the Question button to return to the question.

Background -

Wide World Importers sell office supplies, furniture, and fittings to their customers across the United States. The company has the following locations:

a retail store in Seattle

a warehouse in Seattle

a customer support and call center in Atlanta

a team of field workers that provide furniture installation services at customer sites.

Wide World Importers plans to implement Dynamics 365 Finance and Microsoft Azure cloud platform features.

Current environment -

Customers may place orders by email, phone, or by using the company's website. The company authorizes and processes credit card transactions by using a web-based application. Customer, inventory, supplier, and other master and transactional data is stored in a legacy database.

The company collects feedback from customers by phone or a form on the company's website and maintains the data in a Microsoft Excel workbook.

Wide World Importers runs on-premises applications to manage payroll and workers compensation. The company has a set of Microsoft Power BI dashboards that present data from a reporting database.

The company creates a Lifecycle Services (LCS) implementation project and completes Dynamics 365 Finance onboarding.

The company maintains production, quality assurance (QA), development, user acceptance testing (UAT), and build environments.

Requirements -

General -

You must configure a cloud-based Dynamics 365 Finance development environment and enable code extensions that support updates.

You must configure version control and a Build environment.

You must migrate all legacy data to the new system.

You must implement best practices for X++ coding, the data model, caching, and security.

All new code must be unit tested in a development environment and then validated by the QA team before code is added to source control.

Business processes -

You must configure vendor trade agreements.

Products must be shipped directly from suppliers to customers depending on customer location to save indirect costs.

You must collect customer feedback on products shipped directly from vendors.

You must deploy code to a UAT environment for testing before deploying code to production.

You must validate all entries for the purchase order creation form.

You must develop a web portal that allows customers to browse products, place orders, and check order status. Product data for the web portal must be integrated as periodic batches.

Business systems -

You must install and configure a third-party solution for credit card processing within Dynamics 365 Finance. The third-party company will provide a deployable package.

The workers compensation application must be able to call an API to update worker compensation details in Dynamics 365 Finance.

You must develop a process to import payroll journals into the system.

You must configure the warehouse mobile device portal for warehouse operations.

You must install a third-party solution to support web portal integration. The solution is supplied as a source code model file.

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Create an index for the table named PrimaryIdx that uses the following fields: CustAccount, ItemId, VendAccount.

Ensure that users can open the Vendor Exclusion list report from the customer master form. The list must display the customer account, Item ID, and Vendor account fields.

Implement the Excel integration for the Vendor Exclusion List form.

Provide functionality to periodically export the Vendor exclusion list to prepare reports by using standard reporting capabilities of Dynamics 365 Unified

Operations.

Develop necessary security permissions to view and maintain the new Vendor exclusion list functionality and reporting. Users with maintain rights will be able to create, update, and delete the exclusion list. Permissions must be assigned to security roles to match company security model.

Maintain referential integrity with other tables.

Users must be presented with a warning message before a direct delivery purchase order is created for a vendor in exclusion list.

Sales managers must be alerted when a new exclusion record is added to the system.

Security -

You must implement the record level audit feature to identify the users who created the record.

Grant specific users rights to maintain the vendor exclusion list by using Excel.

You must implement validation to check whether a proposed direct delivery purchase order vendor is on the exclusion list for the customer and product combination.

Issues -

User1 is not able to access many features in the system. You must provide User1 administrator rights.

A sales manager suspects a data-related issue in the vendor exclusion list. User1 must identify the user who created the referenced exclusion records.

Developer2 joins the company and does not have access to a development environment or source control.

User2 reports performance issues when they generate direct delivery purchase orders after current updates are applied.

User2 reports that they cannot access new functionality and reports. Question You need to investigate the Vendor exclusion list issue.

What should you do?

- A. Navigate to the General tab and select Database log
- B. Navigate to the Page options tab, select Record Info, and then select Show all fields.
- C. Navigate to the Options tab and select Personalize this form. Add a field button and the required field.
- D. Navigate to the General tab, select Record Info, and then select Show all fields.

Answer: B

Explanation:

Note: A sales manager suspects a data-related issue in the vendor exclusion list. User1 must identify the user who created the referenced exclusion records.

On each form in Microsoft Dynamics AX, there is a menu item Record info on the OPTIONS menu tab page.

Click on the Record info button to get the next dialog presented.

The dialog gives you also the option to show all fields or view database log records related to a certain record.

The screenshot shows the Microsoft Dynamics AX interface for Project management and accounting. A context menu is open over a row in the 'ALL PROJECTS' list, with 'Rename' selected. A 'Parameters' dialog box is overlaid, prompting for a new Project ID. The current value is '00000093-A'. The dialog has 'OK' and 'Cancel' buttons.

Reference:

<https://kaya-consulting.com/en/how-to-rename-records-in-ax7/>

Question: 255

CertyIQ

HOTSPOT -

You need to configure security for the CashDisc form.

What changes should you make? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Account

Accounts Payable Manager

Duplicate the role and modify the existing privilege entry point access.
Create a new duty and privilege and add both to the role.
Run the security tool and validate access for the role.

Accounts Payable Clerk

Create a new role for the AP clerk and restrict delete access for the CashDisc form.
Create a new duty and add the existing privilege and add duty to the role.

Answer:

Answer Area

Account

Action

Accounts Payable Manager	Duplicate the role and modify the existing privilege entry point access. Create a new duty and privilege and add both to the role. Run the security tool and validate access for the role.
Accounts Payable Clerk	Create a new role for the AP clerk and restrict delete access for the CashDisc form. Create a new duty and add the existing privilege and add duty to the role.

Question: 256

CertyIQ

HOTSPOT -

The system includes the following code: (Line numbers are included for reference only.)

```
01 public boolean checkVendor(CustAccount _custAccount, ItemId _itemId,
  VendAccount _vendAccount)
02 {
03     boolean ret=true;
04     CustAccount custAccount;
05     ItemId itemId;
06     VendExclusion vendExclusion;
07     select vendExclusion
08
09     where vendExclusion.CustAccount == _custAccount
10         && vendExclusion.ItemId == _itemId
11         && vendExclusion.VendAccount == _vendAccount;
12     if (vendExclusion.RecId)
13     {
14         ret = false
15     }
16     return ret;
17 }
```

You need to apply changes to address User2's issues.

For each of the following statements, select Yes if the statement is true. Otherwise, select No.

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

	Statement	Yes	No
	Add the firstonly keyword to the query and choose a field list in the select statement.	<input type="radio"/>	<input type="radio"/>
	Review and configure clustered index table properties.	<input type="radio"/>	<input type="radio"/>
	Review and configure primary index table properties.	<input type="radio"/>	<input type="radio"/>
	Add a column list that includes the RecId field to the query.	<input type="radio"/>	<input type="radio"/>

Answer:

Answer Area

	Statement	Yes	No
	Add the firstonly keyword to the query and choose a field list in the select statement.	<input checked="" type="checkbox"/>	<input type="radio"/>
	Review and configure clustered index table properties.	<input type="radio"/>	<input checked="" type="checkbox"/>
	Review and configure primary index table properties.	<input checked="" type="checkbox"/>	<input type="radio"/>
	Add a column list that includes the RecId field to the query.	<input type="radio"/>	<input checked="" type="checkbox"/>

Explanation:

Scenario: User2 reports performance issues when they generate direct delivery purchase orders after current updates are applied.

Also: You must implement validation to check whether a proposed direct delivery purchase order vendor is on the exclusion list for the customer and product combination.

Box 1: YES

Box 2: No -

Box 3: Yes -

Box 4: Yes -

RecId stands for Record Identifier. It is often called RowId (row identifier). It is a unique and incremental value stored with each and every row of the table. In

Microsoft Dynamics AX 2012 and Microsoft Dynamics 365 for Finance and Operations, RecId is used as unique identifiers and to create relations between tables.

Another important point is the difference between RecId and Id. In simple words, RecId is generated by the kernel whereas the Id is generated by the application itself.

RecId is used to find out the unique row in the table.

Question: 257

CertyIQ

Introductory Info Case study -

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To display the first question in this case study, click the Next button. Use the buttons in the left pane to explore the content of the case study before you answer the questions. Clicking these buttons displays information such as business requirements, existing environment, and problem statements. When you are ready to answer a question, click the Question button to return to the question.

Background -

First Up Consultants provides Commercial Cleaning services to its clients. The company purchases all its cleaning supplies from Best For You Organics Company.

First Up Consultants is using a cloud-based Dynamics 365 Finance instance. The system has a foundation table named CashDisc that contains one cash discount record for each cash discount type.

Best For You Organics Company invoices First Up Consultants and allows cash discounts based on how fast an invoice is paid. First Up Consultants is entitled to a two percent discount from Best for You Organics for any invoice that is paid within 10 days and has a minimum invoice amount of \$2,500.

Business requirements -

All new and extended objects must be located in an existing model named FinanceExt. The creation of new models is not permitted.

Best For You Organics Company requires that First Up Consultants apply specific minimum invoice amounts to each cash discount record. A cash discount may only be applied when the minimum invoice amount requirement has been met. The new field must be added to the CashDisc form grid with the allowable visible number of characters set to 10.

First Up Consultants must retrieve the required Cash Discount methods and corresponding minimum invoice amounts directly from Best For You Organics Company's enterprise resource planning (ERP) system.

The Chief Financial Officer (CFO) requires the following reports:

A report that shows all outstanding invoices, their cash discount types including the new minimum threshold applicable, and the amount of the discount. The report must only be accessed by users who are members of the Accounts Payable Manager role.

You must create a Microsoft Excel workbook that lists unpaid invoices to Best For You Organics Company that have a due date earlier than 5/1/2019 and an

Invoice Amount between \$20,000 and \$100,000.

Cash discounts for unpaid invoices must be updated with the new minimum invoice amounts.

Technical requirements -

Vendor Invoices Past Due form -

You must be able to filter the grid on the Vendor Invoices Past Due form. By default, you must filter the form based on the Due Date, Invoice Amount, and Vendor columns. Users must be able to apply reusable user-specific filters to a page using multiple fields.

CashDisc form -

You must extend the CashDisc form to add a new field named MinimumInvoiceAmount to the form. You must add a new Extended Data Type to the extension model for the new field. The new field must be added above the discount

method field. The field must display 10 characters.

The accounts payable manager and the accounts payable clerk have Delete access to the form. You must alter permissions to limit accounts payable clerks to have only View access to the form.

Cash Discount Records report -

You must create a report that shows a list of CashDisc records. You must include the MinimumInvoiceAmount field and filtered data by using the CashDisc.DiscMethod field. Applicable security objects must be created in the existing `FinanceExt` model and configured so the report is accessible by those

users mapped to the accounts payable role.

Batch jobs -

You must create a batch job that runs on the last day of each month to update the current unpaid invoices with changes in the minimum invoice amount. The job must meet the following requirements:

Accept the following parameters: Vendor, DueDate.

Be callable by an Action menu item.

Allow users to specify vendors to include in the job.

Use SysOperation Framework for all batch jobs.

You must create a batch job to identify modified CashDisc.MinimumInvoiceAmount values and apply these to open Purchase Lines. Question You need to configure filtering for the Vendor Past Due Invoices form.

Which two filtering types can you use? Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point.

- A. QuickFilter
- B. Advanced Filter
- C. Grid Column Filtering
- D. Filter pane

Answer: BD

Explanation:

B and D

<https://docs.microsoft.com/en-us/dynamics365/fin-ops-core/dev-itpro/user-interface/filtering>

Question: 258

CertyIQ

You need to configure models for the project.

What are two possible ways to achieve the goal? Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point.

- A. Create a new model that extends the existing FinanceExt model.
- B. Overlay the existing FinanceExt model and populate the solution definition.
- C. Extend the existing FinanceExt model and populate the project model definition.
- D. Modify the DefaultModelForNewProject setting in the DefaultConfig.xml file and name the model FinanceExt.

Answer: CD

Explanation:

C. Extend the existing FinanceExt model and populate the project model definition.

D. Modify the DefaultModelForNewProject setting in the DefaultConfig.xml file and name the model FinanceExt.

Question: 259

CertyIQ

You need to update the CashDisc report to meet the requirements.
What should you do?

- A. Delete the existing CashDisc report in the extension model and create a new report.
- B. Extend the existing CashDisc report in the extension model and add the new field to the design.
- C. Duplicate the existing CashDisc report in the extension model and add the new field to the design.
- D. Customize the existing CashDisc report in the overlaying model and add the new field to the design.

Answer: B**Explanation:**

Design and Develop AOT Elements

Question: 260

CertyIQ

DRAG DROP -

You need to deploy the web portal integration solution.

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:

Actions

Add the package to source control and check in changes.

Build and create a deployment package.

Import the model into a Development environment.

Synchronize the models in the Developer environment by using **Get latest** feature.

Import the model into the Build environment.

Import the model into a QA environment.

Import the deployment package in another development environment.

Answer Area**Answer:**

Actions

Add the package to source control and check in changes.

Build and create a deployment package.

Import the model into a Development environment.

Synchronize the models in the Developer environment by using **Get latest** feature.

Import the model into the Build environment.

Import the model into a QA environment.

Import the deployment package in another development environment.

Answer Area

Import the model into a Development environment.

Synchronize the models in the Developer environment by using **Get latest** feature.

Add the package to source control and check in changes.

Build and create a deployment package.

Explanation:

-Import the model into a Development environment

->Synchronize the models in the Developer environment by using Get Lastest feature

-> Add the package to source control and check in changes

-> Build and create a deployment package

Question: 261**CertyIQ****HOTSPOT -**

You need to implement the integration for the Vendor Exclusion List form.

What should you do? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Element	Option
Element to add to project	Table extension Data Entity View Query
Key type to create	Unique key Foreign key
Action to perform	Build the project. Build and synchronize the database. Build the solution.

Answer:

Answer Area

Element	Option
Element to add to project	Table extension Data Entity View Query
Key type to create	Unique key Foreign key
Action to perform	Build the project. Build and synchronize the database. Build the solution.

Explanation:

Box 1: DATA ENTITY

Box 2: Unique key -

Create an index for the table named PrimaryIdx that uses the following fields: CustAccount, ItemId, VendAccount.

Box 3: Build and synchronize the database.

A project property lets you specify that the synchronize operation for the database should be performed every time that you build the project. This can be useful when you're making changes to the table structure for an application. Each time that you build, you will know that the database is synchronized with the tables as they are defined in the project.

Reference:

<https://docs.microsoft.com/en-us/dynamics365/business-central/dev-itpro/developer/devenv-table-ext-object> <https://docs.microsoft.com/en-us/dynamics365/fin-ops-core/dev-itpro/dev-tools/build-operations#synchronizing-the-database-at-each-build>

Question: 262

CertyIQ

HOTSPOT -

The system includes the following code: (Line numbers are included for reference only.)

```
01  public boolean checkVendor(CustAccount _custAccount, ItemId _itemId,
  VendAccount _vendAccount)
02  {
03      boolean ret=true;
04      CustAccount custAccount;
05      ItemId itemId;
06      VendExclusion vendExclusion;
07      select vendExclusion
08
09      where vendExclusion.CustAccount == _custAccount
10         && vendExclusion.ItemId == _itemId
11         && vendExclusion.VendAccount == _vendAccount;
12      if (vendExclusion.RecId)
13      {
14          ret = false
15      }
16      return ret;
17 }
```

You need to apply changes to address User2's issues.

For each of the following statements, select Yes if the statement is true. Otherwise, select No.

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Hot Area:

Answer Area

	Statement	Yes	No
	Add the firstonly keyword to the query and choose a field list in the select statement.	<input type="radio"/>	<input type="radio"/>
	Review and configure clustered index table properties.	<input type="radio"/>	<input type="radio"/>
	Review and configure primary index table properties.	<input type="radio"/>	<input type="radio"/>
	Add a column list that includes the RecId field to the query.	<input type="radio"/>	<input type="radio"/>

Answer:

Answer Area

	Statement	Yes	No
	Add the firstonly keyword to the query and choose a field list in the select statement.	<input checked="" type="radio"/>	<input type="radio"/>
	Review and configure clustered index table properties.	<input type="radio"/>	<input checked="" type="radio"/>
	Review and configure primary index table properties.	<input checked="" type="radio"/>	<input type="radio"/>
	Add a column list that includes the RecId field to the query.	<input checked="" type="radio"/>	<input type="radio"/>

Explanation:

Box 1: Yes

Select firstonly increase performance and with field list it is added performance boost.

Box 2: No -

Box 3: Yes -

Box 4: Yes -

RecId stands for Record Identifier. It is often called RowId (row identifier). It is a unique and incremental value stored with each and every row of the table. In

Microsoft Dynamics AX 2012 and Microsoft Dynamics 365 for Finance and Operations, RecId is used as unique identifiers and to create relations between tables.

Another important point is the difference between RecId and Id. In simple words, RecId is generated by the kernel whereas the Id is generated by the application itself.

RecId is used to find out the unique row in the table.

Question: 263**Introductory Info Case study -**

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Background -

First Up Consultants provides Commercial Cleaning services to its clients. The company purchases all its cleaning supplies from Best For You Organics Company.

First Up Consultants is using a cloud-based Dynamics 365 Finance instance. The system has a foundation table named CashDisc that contains one cash discount record for each cash discount type.

Best For You Organics Company invoices First Up Consultants and allows cash discounts based on how fast an invoice is paid. First Up Consultants is entitled to a two percent discount from Best for You Organics for any invoice that is paid within 10 days and has a minimum invoice amount of \$2,500.

Business requirements -

All new and extended objects must be located in an existing model named FinanceExt. The creation of new models is not permitted.

Best For You Organics Company requires that First Up Consultants apply specific minimum invoice amounts to each cash discount record. A cash discount may only be applied when the minimum invoice amount requirement has been met. The new field must be added to the CashDisc form grid with the allowable visible number of characters set to 10.

First Up Consultants must retrieve the required Cash Discount methods and corresponding minimum invoice amounts directly from Best For You Organics Company's enterprise resource planning (ERP) system.

The Chief Financial Officer (CFO) requires the following reports:

A report that shows all outstanding invoices, their cash discount types including the new minimum threshold applicable, and the amount of the discount. The report must only be accessed by users who are members of the Accounts Payable Manager role.

You must create a Microsoft Excel workbook that lists unpaid invoices to Best For You Organics Company that have a due date earlier than 5/1/2019 and an Invoice Amount between \$20,000 and \$100,000.

Cash discounts for unpaid invoices must be updated with the new minimum invoice amounts.

Technical requirements -**Vendor Invoices Past Due form -**

You must be able to filter the grid on the Vendor Invoices Past Due form. By default, you must filter the form based on the Due Date, Invoice Amount, and Vendor columns. Users must be able to apply reusable user-specific filters to a page using multiple fields.

CashDisc form -

You must extend the CashDisc form to add a new field named MinimumInvoiceAmount to the form. You must add a new Extended Data Type to the extension model for the new field. The new field must be added above the discount method field. The field must display 10 characters.

The accounts payable manager and the accounts payable clerk have Delete access to the form. You must alter permissions to limit accounts payable clerks to have only View access to the form.

Cash Discount Records report -

You must create a report that shows a list of CashDisc records. You must include the MinimumInvoiceAmount field and filtered data by using the CashDisc.DiscMethod field. Applicable security objects must be created in the existing 'FinanceExt' model and

configured so the report is accessible by those users mapped to the accounts payable role.

Batch jobs -

You must create a batch job that runs on the last day of each month to update the current unpaid invoices with changes in the minimum invoice amount. The job must meet the following requirements:

Accept the following parameters: Vendor, DueDate.

Be callable by an Action menu item.

Allow users to specify vendors to include in the job.

Use SysOperation Framework for all batch jobs.

You must create a batch job to identify modified CashDisc.MinimumInvoiceAmount values and apply these to open Purchase Lines. Question HOTSPOT -

You need to modify the CashDisc form to meet the requirements.

Which objects should you use? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Action

Create the following object on the CashDisc table:

duplicate
extension
inheritance
overlayering

Add a

relation
field
display method
field group

to the table and then add the object to an existing

index
field group
map
relation

Restore the

design
data source
form parts
form methods

of the CashDisc form.

Answer:

Answer Area

Action

Create the following object on the CashDisc table:

duplicate
extension
inheritance
overlayering

Add a

relation
field
display method
field group

to the table and then add the object to an existing

index
field group
map
relation

Restore the

design
data source
form parts
form methods

of the CashDisc form.

Explanation:

Scenario: CashDisc form -

You must extend the CashDisc form to add a new field named MinimumInvoiceAmount to the form. You must add a new Extended Data Type to the extension model for the new field. The new field must be added above the discount method field. The field must display 10 characters.

Box 1: extension -

To add a new field to an existing table, you must first create a table extension.

Box 2: field -

Box 3: field group -

Box 4: data source -

Often, the information that is stored in existing tables doesn't satisfy customer requirements. Therefore, additional tables must be created, and data from those tables must be shown on pages.

You can add new data sources to existing forms through extension. Follow these steps.

1. In the extension model, create a form extension for the selected form.
2. Right-click the form extension, and then select New Data Source.

Reference:

<https://docs.microsoft.com/en-us/dynamics365/fin-ops-core/dev-itpro/extensibility/add-datasource>

CertyIQ**Question: 264**

You need to modify the environment to meet the requirements for the Cash Discount Records report. What should you do?

- A. Create an extension of CashDisc in a new project and add the field to the extended table.
- B. Create a new table named CashDiscExtension in the project.
- C. Use Open Designer to add the field to the table.
- D. Create an overlayer of CashDisc in a new project and add the field.

Answer: A**Explanation:**

Create an extension of CashDisc in a new project and add the field to the extended table

CertyIQ**Question: 265**

You need to update the CashDisc report to meet the requirements.

What should you do?

- A. Delete the existing CashDisc report in the extension model and create a new report.
- B. Extend the existing CashDisc report in the extension model and add the new field to the design.
- C. Duplicate the existing CashDisc report in the extension model and add the new field to the design.
- D. Customize the existing CashDisc report in the overlayering model and add the new field to the design.

Answer: C

Explanation:

C is the right answer. You duplicate the existing report

Question: 266

CertyIQ

Introductory Info Case study -

This is a case study. Case studies are not timed separately. You can use as much exam time as you would like to complete each case. However, there may be additional case studies and sections on this exam. You must manage your time to ensure that you are able to complete all questions included on this exam in the time provided.

To answer the questions included in a case study, you will need to reference information that is provided in the case study. Case studies might contain exhibits and other resources that provide more information about the scenario that is described in the case study. Each question is independent of the other questions in this case study. At the end of this case study, a review screen will appear. This screen allows you to review your answers and to make changes before you move to the next section of the exam. After you begin a new section, you cannot return to this section.

To start the case study -

To display the first question in this case study, click the Next button. Use the buttons in the left pane to explore the content of the case study before you answer the questions. Clicking these buttons displays information such as business requirements, existing environment, and problem statements. When you are ready to answer a question, click the Question button to return to the question.

Background -

Munson's Pickles and Preserves Farm produces and sells jarred food goods. The organization has several production and warehouse locations across the United States. Each location runs both production and warehousing operations. The company has three locations: East, Central, and West.

The company is upgrading its Dynamics AX 2009 system to Dynamics 365 Finance.

Current environment. General -

Munson's Pickles and Preserves Farm plans to migrate customizations, data, and integration from its legacy system into Dynamics 365 finance and operations apps.

The Dynamics 365 finance and operations environment includes:

multiple cloud-hosted development environments using Microsoft Visual Studio 2017

a Microsoft Azure DevOps project for source control

two tier 2 environments for user acceptance testing and staging, as well as production

Munson's Pickles and Preserves Farm is currently in the planning and development phase of the upgrade process.

The company's internal development team needs additional development resources to address issues. The company already created a project that is set up to use a custom model named GPExtensions.

Current environment. Integrations

Munson's Pickles and Preserves Farm has a new integration for its freight processing information. The internal development team created the secure file transfer protocol (SFTP) site for the source information to be stored and the staging table to house the source information once the data is added to Dynamics 365 Finance. Information from the source will be transferred once a day from the source system and integrated with the target system. More than 10,000 records will be transferred over the integration. The company created an aggregate entity for the integration to minimize the amount of transmitted data.

Munson's Pickles and Preserves Farm has added a new integration for freight processing where all item weights, dimensions, and other factors will be configured in the external portal while planning the loads. Once the load is planned, it will be integrated into Dynamics 365 finance and operations apps for the freight invoice processing to occur.

No duplicate invoices or posting are associated with the freight invoice charges. The integration of this information from the source system is intended only for report creation and compilation purposes.

Current environment. Planned changes

Munson's Pickles and Preserves Farm wants to change inventory forms to fit its current needs. Any modifications or enhancements must follow the existing functionality for forms in Dynamics 365 Finance.

Requirements. Integrations -

All data from integrations have the same format as an existing Dynamics 365 Finance apps field. All enhancements or customizations must use existing assets before creating new functionality.

Munson's Pickles and Preserves Farm wants to change its integration strategy to include real-time data from the freight processing source system. The inventory must update as it is sold from the system. That information will be updated in Dynamics 365 Finance.

The freight processing integration requires the use of an SFTP site to store XML files from the source system. The additional integration will use OData and must be transferred in real time.

A periodic batch job must:

Pull data from the SFTP site.

Import the data to a staging table used to hold the information from the source system.

Map source data to the target table in Dynamics 365 Finance.

The imported Load ID field must be added to the Sales Order header for all processed orders. Additional requirements for integrations, including other integration strategies, may be necessary as the company grows.

Existing tables must be changed to include the Load ID. The database will need to be synched before adding the Load ID field.

Requirements. Changes -

Munson's Pickles and Preserves Farm must change the Inventory Status form to include more columns. It plans to create a table to enter the data for the

Inventory Status form as a new data source. The company wants to add both the Product Name field and Batch ID field to this new table. The current form includes the item number, location, license plate, product inventory dimensions, and quantity.

The grid on the Inventory Status form must include the product name by using the item number and legal entity. The user interface must be created to include the new columns and the data must be available to add to the grid. The form must have only an Action Pane, a Navigation List, a List Style Grid, a Details Header, and a Details Tab in the design and include the Load ID field.

Munson's Pickles and Preserves Farm is currently in the process of adding the other required fields: one for Product Name and one for Batch ID. The new fields must be related to extended data types for the original fields on the existing data source for the Inventory Status form. Munson's Pickles and Preserves Farm plans to add the EcoResProductName and Batch ID data to the extended table for WHSTmpStatusChange. The fields on the table extension must be populated with data and visible on the Inventory Status form on insert.

Issues -

The internal development team has created the SFTP site connections, the staging table, and the batch jobs for the new integration for freight processing. The development team needs to map the source data to the target table and the data management workspace. The development team notices errors with mapping target fields in the data management workspace. The team needs another developer to configure the table extensions, class extensions, and form extensions that are required for the planned changes.

The internal development team has issues adding the required fields to the Inventory Status standard form. The team needs another developer to configure the table extensions, class extensions, and form extensions that are required for the planned changes. Question DRAG DROP -

You need to add new fields to the standard form and organize the grid to meet the requirements.

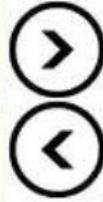
In which order should you perform the actions? To answer, move all actions from the list of actions to the answer area and arrange them in the correct order.

Select and Place:

Actions

Answer area

Create an extension of the form in the project.

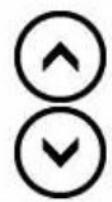
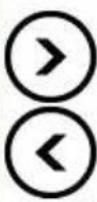


Drag the Product Name and Batch ID fields from the data source to the grid on the form extension.

Right-click the form in the Application Object Tree (AOT).

Find the WHSTmpStatusChangeDetails form in the Application Object Tree (AOT).

Answer:

Actions**Answer area**

Find the WHSTmpStatusChangeDetails form in the Application Object Tree (AOT).

Right-click the form in the Application Object Tree (AOT).

Create an extension of the form in the project.

Drag the Product Name and Batch ID fields from the data source to the grid on the form extension.

Explanation:

Note: Munson's Pickles and Preserves Farm must change the Inventory Status form to include more columns. It plans to create a table to enter the data for the Inventory Status form as a new data source. The company wants to add both the Product Name field and Batch ID field to this new table. The current form includes the item number, location, license plate, product inventory dimensions, and quantity.

Example:

Extend the FMVehicle Table -

1. In Solution Explorer, select the FleetManagement Discounts project.
2. In Visual studio, in Application Explorer, select View > Application Explorer, and search for the table named FMVehicle. Type FMVehicle type:Table in the filter bar and press Enter.
3. Right-click FMVehicle, and then select Create extension.

An extension of the FMVehicle table is created in the FleetManagement Discounts project named FMVehicle.Extension.

Right-click Fields and add a new integer field. Change the name of the field to NumberOfCylinders.

4. In the Properties window, set the Label property of the new field to NumberofCylinders.
5. Drag-and-drop the NumberOfCylinders field into the AutoReport field group to extend the field group of the base table.
6. Save FMVehicle.Extension.

Reference:

<https://docs.microsoft.com/en-us/dynamics365/fin-ops-core/dev-itpro/extensibility/customize-model-elements-extensions>

Question: 267

CertyIQ

HOTSPOT -

You need to create a chain of command method for inserting the data on the table for the new fields. How should you complete the code? To answer, select the appropriate configuration in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

```
[ExtensionOf(TableStr(WHSTmpStatusChange))]
[ExtensionOf(ClassStr(WHSTmpStatusChange))]
```

```
class newWHSTmpStatusChange_Table_Extension
{
final
public

{
    public void insert()
    {
        EcoResProduct ecoResProduct;
        EcoResProductTranslation ecoResProductT;
        InventSum inventSum;
        select firstonly InventBatchId from inventSum
        where inventSum.ItemId == this.ItemId && inventSum.LicensePlateId == this.LicensePlateId
        && inventSum.InventBatchId != "" && inventSum.PhysicalInvent > 0;

        select firstonly Name from ecoResProductT
        where EcoResProductT.LanguageId == CompanyInfo::languageId()
        join EcoResProduct
        where EcoResProduct.RecId == EcoResProductT.Product
        && EcoResProduct.displayproductnumber == this.ItemId;

        this.newEcoResProductName = ecoResProductT.Name;
    }

    next insert();
    next public void insert()
    Insert();
}

this.newInventBatchId = InventSum.InventBatchId;
this.newInventBatchId = InventSum.InventSiteId;
InventSum.InventBatchId = this.newInventBatchId;
```

Answer:

Answer Area

```
[ExtensionOf(tableStr(WHSTmpStatusChange))]
[ExtensionOf(classStr(WHSTmpStatusChange))]

class newWHSTmpStatusChange_Extension
final
public

{
    public void Insert()
    {
        EcoResProduct ecoResProduct;
        EcoResProductTranslation ecoResProductT;
        InventSum inventSum;
        select !isBlank! InventBatchId from InventSum
        where InventSum.ItemId == this.ItemId && InventSum.LicensePlateId == this.LicensePlateId
        && InventSum.InventBatchId != "" && InventSum.PhysicalInvent > 0;

        select !isBlank! Name from ecoResProductT
        where EcoResProductT.LanguageId == CompanyInfo::languageId();
        join EcoResProduct
        where EcoResProduct.RecId == EcoResProductT.Product
        && EcoResProduct.DisplayProductNumber == this.ItemId;

        this.newWHSTmpProductName = ecoResProductT.Name;
    }

    next insert();
    final public void Insert()
    {
        Insert();
        this.newInventBatchId = InventSum.InventBatchId;
        this.newInventBatchId = InventSum.InventBatchId;
        InventSum.InventBatchId = this.newInventBatchId;
    }
}
```

Explanation:

Box 1:[ExtensionOf(tableStr(WHSTmpStatusChange))]

Box 2: final -

The keyword 'final' needs to be used in the class definition line.

Example:

[ExtensionOf(classStr(BusinessLogic1))]

final class BusinessLogic1_Extension

Box 3: next insert();

Wrapper methods must always call next

Wrapper methods in an extension class must always call next, so that the next method in the chain and, finally, the original implementation are always called. This restriction helps guarantee that every method in the chain contributes to the result.

Box 4: InventSum.InventBatchID = thisNewInventBatchID;

Use element.FormToExtendVariable to access form's variables and datasources

Reference:

<https://docs.microsoft.com/en-us/dynamics365/fin-ops-core/dev-itpro/extensibility/method-wrapping-coc>

Question: 268

CertyIQ

HOTSPOT -

You need to implement the reporting requirements for the Vendor exclusion list.

Which options you should use? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Requirement

Implement reporting.

Option

	▼
Power Platform	▼
SQL Server Reporting Services	▼
Financial Reporting	▼

Automatically set the query range based on session context.

	▼
Controller class	▼
ReportDataProvider class	▼
UIBuilder class	▼

Answer:

Answer Area

Requirement

Implement reporting.

Option

	▼
Power Platform	▼
SQL Server Reporting Services	▼
Financial Reporting	▼

Automatically set the query range based on session context.

	▼
Controller class	▼
ReportDataProvider class	▼
UIBuilder class	▼

Explanation:

correct answer is SSRS and Controller class

Automatically set query ranges based on session context using Controller classes

Select report designs at runtime using a shared menu item

Modify report data contract values using business logic

Reference:<https://docs.microsoft.com/en-us/dynamics365/fin-ops-core/dev-itpro/analytics/create-nextgen-reporting-solutions>

Question: 269

DRAG DROP -

You need to create the outstanding invoice report for the CFO.

Which attributes should you use? To answer, drag the appropriate attributes to the requirements. Each attribute answer may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

Select and Place:

Answer Area

Attributes	Requirement	Attribute
SRSReportParameterAttribute	Identify the class that provides parameters for the report.	
SysOperationDisplayOrderAttribute	Enable contract parameters in the report dialog.	
DataMemberAttribute	Indicate the contract name in the data provider class.	
DataContractAttribute		

Answer:

Answer Area

Attributes	Requirement	Attribute
SRSReportParameterAttribute	Identify the class that provides parameters for the report.	DataContractAttribute
SysOperationDisplayOrderAttribute	Enable contract parameters in the report dialog.	DataMemberAttribute
DataMemberAttribute	Indicate the contract name in the data provider class.	SRSReportParameterAttribute
DataContractAttribute		

Explanation:

Scenario: The Chief Financial Officer (CFO) requires the following reports:

- ⇒ A report that shows all outstanding invoices, their cash discount types including the new minimum threshold applicable, and the amount of the discount. The report must only be accessed by users who are members of the Accounts Payable Manager role.

Box 1: DataContractAttribute -

DataContractAttribute " This attribute is applied to an X++ class and specifies that the class can be used as a data contract (that it should be serialized).

Box 2: DataMemberAttribute -

DataMemberAttribute " This attribute is applied to a parm (parameter) method on an X++ data contract class and specifies that the data member should be serialized.

Box 3: SRSReportParameterAttribute

You set the SRSReportParameterAttribute attribute to the data contract you created for the RDP class.

Reference:

<https://docs.microsoft.com/en-us/dynamicsax-2012/appuser-itpro/how-to-use-a-report-data-provider-class-in-a-report>

Thank you

Thank you for being so interested in the premium exam material.

I'm glad to hear that you found it informative and helpful.

If you have any feedback or thoughts on the bumps, I would love to hear them.
Your insights can help me improve our writing and better understand our readers.

Best of Luck

You have worked hard to get to this point, and you are well-prepared for the exam
Keep your head up, stay positive, and go show that exam what you're made of!

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