

DUMPS ARENA

Microsoft Dynamics 365: Finance and Operations Apps Developer

Microsoft MB-500

Version Demo

Total Demo Questions: 15

Total Premium Questions: 213

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Topic Break Down

Topic	No. of Questions
Topic 1, New Update	71
Topic 2, Case Study 1	4
Topic 3, Case Study 2	2
Topic 4, Case Study 3	2
Topic 5, Case Study 4	3
Topic 6, Case Study 5	4
Topic 7, Mixed Questions	127
Total	213

QUESTION NO: 1

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**QUESTION NO: 2**

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 EDT properties 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 an extension for AccountId 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>

QUESTION NO: 3

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: A B

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

QUESTION NO: 4 - (HOTSPOT)

HOTSPOT

You are a Dynamics 365 Finance and Operations 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, 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 = _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

	▼
SID1234	
SID1234-Updated	
SID1234 SID1234-Updated	

salesQty

	▼
5	
10	
15	

ANSWER:

Answer Area

Parameter

Value

tmpFrmVirtual.Id

	▼
SID1234	
SID1234-Updated	
SID1234 SID1234-Updated	

salesQty

	▼
5	
10	
15	

Explanation:

Box 1: SID1234 Parameters

All methods have their own scope. A method can take one or more parameters. Within the scope of the method, these parameters are treated as local variables and are initialized with a value from the parameter in the method call. All parameters are passed by value, which means that you can't change the value of the original variable. You can change only the local variable in the method. This local variable is a copy of the original variable. Box 2: 5

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

QUESTION NO: 5

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

QUESTION NO: 6 - (DRAG DROP)

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

- 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 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/>

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QUESTION NO: 7

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 NO: 8 - (DRAG DROP)

DRAG DROP

You are a Dynamics 365 Finance developer.

You need to troubleshoot performance issues for a client.

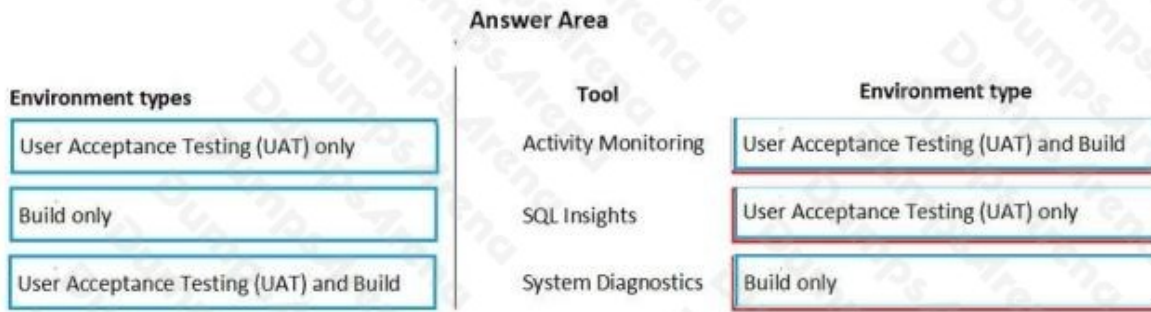
Which Lifecycle Services (LCS) tools should you use for each environment? To answer, drag the appropriate environment types to the correct tools. Each environment type may be used once, more than once, or not at all. You may need to drag the split bar between panes scroll to view content.

NOTE: Each correct selection is worth one point.

Select and Place:

Environment types	Tool	Environment type
User Acceptance Testing (UAT) only	Activity Monitoring	
Build only	SQL Insights	
User Acceptance Testing (UAT) and Build	System Diagnostics	

ANSWER:



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: Build only

Reference: <http://axhelper.com/?p=16527>

QUESTION NO: 9

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: B C

Explanation:

All new and extended objects must be located in an existing model named FinanceExt. The creation of new models is not permitted.

QUESTION NO: 10

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:

Reference:

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

QUESTION NO: 11

You are developing a customization for Dynamics 365 Finance.

The customization must extend objects from the Application Foundation package.

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

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

NOTE: Each correct selection is worth one point.

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

ANSWER: A B

Explanation:

Reference:

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

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

QUESTION NO: 12

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.

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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

QUESTION NO: 13

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: A C

Explanation:

A: QuickFilter: A framework-provided filtering mechanism that can appear above any list or grid, and that provides fast single-column filtering.

C: Grid column filtering: The user can define filter conditions and perform single-column sorting by using a drop dialog that is opened from the grid column header.

Scenario: 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:

- Allow users to specify vendors to include in the job.
- Accept the following parameters: Vendor, DueDate.
- Be callable by an Action menu item.
- Use SysOperation Framework for all batch jobs.

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

QUESTION NO: 14 - (HOTSPOT)

HOTSPOT

You are the 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-coc>

QUESTION NO: 15

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: A D

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: <https://www.oreilly.com/library/view/extending-microsoft-dynamics/9781786467133/40a348f3-0f4c-4d47-a566-59f3a2e6afa0.xhtml> <https://docs.microsoft.com/en-us/dynamics365/fin-ops-core/dev-itpro/extensibility/customization-overlayering-extensions#security-role-and-duty-extensions>