MB-500 Q&As

Microsoft Dynamics 365 Finance and Operations Apps Developer

Pass Microsoft MB-500 Exam with 100% Guarantee

Free Download Real Questions & Answers **PDF** and **VCE** file from:

https://www.certbus.com/mb-500.html

100% Passing Guarantee
100% Money Back Assurance

Following Questions and Answers are all new published by Microsoft Official Exam Center

- **Instant Download** After Purchase
- **100% Money Back** Guarantee
- **365 Days** Free Update
- **800,000+** Satisfied Customers

QUESTION 1

HOTSPOT

You have a Dynamics 365 Finance and Operations 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.	○	○
You can modify the calculatePrice() method in the extension class by adding conditional logic at line 20.	○	○
The static method getDiscount() in Line 10 of the base class can be wrapped and extended by adding business logic to the extension class.	○	○
The extension class can be instantiated by running the following code: `SalesPriceDiscountMy_Extension myInstance = new SalesPriceDiscountMy_Extension();`	○	○

Correct 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.	○	○
You can modify the calculatePrice() method in the extension class by adding conditional logic at line 20.	○	○
The static method getDiscount() in Line 10 of the base class can be wrapped and extended by adding business logic to the extension class.	○	○
The extension class can be instantiated by running the following code: `SalesPriceDiscountMy_Extension myInstance = new SalesPriceDiscountMy_Extension();`	○	○

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 2

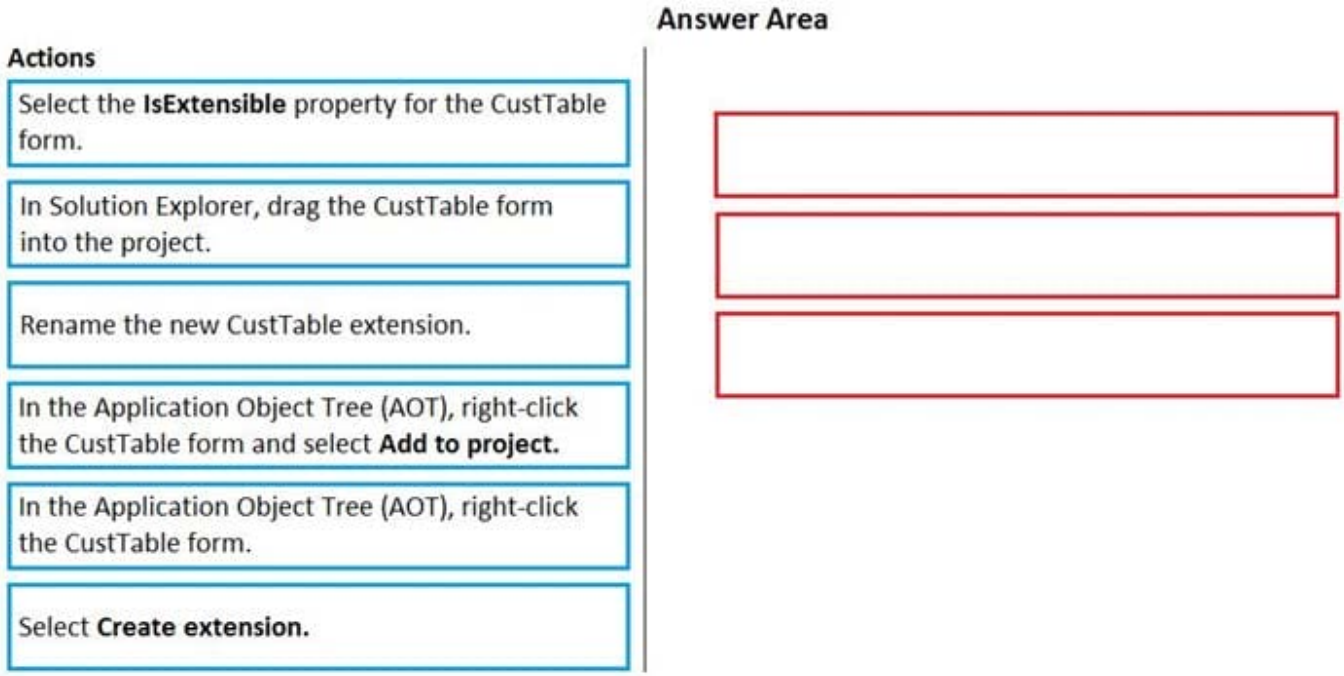
DRAG DROP

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

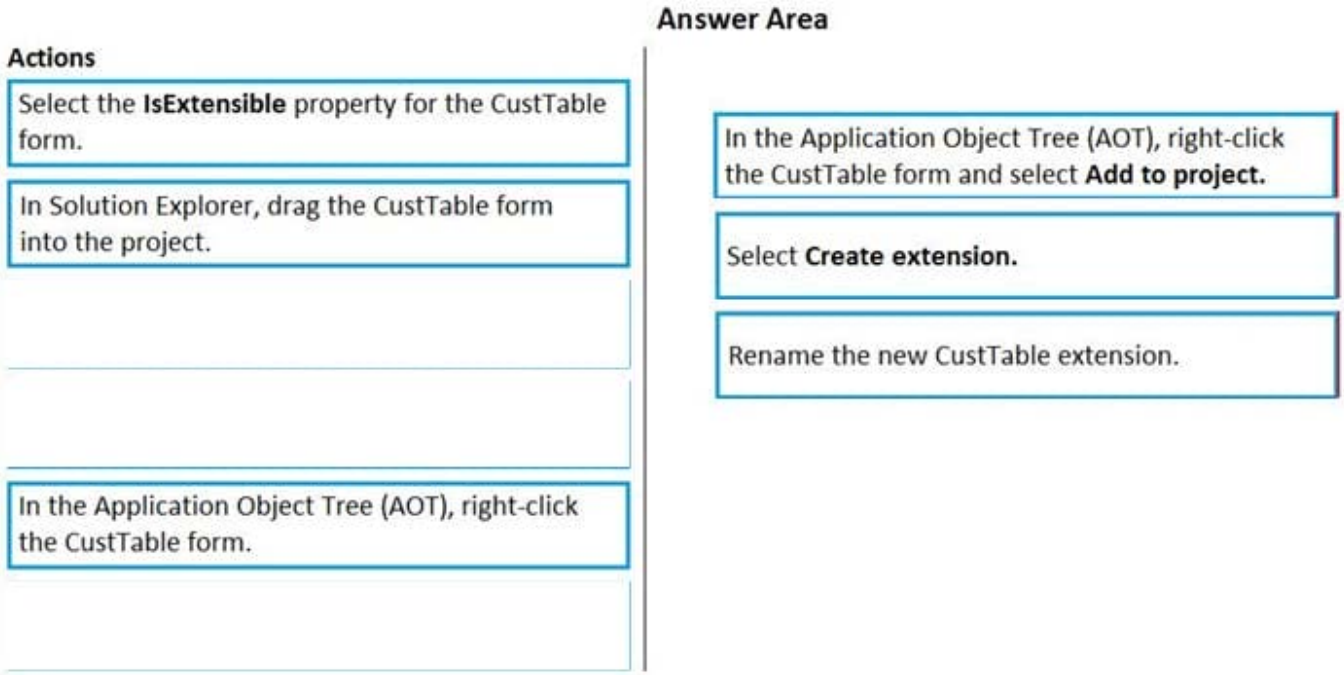
You need to create an extension for the CustTable form and add the extension to the Visual Studio project.

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:



Correct Answer:



Reference: https://docs.microsoft.com/en-us/dynamics365/business-central/dev-itpro/developer/devenv-extension-example

QUESTION 3

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

Correct Answer: B

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

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 4

You are a Dynamics 365 Finance developer.

You have a table named FMVehicle that contains a field named VehicleId. The table has a clustered 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?

C.
```
[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;
  }
}
```

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;
  }
}
```

A. Option A

B. Option B

C. Option C

D. Option D

Correct Answer: C

All select statements use a table variable to fetch records. The results of a select statement are returned in a table buffer variable, here vehicle.

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

QUESTION 5

HOTSPOT

```
01  public boolean checkVendor(CustAccount _custAccount, ItemId _itemId,
    VendAccount _vendAccount)
02  {
03    boolean ret;
04    CustAccount custAccount;
05    ItemId itemId;
06    VendExclusion vendExclusion;
07    select vendExclusion
08    index hint PrimaryIdx
09    where vendExclusion.CustAccount == _custAccount
        && vendExclusion.ItemId == _itemId
        && vendExclusion.VendAccount == _vendAccount;
10    if (vendExclusion.RecId)
11    {
12      ret = false
13    }
14    return ret;
15  }
```

The system includes the following code: (Line numbers are included for reference only.)

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:

Statement	Yes	No
Add the firstonly keyword to the query and choose a field list in the select statement.	○	○
Review and configure clustered index table properties.	○	○
Review and configure primary index table properties.	○	○
Add a column list that includes the RecId field to the query.	○	○

Correct Answer:

Statement	Yes	No
Add the firstonly keyword to the query and choose a field list in the select statement.	○	●
Review and configure clustered index table properties.	○	●
Review and configure primary index table properties.	●	○
Add a column list that includes the RecId field to the query.	●	○

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: No

The firstOnly keyword helps speed up the fetch by returning only the first row.

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.

Reference:

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

https://community.dynamics.com/ax/b/nevoitechax/posts/what-is-recid-in-microsoft-dynamics-ax-365fo

QUESTION 6

A developer submits code for a quality assurance review. Several lines of code use the var data type.

You need to validate the segments tor 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";

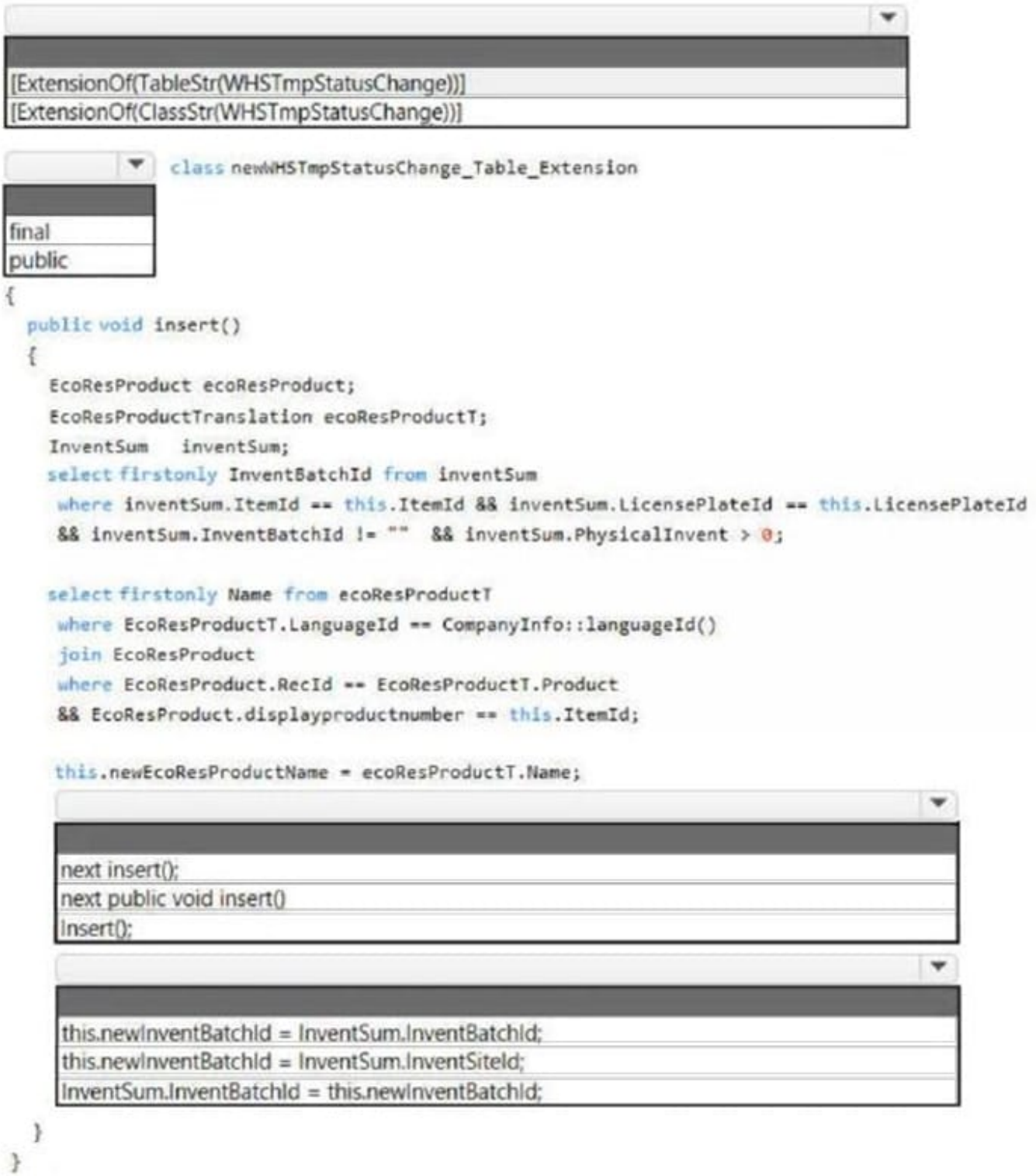
Correct Answer: C

QUESTION 7

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 m the answer area. NOTE: Each correct selection is worth one point.

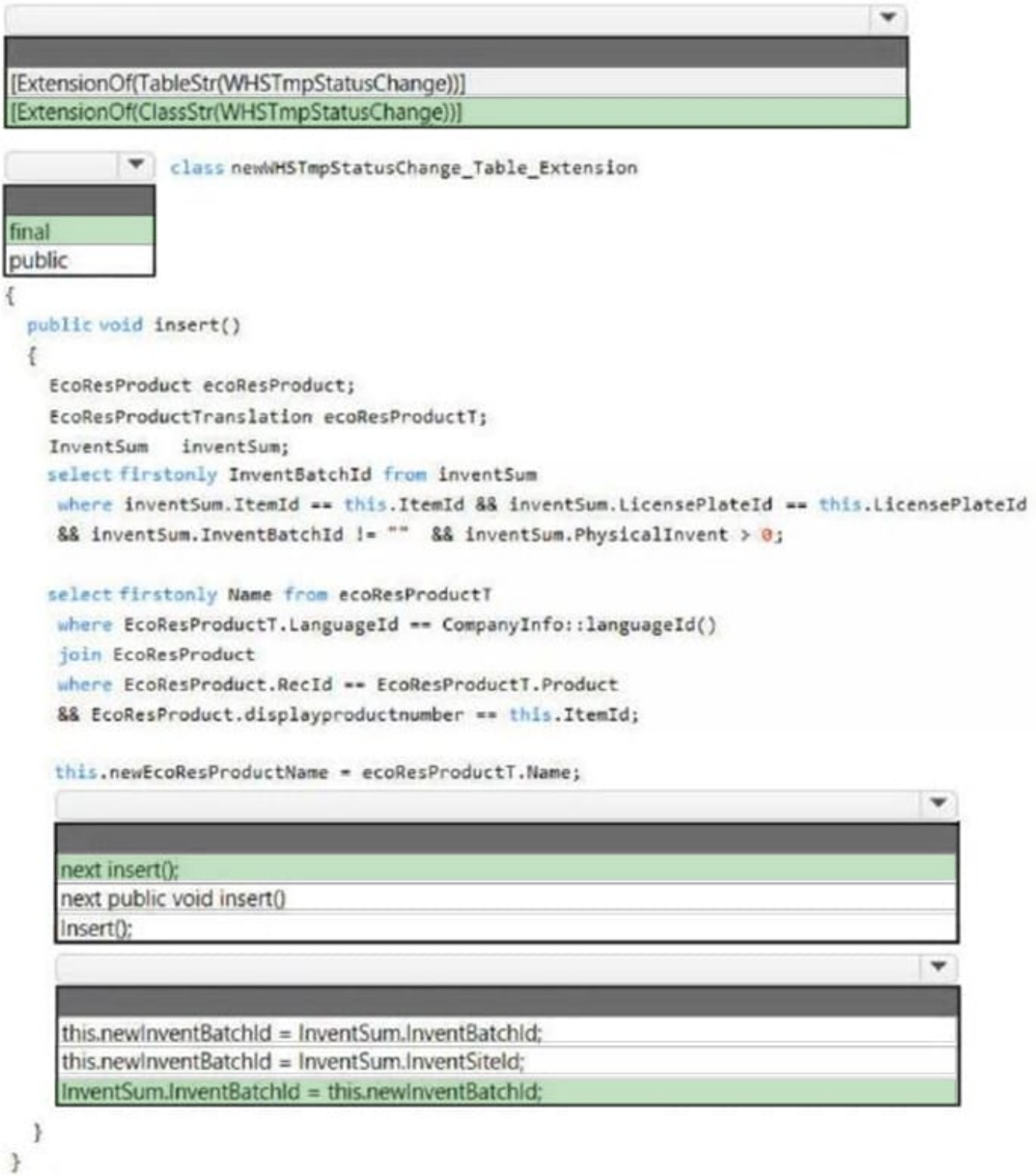
Hot Area:

Answer Area



Correct Answer:

Answer Area



https://learn.microsoft.com/en-us/dynamics365/fin-ops-core/dev-itpro/extensibility/addmethod-table

QUESTION 8

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

1.

Empty

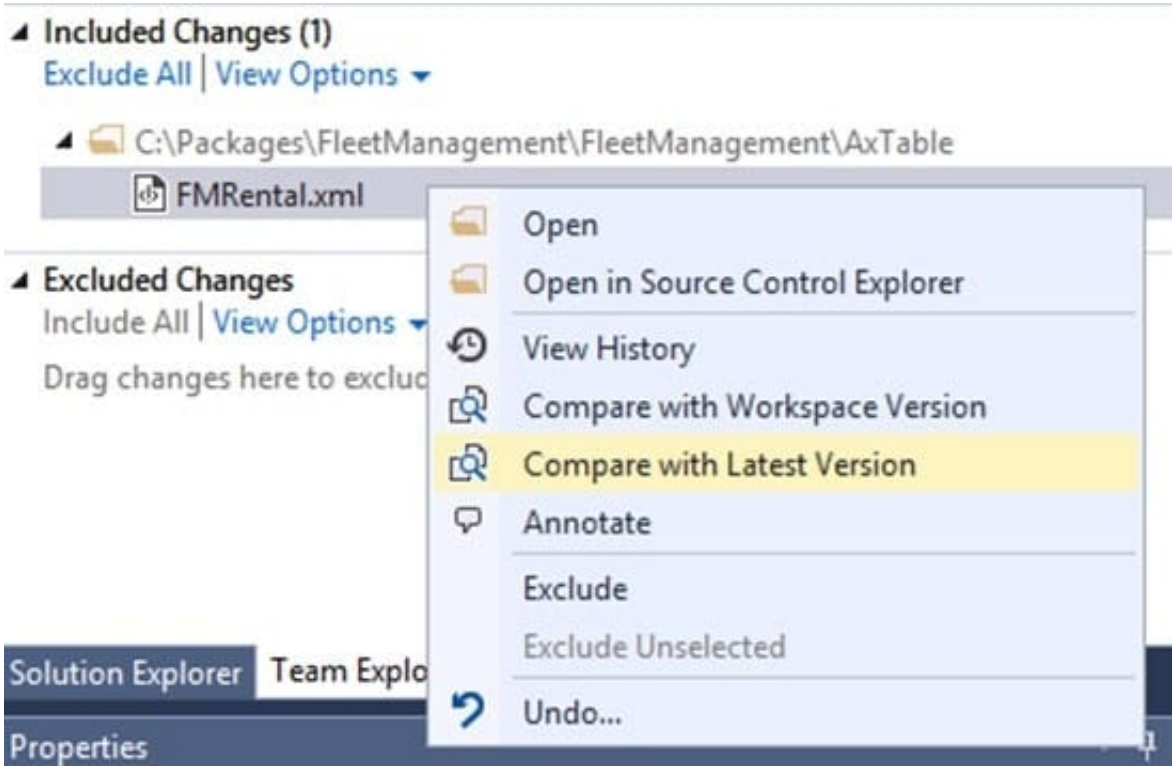
2.

Loaded

3.

Completed

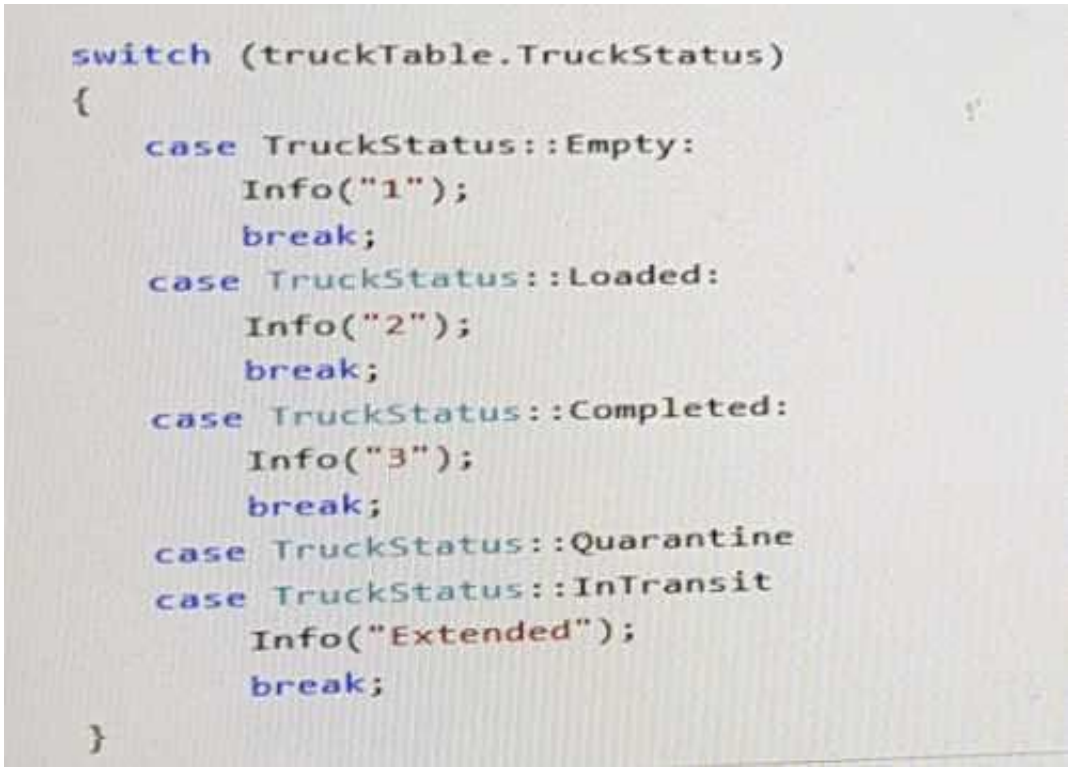
You have the following code:



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.



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

Does the solution meet the goal?

A. Yes

B. No

Correct Answer: A

QUESTION 9

You create a new class.

Class compilation must fail if a specific method in the source code is called.

You need to mark the class with the appropriate attribute.

Which attribute should you use?

A. SysAppSecurityAttribute

B. SysTestCategory

C. SysObsoleteAttribute

D. SysAttribute

Correct Answer: C

Reference: https://docs.microsoft.com/en-us/dynamicsax-2012/developer/overview-of-attribute-classes

QUESTION 10

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.

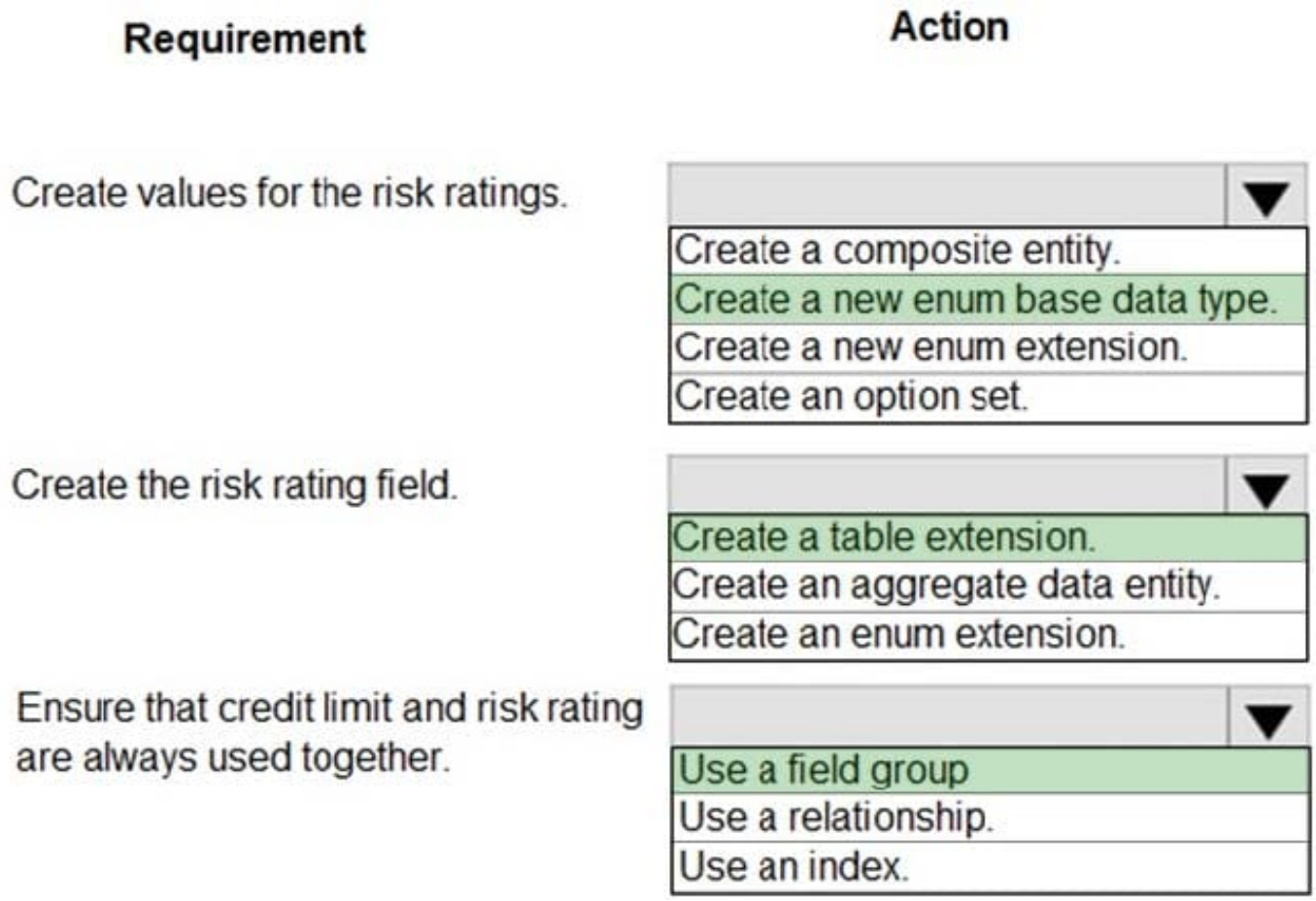
What should you do? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:

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.

Correct Answer:



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 11

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

Correct Answer: A

Reference: https://docs.microsoft.com/en-us/dynamics365/fin-ops-core/dev-itpro/data-entities/entity-change-track

QUESTION 12

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

Correct Answer: A

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

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 13

DRAG DROP

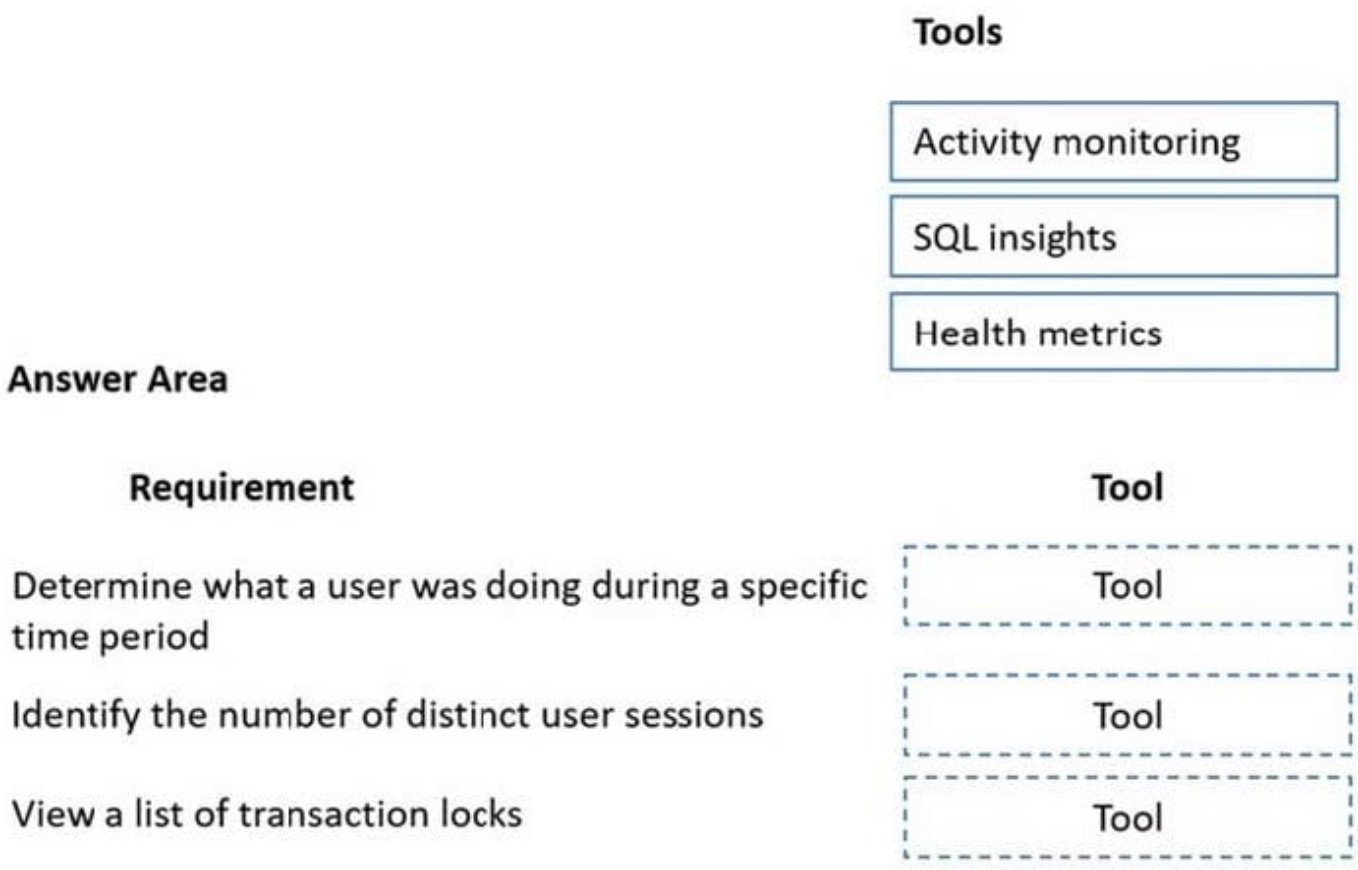
A company uses Dynamics 365 Supply Chain Management.

You need to monitor system performance.

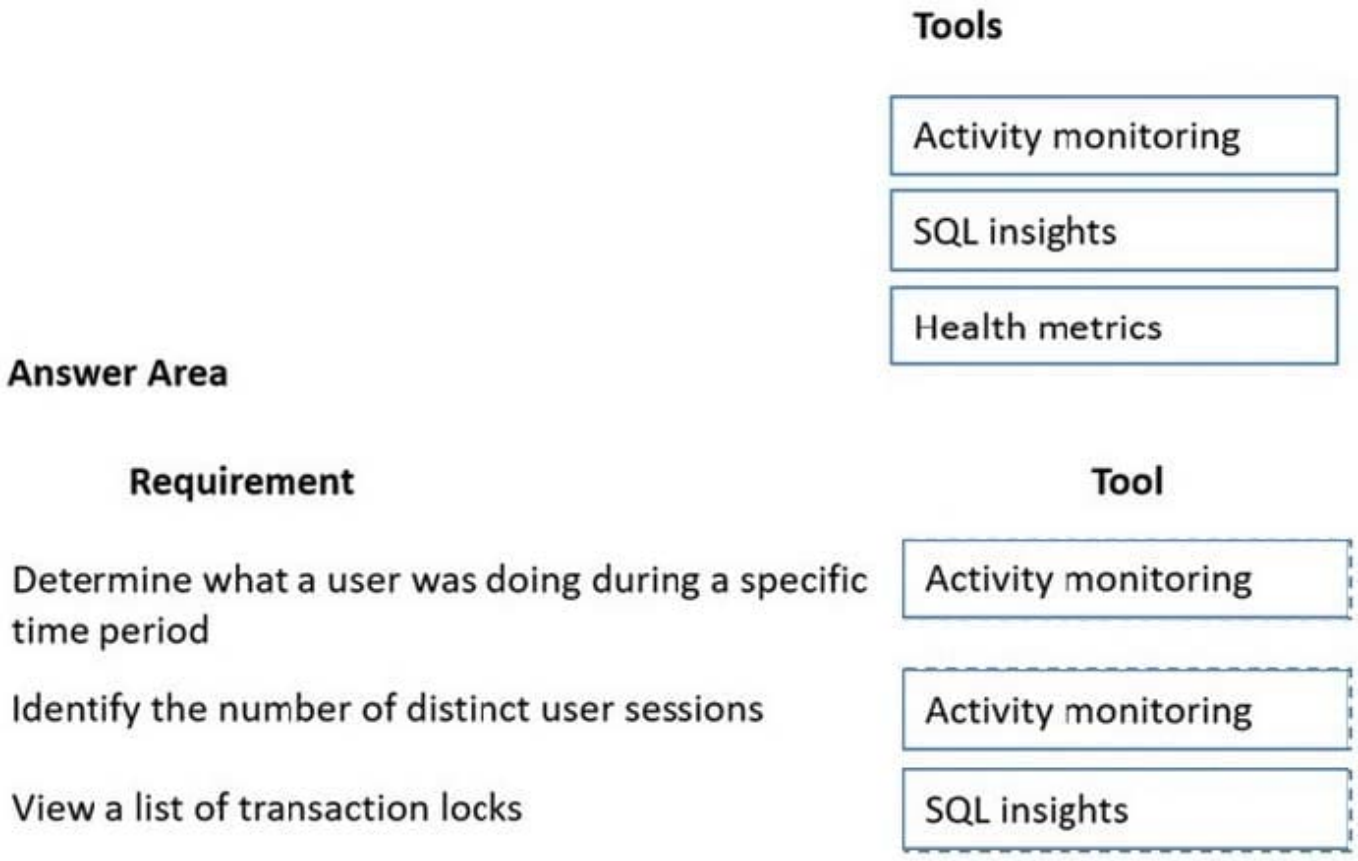
Which tool should you use? To answer, drag the appropriate tools to the correct requirements. Each tool may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

Select and Place:



Correct Answer:



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/performancetroubleshooting

QUESTION 14

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"

Correct Answer: A

The Query class embodies the structure of a query.

Note 1: Query class Objects of this kind are not used to fetch records from the database. Instead, use a QueryRun object that can be assigned a query object. The dynamic behavior of a query is defined by the QueryRun class. The static behavior is defined by the Query class. Queries contain one or more data sources that correspond to tables in the

database. The data sources are specified by using QueryBuildDataSource objects. This class lets you create, read, update, and delete X++ code and metadata.

The following example creates a query object that is used to create a QueryRun object.

X++

{ Query q = new Query (QueryStr(Cust)); // Use the query to build a queryRun object. QueryRun qr = new QueryRun (q); // Traverse some records. while (qr.next()) {

// ... } }

Note 2:

You can create a cross-company query by using X++ code. There are two ways to do this:

crossCompany keyword on the select statement

Query class methods

Reference:

https://learn.microsoft.com/en-us/dynamicsax-2012/developer/cross-company-x-code-basics

https://learn.microsoft.com/en-us/dotnet/api/dynamics.ax.application.query

QUESTION 15

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

Correct Answer: A

Each form must have an associated Display Menu Item.

Each form must be directly accessible via its Display Menu Item.

Reference: https://docs.microsoft.com/en-us/dynamics365/fin-ops-core/dev-itpro/mobile-apps/platform/form-design-requirements

Latest MB-500 Dumps MB-500 PDF Dumps MB-500 Exam Questions