



MB-500^{Q&As}

Microsoft Dynamics 365 Finance and Operations Apps Developer

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QUESTION 1

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

Correct Answer: BD

Reference: <https://docs.microsoft.com/en-us/dynamics365/fin-ops-core/dev-itpro/office-integration/use-excel-add-in>

<https://docs.microsoft.com/en-us/dynamics365/fin-ops-core/dev-itpro/analytics/power-bi-integration>

QUESTION 2

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.	<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: <pre>SalesPriceDiscountMy_Extension myInstance = new SalesPriceDiscountMy_Extension();</pre>	<input type="radio"/>	<input type="radio"/>

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.	<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"/>

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 3

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	Test attribute
SysTestMethodAttribute	Description	
SysTestInactivateTestAttribute	Unit testing code	
SysTestCheckInTestAttribute	Indicates the class or method is deactivated	
SysTestTargetAttribute		

Correct Answer:

Test attributes	Answer Area	Test attribute
	Description	
	Unit testing code	SysTestMethodAttribute
SysTestCheckInTestAttribute	Indicates the class or method is deactivated	SysTestInactivateTestAttribute
SysTestTargetAttribute		

QUESTION 4

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:

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

Does the solution meet the goal?

A. Yes

B. No

Correct Answer: B

QUESTION 5

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

Correct 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



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