

# Microsoft

## Exam Questions MB-500

Microsoft Dynamics 365: Finance and Operations Apps Developer



**NEW QUESTION 1**

- (Exam Topic 1)

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.

**Answer Area**

Account	Action
Accounts Payable	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	Create a new privilege and add the privilege to a new duty. Add the new duty to the role. Create a new duty and add the existing privilege and add duty to the role. Run the security tool and validate access for the role.

- A. Mastered
- B. Not Mastered

**Answer: A**

**Explanation:**

**Answer Area**

Account	Action
Accounts Payable	Duplicate the role and modify the existing privilege entry point access. <span style="border: 1px solid red;">Create a new duty and privilege and add both to the role.</span> Run the security tool and validate access for the role.
Accounts Payable	Create a new privilege and add the privilege to a new duty. Add the new duty to the role. Create a new duty and add the existing privilege and add duty to the role. <span style="border: 1px solid red;">Run the security tool and validate access for the role.</span>

**NEW QUESTION 2**

- (Exam Topic 1)

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 What should you do?

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

**Answer: B**

**NEW QUESTION 3**

- (Exam Topic 3)

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, 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     }

```

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.

**Answer Area**

**Parameter**

**Value**

tmpFrmVirtual.Id  
 salesQty

SID1234 SID1234-Updated SID1234 SID1234-Updated
5 10 15

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

**Answer Area**

**Parameter**

**Value**

tmpFrmVirtual.Id  
 salesQty

SID1234 SID1234-Updated SID1234 SID1234-Updated
5 10 15

**NEW QUESTION 4**

- (Exam Topic 3)

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. Add the KPI to an existing form.
- B. Create a tile and add the KPI to the tile.
- C. Create a new workspace and add the KPI to the workspace.

**Answer: C**

**NEW QUESTION 5**

- (Exam Topic 3)

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

**Answer: ACE**

**NEW QUESTION 6**

- (Exam Topic 3)

A company uses Dynamics 365 Finance.

You need to implement role-based security for a set of fields in a table.

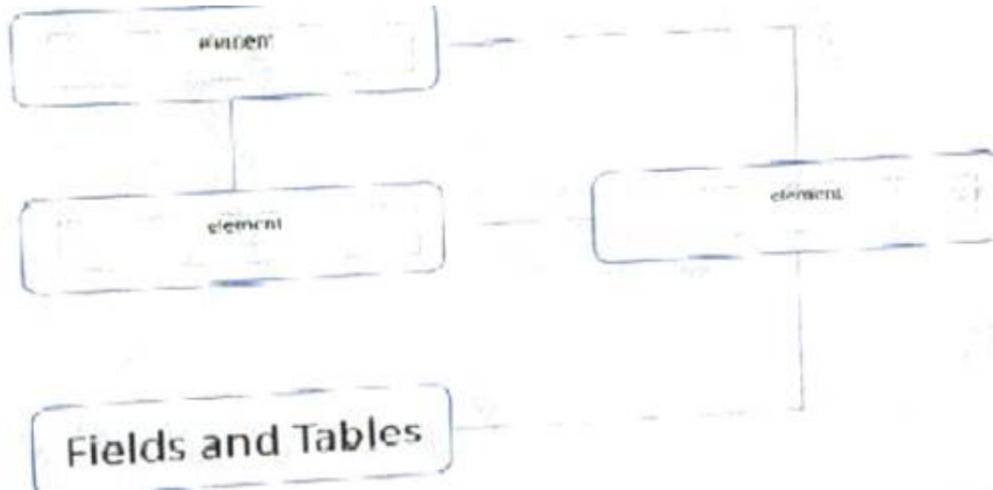
How should you arrange the security elements? To answer, drag the appropriate security elements to the

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.

**Elements**

Role
Privilege
Duty
Permission



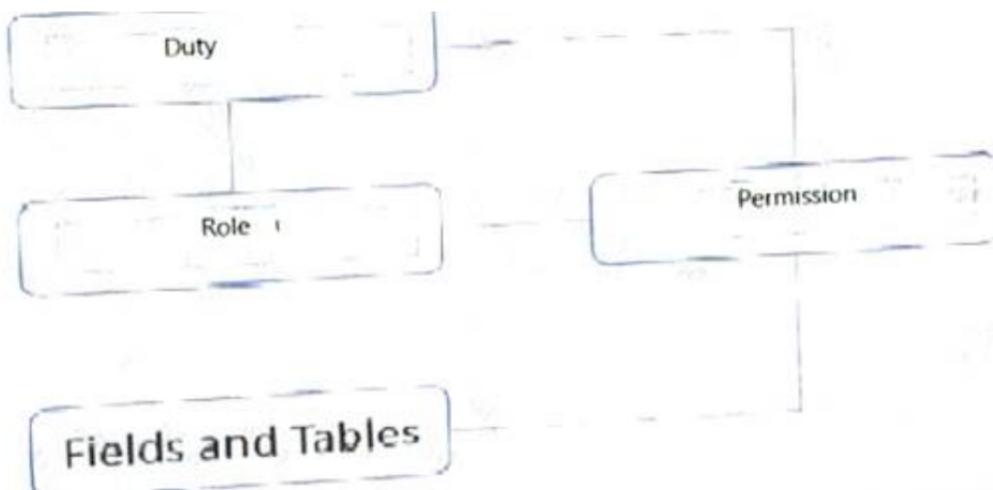
- A. Mastered
- B. Not Mastered

**Answer: A**

**Explanation:**

**Elements**

Role
Privilege
Duty
Permission



**NEW QUESTION 7**

- (Exam Topic 3)

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? Does the solution meet the goal?

- A. Yes.
- B. No

Answer: A

#### NEW QUESTION 8

- (Exam Topic 3)

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. One record cannot be selected for update by two different processes at the same time.
- B. Records are locked as soon as they are retrieved from the database.
- C. Records are locked for a shorter length of time.
- D. Fewer resources are used to lock records during updates.
- E. Records remain available for other processes while they are selected from the database.

Answer: BCD

#### NEW QUESTION 9

- (Exam Topic 3)

You need to prepare to deploy a software deployable package 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, create a Dynamics 365 deployment package and upload the package to the as
- 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.
- D. In Visual Studio, export the project and upload the project to the asset library.

Answer: BD

#### NEW QUESTION 10

- (Exam Topic 3)

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.

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

- A. Mastered
- B. Not Mastered

**Answer: A**

**Explanation:**

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

**NEW QUESTION 10**

- (Exam Topic 3)

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: B**

**NEW QUESTION 11**

- (Exam Topic 3)

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

**Answer: BCE**

**NEW QUESTION 14**

- (Exam Topic 3)

You are creating entities that will have unmapped fields. You need determine which type of unmapped field to use.

Which field types should you use? To answer, drag the appropriate field types to the correct requirements. Each field 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.

**Answer Area**

Requirement	Field type
Create a read-only field that fetches data directly from a view.	computed virtual
Create a field that is computed by SQL Server.	computed virtual
Create a field that is calculated row by row during read and write operations by using X++ code.	computed virtual
Create a non-persisted field.	computed virtual

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:  
**Answer Area**

Requirement	Field type
Create a read-only field that fetches data directly from a view.	computed virtual
Create a field that is computed by SQL Server.	computed virtual
Create a field that is calculated row by row during read and write operations by using X++ code.	computed virtual
Create a non-persisted field.	computed virtual

**NEW QUESTION 16**

- (Exam Topic 3)

You have the following class definition:

```
class UnitConv
{
    public static real PoundsToKilograms(real _pounds)
    {
        return _pounds * 0.45359237;
    }
    public static real FahrenheitToCelsius(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.

Answer Area

Extension class definition:

```
[ExtensionOf(classStr(UnitConv))]  
final class CustUnitConv_Extension  
final class UnitConv_MyExtension  
static class UnitConvMy_Extension  
class UnitConv_Extension  
{  
    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);
```

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

Extension class definition:

```
[ExtensionOf(classStr(UnitConv))]  
final class CustUnitConv_Extension  
final class UnitConv_MyExtension  
static class UnitConvMy_Extension  
class UnitConv_Extension  
{  
    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);
```

NEW QUESTION 19

- (Exam Topic 3)

You have a Dynamic 365 Finance environment.

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

```

01 class SalesPriceDiscount
02 {
03     ...
04     public void calculatePrice
05     {
06         ...
07     }
08     public static Amount cur getDiscount(Percent markup)
09     {
10         ...
11     }
12 }
13 [ExtensionOf(class Str(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 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"/>

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

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 type="radio"/>	<input checked="" type="radio"/>
The extension class can be instantiated by running the following code:	<input checked="" type="radio"/>	<input type="radio"/>

```
SalesPriceDiscountMy_Extension myInstance = new
SalesPriceDiscountMy_Extension();
```

**NEW QUESTION 24**

- (Exam Topic 3)

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

**NEW QUESTION 29**

- (Exam Topic 3)

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

Answer: A

**NEW QUESTION 30**

- (Exam Topic 3)

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");

```

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.

**Answer Area**

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

- A. Mastered
- B. Not Mastered

**Answer: A**

**Explanation:**

**Answer Area**

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

**NEW QUESTION 33**

- (Exam Topic 3)

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

**Answer:** DE

**NEW QUESTION 36**

- (Exam Topic 3)

You are a Dynamics 365 Finance developer.

Users are experiencing slower load times for the All Customers form. You need to update caching for CustTable to improve data retrieval times. How should you configure CacheLookup properties? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

**Answer Area**

Property	Value
Set-based caching	<div style="border: 1px solid black; padding: 5px;">                     Entire table                      None                      Found                      FoundandEmpty                 </div>
Single-record caching	<div style="border: 1px solid black; padding: 5px;">                     Found                      Entire table                      None                      SurrogateKey                 </div>

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

Answer Area

Property	Value
Set-based caching	Entire table None Found FoundandEmpty
Single-record caching	Found Entire table None SurrogateKey

NEW QUESTION 38

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