



Microsoft

MB6-894 Exam

**Development, Extensions and Deployment for Microsoft
Dynamics 365 for Finance and Operation Exam**

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Version: 11.1

Question: 1

You create a new class named NewClass1 in a model. NewClass1 manipulates the CustTable table in the protected method modifyCustTable.

NewClass1 has the following code:

```
class NewClass1
{
public static MainClass1 construct()
{
return new MainClass1();
}
protected void modifyCustTable()
{
...
}
}
```

In the same model as NewClass1, you create a new class named NewClass2. You want to run the code in

the modifyCustTable method from the callModifyCustTable method in NewClass2.

What is a correct example of calling the modifyCustTable method from NewClass2?

A. {
public static NewClass2 construct()
{
return new NewClass2();
}
public void callModifyCustTable()
{
NewClass1 newClass1 = NewClass1::construct();
newClass1.modifyCustTable();
}
}

B. class NewClass2
{
public static NewClass2 construct()
{
return new NewClass2();
}
public void classModifyCustTable()
{
newClass1.modifyCustTable();
}
}

C. class NewClass2 extends NewClass1

```
{  
public static NewClass2 contrsuct()  
{  
return new NewClass2();  
}  
public void callModifyCustTable()  
{  
this construct().modifyCustTable();  
}  
}
```

D. class NewClass2 extends NewClass1

```
{  
public static NewClass2 construct()  
{  
return new NewClass2();  
}  
public void callModifyCustTable()  
{  
this.modifyCustTable();  
}  
}
```

Answer: D

Section: Read and Write Basic X++ (20-25%)

Question: 2

You are writing a method to update the Customer reference field on a Sales order table record. You begin

by writing the following code:

```
class ExampleClass
```

```
{
```

```
/// <summary>
```

```
/// Update the Customer reference field on the Sales orders table.
```

```
/// </summary>
```

```
/// <param name = "_salesId">
```

```
/// Sales order to update
```

```
/// </param>
```

```
/// <param name = "_customerRef">
```

```
/// Updated Customer reference value
```

```
/// </param>
```

```
public static void updateSalesTableCustomerReference(SalesId _salesId,
```

```
CustRef _customerRef)
```

```
{
```

```
SalesTable salesTable;
```

```
}
```

```
}

```

Which statement will complete the method?

- A. salesTable = SalesTable::find(_salesId);
salesTable.CustomerRef = _customerRef;
salesTable.update();
- B. update_recordset salesTable
setting CustomerRef=_customerRef
where salesTable.salesid==_salesId;
- C. salesTable = SalesTable::find(_salesId, true);
salesTable.CustomerRef = _customerRef;
salesTable.update();
- D. update_recordset salesTable
setting SalesId = _salesId
where salesTable.CustomerRef == _customerRef;

Answer: C

Section: Read and Write Basic X++ (20-25%)

Question: 3

A junior programmer asks you to review an order of operator precedence so that a math operation evaluates appropriately.

Which list is ordered correctly?

- A. unary, multiplicative, additive, logical, relational
- B. shift, relational, additive, unary, logical
- C. unary, multiplicative, additive, relational, logical
- D. equality, multiplicative, additive, relational, unary

Answer: C

Section: Read and Write Basic X++ (20-25%)

Explanation/Reference:

Operators, in order of precedence

Unary

Multiplicative, shift, bitwise AND, bitwise exclusive OR

Additive, bitwise inclusive OR

Relational, equality

as is

Logical (AND, OR)

Conditional

Syntax

- ~ !

* / % DIV << >> & ^

+ -

< <= == != > >= like

&&

? :

Question: 4

You are an Independent Software Vendor (ISV) developer, and you are reviewing the code in a solution.

During the code review, you see the following:

```
using (var sr = new System.IO.StreamReader(_inputFilename))
{
    var textFromFile = sr.ReadToEnd();
    this.processFileDate(textFromFile);
}
```

Which two statements about the `sr` and `textFromFile` variables are true? Each correct answer presents a complete solution.

- A. The variables storing .Net Framework objects have to be declared using the `var` keyword.
- B. The `var` keyword indicates the variables can store values of any type.
- C. The variables are valid within the block of code in which they were declared.
- D. The `var` keyword infers the type of the variables from their initialization expression.

Answer: CD

Section: Read and Write Basic X++ (20-25%)

Question: 5

You are writing an X++ method.

You need to perform the same logic for multiple records in the database.

How should you iterate over multiple records in X++?

- A. Declare a table buffer variable, and then write a "while select" statement to iterate through each record.
- B. Declare a shared variable for the table, and use the `next()` method to read each record.
- C. Declare a `RecordSortedList` variable for the table, and use the `next()` method to read each record.
- D. Declare an enumerator for the table, and call the `moveNext()` method to read each record.

Answer: A

Section: Read and Write Basic X++ (20-25%)

Explanation

Explanation/Reference:

Question: 6

You have previously written a `PurchOrderActivation` class with the following logic:

```
class PurchOrderActivation
{
    private static PurchOrderActivation construct()
    {
        return new PurchOrderActivation();
    }
    ...
}
```

You need to instantiate `PurchOrderActivation` from a new class named `PurchOrderActivationExtended`, which extends `PurchOrderActivation`. What are two possible ways to instantiate the `PurchOrderActivation` class in the `initialize` method of the `PurchOrderActivationExtended` class? Each correct answer presents a complete solution.

A. class `PurchOrderActivationExtended` extends `PurchOrderActivation`

```
{  
    public void initialize()  
    {  
        PurchOrderActivation purchOrderActivation =  
        PurchOrderActivation::construct();  
    }  
}
```

B. class `PurchOrderActivationExtended` extends `PurchOrderActivation`

```
{  
    public void initialize()  
    {  
        var purchOrderActivation = new PurchOrderActivation();  
    }  
}
```

C. class `PurchOrderActivationExtended` extends `PurchOrderActivation`

```
{  
    public void initialize()  
    {  
        var purchOrderActivation = PurchOrderActivation::construct();  
    }  
}
```

D. class `PurchOrderActivationExtended` extends `PurchOrderActivation`

```
{  
    public void initialize()  
    {  
        PurchOrderActivation purchOrderActivation = new PurchOrderActivation  
        ();  
    }  
}
```

Answer: BD

Section: Read and Write Basic X++ (20-25%)

The `construct` method is private, so you can not call it from another class.

Question: 7

You are a developer working on a new customized form and are troubleshooting a defect on the form.

The form displays a summary for each line. The defect report says that the form shows the incorrect summary for return order lines.

A display method provides the summary, and the method calls the following:

```
public str salesLineSummary(  
    SalesType _type,  
    str _orderNum,  
    ItemId _itemId,  
    Qty _lineQty,  
    Amount _lineAmount  
)  
{  
    Amount baseAmount = _lineAmount > 0 ? _lineAmount : -1 * _lineAmount;  
    str formattedAmount = num2Str(baseAmount, 10, 2, DecimalSeparator::Dot,  
    ThousandSeparator::Comma);  
    str summary;  
    switch (_type)  
    {  
    case SalesType::Sales:  
        summary = strFmt('Order %1 ordered %2 of %3 [Subtotal: %4]',  
            _orderNum, _lineQty, _itemId, formattedAmount);  
        break;  
    case SalesType::ReturnItem:  
        summary = strFmt('RMA %1 expecting %2 of %3 for %4 credit',  
            _orderNum, _lineQty, _itemId, formattedAmount);  
    default:  
        summary = strFmt('Journal %1: %2 of %3', _orderNum, _lineQty,  
            _itemId);  
    }  
    return summary;  
}
```

You need to fix the defect in the most efficient way possible.
Which modification should you make?

- A. Remove the default block of code from the switch statement.
- B. Add an If statement to the default block of code in the switch statement.
- C. Exchange the SalesType::Sales with the SalesType::ReturnItem blocks of code in the switch statement.
- D. Add a break statement before the default block of code in the switch statement.

Answer: D

Section: Read and Write Basic X++ (20-25%)

Explanation

Explanation/Reference:

Question: 8

You are planning to use X++ to develop a solution that will update multiple records.

You need to ensure that if the solution attempts to modify records that are currently being edited by a user, the operation will be retried.

Which type of exception should you handle?

- A. UpdateConflict
- B. CodeAccessSecurity
- C. UpdateConflictNotRecovered
- D. Deadlock

Answer: A

Section: Read and Write Basic X++ (20-25%)

Explanation

Explanation/Reference:

UpdateConflict: Indicates that an error has occurred in a transaction that is using Optimistic Concurrency

Control. The transaction can be retried (use a retry statement in the catch block).

Question: 9

You are developing a solution to insert and update records in a table named Table1, and you need to ensure that you handle the possible exceptions. Table1 does not have any unique indexes that include the ID or the Description fields.

The table has the following structure:

```
# ID (Int) Description (String 60)
01 1 Record 1
02 2 Record 2
03 3 Record 3
04 4 Record 4
```

Additionally, you have the following X++ code:

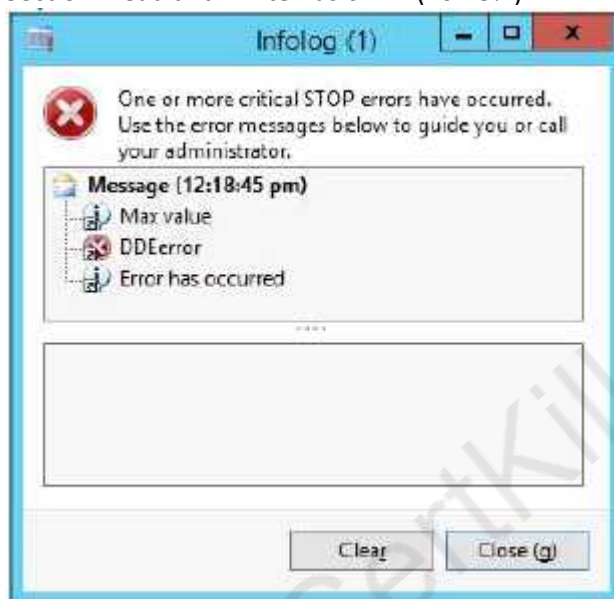
```
Int counter = 3, maxValue = 4;
Table1 table1;
try
{
    for(counter = 3; counter < 6; counter++)
    {
        table1.clear();
        table1.ID = counter;
        table1.Description = strfmt("Record %1", counter);
        table1.insert();
        If(counter == maxValue)
        {
            Info("Max value");
            throw error ("DDError");
            break;
        }
    }
}
catch(Exception::Error)
{
    Info("Error has occurred");
}
catch(Exception::DDError)
{
    Info("Data error");
}
catch(Exception::Break)
{
    Info("Break");
}
```


What is the output of the X++ code?

- A. Max value
DDEError
Data error
- B. Break
C. Data error_RC
D. Max value
DDEError
Error has occurred

Answer: D

Section: Read and Write Basic X++ (20-25%)



Question: 10

You are reviewing the basic set of primitive data types in Microsoft Dynamics 365 for Finance and Operations with a client.

The client wants to know the best data type to use for a set of literals, such as states of nature or key reporting structures.

Which type should you tell the client?

- A. Strings
- B. Anytype
- C. Containers
- D. Enumerations

Answer: D

Section: Develop new elements by using Application Explorer (20-25%)

Explanation

Explanation/Reference:

Enums: An abbreviation for enumerated text - a set of literals.

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