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MB6-869 PRACTICE EXAM

Microsoft Dynamics AX 2012 Development Introduction

Question: 1

Which of the following tools can you use to develop business logic in Microsoft Dynamics AX 2012? (Choose all that apply.)

- A. IntelliMorph
- B. the MorphX IDE
- C. Microsoft SQL Server
- D. Microsoft Visual Studio 2012

Answer: D, B

Question: 2

You are developing a form and a report for a Microsoft Dynamics AX 2012 feature. Which of the following tasks can IntelliMorph automatically perform for you? (Choose all that apply.)

- A. Create a new label file.
- B. Suggest method names in the X++ Editor.
- C. Generate the layout of forms, reports, and menus.
- D. Change the look of forms and reports if the security and configuration allow changes.
- E. Add fields that have been added to a table field group to a field group on forms and reports.

Answer: E, D, C

Question: 3

In Microsoft Dynamics AX 2012, what does the AX model store contain?

- A. data only
- B. data and metadata
- C. data and application code
- D. metadata and application code

Answer: D

Question: 4

What type of database is the Microsoft Dynamics AX 2012 AXDBDEV database?

- A. OLAP
- B. OLTP
- C. SSAS
- D. SSRS

Answer: B

Question: 5

In Microsoft Dynamics AX 2012, what does a Fact Box display in a List page form?

- A. data related to a single record
- B. data related to multiple records
- C. fixed information not dependent on the database
- D. creation and modification date/time for a single record

Answer: A

Question: 6

Which of the following statements about the model repository in Microsoft Dynamics AX 2012 are true? (Choose all that apply.)

- A. Help files are rendered by the Help Server.
- B. Application Label Data (ALD) files are stored on a file share.
- C. Application Object Data (AOD) files are stored on a file share.
- D. The Model store is stored in the Microsoft SQL Server database.

Answer: D, A

Question: 7

You modify a class in the USR layer of a Microsoft Dynamics AX 2012 project. You plan to import the project into the CUS layer. What will happen during the import process?

- A. The CUS layer modifications will be used.
- B. The CUS layer modifications will be deleted.
- C. The USR layer modifications will be used.
- D. The USR layer modifications will be deleted.

Answer: C

Question: 8

Which of the following statements describes the model concept in Microsoft Dynamics AX 2012?

- A. a visual representation of objects
- B. the output of the reverse-engineering tool
- C. a logical grouping of elements within a layer
- D. the Microsoft Dynamics AX 2012 layer architecture

Answer: C

Question: 9

What information does Microsoft Dynamics AX 2012 provide to Microsoft Visio when you use the Reverse Engineering tool to create a data model or an object model from a project? (Choose all that apply.)

- A. For data models only, information related to the Table Group property and the table index.
- B. For data models only, information related to table methods, table parameters, and classes.
- C. For object models only, information related to the Table Group property and the table index.
- D. For object models only, information related to table methods, table parameters, and classes.
- E. For data models and object models, information related to table methods, table parameters, and classes.
- F. For data models and object models, information related to all extended data types, all base enums, and all X++ data types.

Answer: F, D, A

Question: 10

How are SYS labels represented in Microsoft Dynamics AX 2012?

- A. SYS1234
- B. #SYS1234
- C. @SYS1234
- D. 1234 SYS@

Answer: C

Question: 11

You are working in a Microsoft Dynamics AX 2012 project. You modify the init method of the AccountingDistribution form in the VAR layer, and then modify the close method of the same form in the USR layer. You plan to export the AccountingDistribution form customizations from the Application Object Tree (AOT) into an .xpo file. What will the .xpo file contain if you choose the user application object layer during the export process?

- A. only the init method modifications
- B. only the close method modifications
- C. only the init and close method modifications
- D. the init and close method modifications and the original code of the entire form

Answer: B

Question: 12

In Microsoft Dynamics AX 2012, which of the following statements about the delegate node of a class in the Application Object Tree (AOT) is true?

- A. You can write code in a delegate.
- B. A delegate declaration must return a value.
- C. You can include modifiers such as public, protected, private, or static in a delegate declaration.
- D. You must declare the same type of parameters in a delegate as in the methods that are subscribed to the delegate.

Answer: D

Question: 13

In Microsoft Dynamics AX 2012, what is the purpose of the LegacyId property of a new element created in the Application Object Tree (AOT)?

- A. LegacyId is not used for a new element.
- B. LegacyId holds an installation-specific identifier.
- C. LegacyId is assigned a value later by the system.
- D. LegacyId holds the same value as the ID property.

Answer: A

Question: 14

In Microsoft Dynamics AX 2012, which of the following statements about full text table indexes are true? (Choose all that apply.)

- A. A full text index can include multiple string fields.
- B. A full text index can be referenced by using an X++ statement.
- C. A full text index stores information about the location of each significant word in a string field of a table.
- D. You can reference a full text index in a query by creating a query range of type Full Text Index.
- E. When a query references a full text index, it returns the first record that contains at least one of the search terms in the indexed fields.

Answer: D, C, A

Question: 15

In Microsoft Dynamics AX 2012, which of the following statements about table relations are true? (Choose all that apply.)

- A. Related field fixed relations can reference a string field.
- B. Auto joins in a form can be created by using table relations.
- C. The foreign key of a table references records in another table.
- D. Table relations are defined at the physical database level.
- E. Table relations can be used to display helpful information when a user points to a form field.

Answer: E, C, B

Question: 16

In Microsoft Dynamics AX 2012, which of the following statements are true when the DeleteAction property of a table is set to Cascade + Restricted?

- A. It extends the functionality of only the validateField method.
- B. It extends the functionality of only the delete method.
- C. It extends the functionality of only the validateDelete method.
- D. It extends the functionality of the delete and validateDelete methods.

Answer: D

Question: 17

In Microsoft Dynamics AX 2012, which of the following statements are true when the extended data type (EDT) property Direction is set to RTL? (Choose all that apply.)

- A. User input is left-aligned.
- B. User input is right-aligned.
- C. User input appears from left to right.
- D. User input appears from right to left.

Answer: D, B

Question: 18

In Microsoft Dynamics AX 2012, what is the default Array length value of a new base enumeration extended data type (EDT)?

- A. 0
- B. 0,0
- C. 1
- D. 1,1

Answer: C

Question: 19

In Microsoft Dynamics AX 2012, which of the following statements about table maps are true? (Choose all that apply.)

- A. Table maps provide a single interface to fields in multiple tables.
- B. Table maps are synchronized with the Microsoft SQL Server database.
- C. Table maps reduce coding by mapping tables that are similar in structure.
- D. A table map method enables you to add code that runs against table map fields.
- E. The table map field data type can be different from the field data type on the mapped table.

Answer: D, C, A

Question: 20

In Microsoft Dynamics AX 2012, which of the following statements about views are true? (Choose all that apply.)

- A. View definitions are not stored in the database.
- B. A view can use a complex query to display a very specific set of data.
- C. A view can improve performance by updating only specific table fields.
- D. A view can improve performance by returning only fields that are relevant to the user.
- E. A view retrieves and returns only the data that is relevant to a specific user or scenario.

Answer: E, D, B

Question: 21

You are developing forms and menu items in Microsoft Dynamics AX 2012. You need to ensure that users can activate form objects from the user interface. Which type of menu item should you create?

- A. action
- B. display
- C. output
- D. URLs

Answer: B

Question: 22

You are developing a Microsoft Dynamics AX 2012 display menu item. What should you specify in the Object property of the menu item?

- A. the form name
- B. the object name
- C. the object type
- D. the report name

Answer: A

Question: 23

You need to create a Microsoft Dynamics AX 2012 form that opens in grid view. Which property should you set?

- A. FormViewOption
- B. Model
- C. MultiSelect
- D. OpenMode

Answer: A

Question: 24

Which of the following basic object categories does a Microsoft Dynamics AX 2012 form include?

- A. data sources, fields, methods, parts, and views
- B. data sources, designs, methods, parts, and permissions
- C. data sources, designs, fields, methods, and permissions
- D. data sources, designs, display menu items, enums, and methods

Answer: B

Question: 25

Which of the following list page types are supported by Microsoft Dynamics AX 2012? (Choose all that apply.)

- A. Primary
- B. Secondary
- C. SimpleListDetails
- D. DetailsFormTransaction

Answer: B, A

Question: 26

You need to display information related to the currently selected record on a Microsoft Dynamics AX 2012 list page. What should you use?

- A. Action Pane
- B. Cues Fact Box
- C. Fast Tab
- D. Preview Pane

Answer: B

Question: 27

In Microsoft Dynamics AX 2012, which of the following are valid Fact Box types? (Choose all that apply.)

- A. Action Pane
- B. Cues
- C. Form Part
- D. Preview Pane

Answer: C, B

Question: 28

You need to ensure that a Fact Box you add to a Microsoft Dynamics AX 2012 list page will appear only in the client environment. Which type of Fact Box should you use?

- A. Cue
- B. Cue Group
- C. Form Part
- D. Info Part

Answer: C

Question: 29

You need to define the module configuration parameters in Microsoft Dynamics AX 2012. Which form design style should you use?

- A. DetailsFormMaster
- B. SimpleList
- C. SimpleListDetails
- D. TableOfContents

Answer: D

Question: 30

In Microsoft Dynamics AX 2012, to which of the following security elements can you assign privileges? (Choose all that apply.)

- A. duties
- B. permissions
- C. policies
- D. roles

Answer: D, A

Question: 31

In Microsoft Dynamics AX 2012, which of the following are valid permission access levels? (Choose all that apply.)

- A. Check
- B. Correct
- C. Create
- D. Read
- E. Write

Answer: D, C, B

Question: 32

In Microsoft Dynamics AX 2012, which of the following object types is an invalid entry point?

- A. Form
- B. Menu Item
- C. Service Operation
- D. Web Content Item

Answer: A

Question: 33

In Microsoft Dynamics AX 2012, you set the Form data source AllowDelete property to No, and you set the AllowCreate and AllowEdit properties to Yes. What will the EffectiveAccess property be set to?

- A. Create
- B. Delete
- C. Read
- D. Update

Answer: D

Question: 34

In Microsoft Dynamics AX 2012, to which base roles should every internal employee be assigned? (Choose all that apply.)

- A. Employee
- B. Guest
- C. Manager
- D. System user

Answer: D, A

Question: 35

In Microsoft Dynamics AX 2012, which security elements are grouped into process cycles?

- A. Duties
- B. Roles
- C. Permissions
- D. Privileges

Answer: A

Question: 36

Which of the following statements defines a constrained table within a Microsoft Dynamic AX 2012 security policy that has been defined by using the Extensible Data Security (XDS) framework?

- A. A constrained table determines how data is filtered.
- B. A constrained table returns data from the primary table.
- C. A constrained table holds data that has been filtered based on the policy.
- D. A constrained table controls the circumstances under which the policy is applied.

Answer: C

Question: 37

Which of the following statements about the Microsoft Dynamics AX 2012 extensible data security framework is true?

- A. Security policies are automatically enforced in display and edit methods.
- B. Security policies are automatically enforced in the Application Object Server (AOS).

- C. Security policies are automatically enforced in Application Object Tree (AOT) forms only.
- D. System administrators create security policies and determine which tables the security policies will affect.

Answer: B

Question: 38

You are developing a Microsoft Dynamics AX 2012 class. When should you declare variables in a method?

- A. After the code.
- B. Before the code.
- C. Inline before the variables are used.
- D. It is not necessary to declare variables.

Answer: B

Question: 39

You are developing a Microsoft Dynamics AX 2012 class. You need to declare an integer array with a maximum length of 20 elements. Which syntax should you use?

- A. `Int IntArrayName.20;`
- B. `Int IntArrayName(20);`
- C. `Int IntArrayName[20];`
- D. `Int IntArrayName[1] = 20;`

Answer: C

Question: 40

Which of the following are valid operators in Microsoft Dynamics AX 2012? (Choose all that apply.)

- A. AND
- B. AS
- C. IS
- D. NOT

Answer: C, B

Question: 41

You are creating an expression in Microsoft Dynamics AX 2012. Which of the following expressions results in i=3 when the initial value of i is 1? (Choose all that apply.)

- A. `i+=i+1;`
- B. `i+=i*2;`
- C. `i-=i*2+2;`
- D. `i+=i*2-1;`

Answer: B, A

Question: 42

In Microsoft Dynamics AX 2012, you are creating a method on a table named VendTable. The method must return only the tax exemption number (VATNum). You need to return the VATNum for the vendor whose account number is 3000, by passing it in the _accountNum parameter. Which of the following select statements could you use? (Choose all that apply.)

- A. (select VendTable where VendTable.AccountNum == _accountNum).VatNum;
- B. (select firstOnly VATNum from VendTable having VendTable.AccountNum == _accountNum).VatNum;
- C. (select firstOnly VATNum from VendTable where VendTable.AccountNum == _accountNum).VatNum;
- D. (select firstOnly VATNum from VendTable where VendTable.AccountNum == _accountNum).AccountNum;

Answer: C, A

Question: 43

In Microsoft Dynamics AX 2012, what is the return value of the following method, for an initial value of x = 5?

```
static int sampleSwitch(int x)
```

```
{  
;  
switch (x)  
{  
case (1):  
x = 5;  
case (5):  
x = x + 5;  
case (10):  
x = x + 10;  
break;  
case (20):  
x = x + 20;  
break;  
default:  
x = 5;  
}  
info(strfmt("Return value is %1", x));  
return x;  
}
```

- A. 5
- B. 10
- C. 20
- D. 25

Answer: C

Question: 44

In Microsoft Dynamics AX 2012, which X++ loop function evaluates the conditions after the first loop?

- A. do...while
- B. for
- C. switch
- D. while

Answer: A

Question: 45

In Microsoft Dynamics AX 2012, what is the print output of the following method?

```
static void sampleContinueBreak()
{
    int counter;
    for (counter=1;counter <= 10;counter++)
    {
        if (counter > 3 && counter < 8)
        {
            continue;
        }
        else if(counter == 9)
        {
            break;
        }
        print counter;
    }
    print counter;
    pause;
}
```

- A. 1 2 3
- B. 1 2 3 8
- C. 1 2 3 8 9
- D. 1 2 3 9 10

Answer: C

Question: 46

You are developing a Microsoft Dynamics AX 2012 class. You need to display multiple messages at the same time. Which communication tool should you use?

- A. boxes
- B. dialog boxes
- C. infolog
- D. print& pause

Answer: C

Question: 47

You are developing a Microsoft Dynamics AX 2012 class. You need to add messages to the infolog. Which of the following code segments can you use? (Choose all that apply.)

- A. `box::info("This is a message.");`
- B. `error("This is a message.");`
- C. `info("This is a message.");`
- D. `print "This is a message.";`
- E. `pause;`

Answer: C, B

Question: 48

In a Microsoft Dynamics AX 2012 class, you need to refer to a method in the same class. Which keyword should you use?

- A. `class`
- B. `element`
- C. `self`
- D. `this`

Answer: D

Question: 49

You are developing a Microsoft Dynamics AX 2012 class. Which of the following statements about a method defined with the Protected modifier is true?

- A. The method may be called from any code in the application.
- B. The method may not be called by methods in the same class in which the method is defined.
- C. The method may be called only by methods in the same class in which the method is defined.
- D. The method may be called only by methods in the same class or subclasses of the class in which the method is defined.

Answer: D

Question: 50

In Microsoft Dynamics AX 2012, which of the following methods does a class always contain? (Choose all that apply.)

- A. `close()`
- B. `finalize()`
- C. `init()`
- D. `new()`

Answer: D, B

Question: 51

In Microsoft Dynamics AX 2012, which type of class methods can be called only by methods of the same class?

- A. public
- B. protected
- C. private
- D. static

Answer: C

Question: 52

In Microsoft Dynamics AX 2012, which base table properties are required to be set for table inheritance? (Choose all that apply.)

- A. EntityRelationshipType
- B. Extends
- C. InstanceRelationType
- D. SupportInheritance

Answer: D, C

Question: 53

In Microsoft Dynamics AX 2012, which of the following can be used for modeled eventing?

- A. classes
- B. forms
- C. SSRS reports
- D. tables

Answer: A

Question: 54

In Microsoft Dynamics AX 2012, you plan to declare variables that will be used in multiple methods of a child class. Where should you declare the variables?

- A. in any method in which they will be used
- B. in the new() method of the child class
- C. in the main() method of the parent class
- D. in the class declaration of the child class

Answer: D

Question: 55

Which of the following is a valid way of defining the method modifier in Microsoft Dynamics AX 2012?

- A. client server Display abstract
- B. client server Edit static
- C. client server Public abstract
- D. client server Public static

Answer: D

Question: 56

In Microsoft Dynamics AX 2012, you need to execute the methods of a class from a menu item. Which method should you use?

- A. display
- B. init
- C. main
- D. run

Answer: C

Question: 57

A Microsoft Dynamics AX 2012 database contains three different companies. When using the crossCompany keyword and a select statement, which of the following statements is true?

- A. You can fetch customer data only from all companies in the database.
- B. You can fetch customer data only from the currently logged in company.
- C. You can fetch customer data from multiple specific companies only if one of them is the currently logged-in company.
- D. You can fetch customer data from multiple specific companies by using a container that references each company in the select statement.

Answer: D

Question: 58

In Microsoft Dynamics AX 2012, which of the following statements about order by and group by clauses of an X++ select statement is true?

- A. Only the order by clause supports the reverse keyword.
- B. Only the group by clause supports the reverse keyword.
- C. When a group by clause is used to sort records, you must reference an index in a select statement.
- D. When an order by clause is used to sort records, you must not reference an index in a select statement.

Answer: A

Question: 59

In Microsoft Dynamics AX 2012, what is the effect of using an exists or notexists join clause between two tables in a select statement?

- A. Only the first table is populated by using the join clause.
- B. Only the second table is populated by using the join clause.
- C. Both tables are populated by using the join clause.
- D. Neither table is populated by using the join clause.

Answer: A

Question: 60

In Microsoft Dynamics AX 2012, how do you fetch a table record when the noFetch keyword is used in an X++ select statement?

- A. By using a next statement.
- B. By using the firstFast keyword.
- C. By using the firstOnly keyword.
- D. By using the firstOnly10 keyword.

Answer: A

Question: 61

In Microsoft Dynamics AX 2012, which feature ensures that a record can be updated only from within the same transaction scope?

- A. Best Practice check
- B. ForUpdate check
- C. Try and Catch command
- D. Transaction Tracking System (tts)

Answer: D

Question: 62

You are developing a Microsoft Dynamics AX 2012 class that removes multiple records from a database table. You need to consolidate several database calls into one operation. Which command should you use?

- A. delete
- B. delete_from
- C. delete_recordset
- D. update_recordset

Answer: B

Question: 63

You need to perform a bulk insertion of data into a Microsoft Dynamics AX 2012 database. Which RecordInsertList method should you use?

- A. add
- B. Insert
- C. insertDatabase
- D. Insert_Recordset

Answer: C

Question: 64

What is the effect of calling the ttsbegin and ttscommit commands?

- A. ttsbegin sets the tts level to 0, and ttscommit sets the tts level to -1.
- B. ttsbegin increases the tts level by 1, and ttscommit increases the tts level by 1.
- C. ttsbegin increases the tts level by 1, and ttscommit decreases the tts level by 1.
- D. ttsbegin decreases the tts level by 1, and ttscommit increases the tts level by 1.

Answer: C

Question: 65

In Microsoft Dynamics AX 2012, which of the following items can you reference in a query object to create a Composite query in the Application Object Tree (AOT)?

- A. Map
- B. Query
- C. Table
- D. View

Answer: B

Question: 66

In Microsoft Dynamics AX 2012, you create and execute a query by using X++ code. In which sequence must you instantiate classes when writing X++ code to create the Query object?

- A. Query, QueryRun, QueryBuildDataSource, QueryBuildRange
- B. Query, QueryRun, QueryBuildRange, QueryBuildDataSource
- C. Query, QueryBuildDataSource, QueryBuildRange, QueryRun
- D. Query, QueryBuildRange, QueryBuildDataSource, QueryRun

Answer: C

Question: 67

In Microsoft Dynamics AX 2012, some customers for whom customer information is stored in the CustTable table do not have corresponding bank account information stored in the CustBankAccount table. You need to produce a list of

all customers with corresponding bank account information if it exists. Which type of query join should you use?

- A. inner join
- B. outer join
- C. exists join
- D. not exists join

Answer: B

Question: 68

Under what circumstances does an UpdateConflict exception occur in Microsoft Dynamics AX 2012?

- A. when a problem occurs during the use of CodeAccessPermission.demand
- B. when a problem occurs during the use of the Common Language Runtime (CLR)
- C. when an Optimistic Concurrency Control (OCC) transaction cannot be completed
- D. when the recVersion value of the record cache and the database record are not equal while updating a record within an Optimistic Concurrency Control (OCC) transaction

Answer: D

Question: 69

In Microsoft Dynamics AX 2012, which of the following is not a Concurrency Model System Enumeration element?

- A. ConcurrencyModel::Auto
- B. ConcurrencyModel::None
- C. ConcurrencyModel::Optimistic
- D. ConcurrencyModel::Pessimistic

Answer: B

Question: 70

In Microsoft Dynamics AX 2012, which of the following statements describe Optimistic Concurrency Check (OCC) on a table? (Choose all that apply.)

- A. OCC means that fewer locks must be placed on database records.
- B. OCC means that more locks have to be placed on database records.
- C. The system performs OCC by comparing the ModifiedBy field of the record buffer and the actual database record.
- D. The system performs OCC by comparing the recVersion field of the record buffer and the actual record in the database.
- E. OCC presumes that any record retrieved from the database is not updated until it is actually proven to be updated by the database.

Answer: E, D, A

Question: 71

Which object defines the list of exception types in Microsoft Dynamics AX 2012?

- A. Exception system enum
- B. Global class
- C. SysExceptionTable table
- D. SysUtil class

Answer: A

Question: 72

In Microsoft Dynamics AX 2012, you need to erase the error messages written to InfoLog during the execution of a try-catch block. Which X++ statement should you use?

- A. try
- B. retry
- C. throw
- D. catch

Answer: B

Question: 73

Which of the following statements about throwing and catching exceptions in Microsoft Dynamics AX 2012 is true?

- A. A throw statement does not automatically call the ttsabort statement to end the transaction.
- B. If no catch statement handles the exception, it is handled by the system exception handler.
- C. If the catch list has no block that specifies the particular exception, the system passes the exception to the catch list of the next outermost try block.
- D. When an exception is thrown inside a ttsbegin and ttscommit transaction block, the catch statement inside that transaction block handles the exception by rolling the transaction back to the ttsbegin statement.

Answer: B

Question: 74

In Microsoft Dynamics AX 2012, which exception does the system have to catch when it tries to insert a record that already exists in a table?

- A. UpdateConflict
- B. UpdateConflictNotRecovered
- C. DuplicateKeyException
- D. DuplicateKeyExceptionNotRecovered

Answer: C
