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Question: 1

You want to debug server code. What must be considered before you begin? Choose the 2 that apply.

- A. You must enable debugging on the server in the Server Configuration Utility.
- B. The Debugger must be executed on the server.
- C. Start AX32.EXE with the parameter -D.
- D. Debugging may affect other concurrent users of the system.

Answer: A, D

Question: 2

How can a programmer use Microsoft Dynamics AX 4.0 to track long queries with a threshold of more than 100 milliseconds?

- A. In the user options form, select SQL trace, check Infolog in the Long queries group, and set the threshold to 100.
- B. Start Microsoft Dynamics AX 4.0 with the start up command -longqueries=100.
- C. Enter the Threshold value 100 in the System trace form located in the Database folder of the Administrator tab of Main menu.
- D. Select the SQL monitoring checkbox in the System monitoring form and enter the value 100.

Answer: A

Question: 3

To edit the User Help in Microsoft Dynamics AX 4.0:

- A. In Microsoft Dynamics AX 4.0, click F1 and then click Edit.
- B. Edit the help in Microsoft Word and save it as an HTML document.
- C. Decompile the chm file and edit the help using an HTML editor.
- D. Open the Help node in the AOT and click edit on the help file.

Answer: C

Question: 4

Use the Compare tool to: Choose the 3 that apply.

- A. Get a list of all changed application objects.
- B. Compare two layers of the same application object.
- C. Update the current application object with modifications from the previous version.
- D. Compare an application object from the previous version with the current version.

Answer: B, C, D

Question: 5

Using the debugger, how can you determine that a variable has changed?

- A. You can set a flag on a variable under the edit menu.
- B. Watch the variable in the variables window or add the variable to the Watch window pane and it will turn red when changed.
- C. The only way is to check all variables at every step.
- D. Set a conditional break point on the variable.

Answer: B

Question: 6

What is the purpose of the Client/Server trace tool?

- A. Monitoring of parameter values transferred between client & server.
- B. Detecting logical error related to three tier execution of the code.
- C. Measuring the amount of data transferred between the client & server.
- D. Monitoring the number of RPC calls between the client & server.

Answer: D

Question: 7

Before you use the Application Hierarchy Tree you should:

- A. Update the type hierarchy.
- B. Update the data model.
- C. Recompile the application.
- D. Reindex the application.

Answer: A

Question: 8

To obtain an overview of the data types inherited from AmountMST, use:

- A. The Reverse Engineering tool.
- B. "Used by" in the AOT.
- C. The "References" node in the AOT.
- D. The Application Hierarchy Tree.

Answer: D

Question: 9

What can the Find Tool be used for? Choose the 3 that apply.

- A. Find all Forms modified after a specified date.
- B. Find all Reports with best practice errors.
- C. Find all classes that Run on Server.
- D. Find all objects modified by you.

Answer: A, C, D

Question: 10

An Upgrade project contains:

- A. Customized objects that automatically were upgraded to work with the new release.
- B. Data that need to be converted.
- C. The objects that have been changed in the new release.
- D. The customized objects that contain logical conflicts due to being changed in the new release.

Answer: D

Question: 11

Which of the following can the Code Profiler be used for? Choose the 2 that apply.

- A. To show a list of the amount of data transferred to and from the database.
- B. To shows a list of the time spent in all executed methods.
- C. List potential Best Practice errors in your code.
- D. To show a list of all lines of code executed.

Answer: B, D

Question: 12

What is the purpose of the Reverse Engineering Tool?

- A. Visualize the Microsoft Dynamics AX 4.0 data and object model in a Microsoft Visio document.
- B. Conversion of stored procedures to X++ table object methods.
- C. Migration of x++ code to .Net assemblies.
- D. Automatic execution of x++ encapsulated in a XML document.

Answer: A

Question: 13

How can you specify which Microsoft Dynamics AX 4.0 application to access?

- A. Edit the AX.ini file.
- B. Use the Microsoft Dynamics AX Configuration Utility.
- C. Use the Microsoft Dynamics AX Server Configuration Utility.
- D. Use the Microsoft Dynamics AX Server Client Utility.

Answer: C

Question: 14

Which of the following is the Report Method "Fetch" responsible for? Choose the 3 that apply.

- A. Initialize the QueryRun.
- B. Sorting data.
- C. Fetch data.
- D. Prompt for the query.

Answer: A, C, D

Question: 15

What is the purpose of the Args-class?

- A. It verifies arguments sent to the Called application object.
- B. It passes information between running application objects.
- C. It handles end-user input.
- D. It handles external access to classes in the AOT.

Answer: B

Question: 16

How do you enable personalization of a form when starting the form from X++ code? Choose the 2 that apply.

- A. Call the form using the parameter "-AllowEdit=Yes".
- B. You use a menu item.
- C. Users can never manipulate a form when it is activated from X++ code.
- D. Use classFactory to instantiate formRun.

Answer: B, D

Question: 17

What is the purpose of the RunBase framework?

- A. It defines a common structure for all data entry/queries in Microsoft Dynamics AX 4.0.
- B. It defines a common structure for all access rights in Microsoft Dynamics AX 4.0.
- C. It defines a common structure for all data manipulations in Microsoft Dynamics AX 4.0.
- D. It defines a common structure for all forms in Microsoft Dynamics AX 4.0.

Answer: C

Question: 18

Which runtime class instances exist for a running form with a data source? Choose the 3 that apply.

- A. FormRun
- B. FormDataObjectSelect
- C. FormDataSource
- D. FormDataObject

Answer: A, C, D

Question: 19

Which of the following is true? Choose the 3 that apply.

- A. If you need to put X++ code on a form, put it in on the design and not on the data source.
- B. Forms do not support inheritance.
- C. X++ code implemented in forms is always executed on the client.
- D. If you need to put X++ code on a form, favor putting it on the data source.

Answer: B, C, D

Question: 20

The PrintJobSettings class is used in connection with report output. What does the PrintJobSettings class do? Choose the 3 that apply.

- A. It contains methods and variables to hold the report output settings.
- B. It can be used to create new report options.
- C. It can be used to retrieve report options.
- D. It can be used to set report options.

Answer: A, C, D

Question: 21

What is the purpose for the RunBaseReportStd framework? Choose the 2 that apply.

- A. The framework supports a one step dialog with dialog fields, query ranges, and printer selections.
- B. The framework makes it possible to select a ReportTemplate at runtime.
- C. It makes it possible to save a report as a ReportTemplate at runtime.
- D. It makes it possible to batch execute a report.

Answer: A, D Question: 22

What is the difference between a static method and an instance method?

- A. A static method can only be called once.
- B. A static method can be called without a class instance.
- C. A static method does not support user dialogs.
- D. Static methods are always used to construct instances of classes.

Answer: B**Question: 23**

Which of the following is true regarding accessing a member variable in a class from another class?

- A. It is accessed directly by using the instance name and the member name.
- B. A static method is used to retrieve it.
- C. An accessor method in the class must be written.
- D. The accessor class is used to retrieve it.

Answer: C**Question: 24**

Which runtime class instances exist for a running report with a data source? Choose the 2 that apply.

- A. ReportDesignSpecs
- B. QuerySelect
- C. QueryRun
- D. ReportRun

Answer: C, D**Question: 25**

To distinguish between an insert and update on a form:

- A. Check if initValue has been set to Active.
- B. Check the value of the boolean "New" on the record.
- C. Call the UpdateTrue method on the data source.
- D. Make a condition on the RecId field in the Write method on the data source.

Answer: D**Question: 26**

To optimize a While Select statement what should you consider using? Choose the 2 that apply.

- A. Fieldlist
- B. Order by
- C. Join
- D. Quick select

Answer: A, C

Question: 27

Several database tables are used to manage the number sequences used by Microsoft Dynamics AX 4.0. Which table contains the definition of each number sequence?

- A. NumberSequenceList
- B. NumberSequenceTable
- C. NumberSequenceReference
- D. NumberSequenceGroup

Answer: B

Question: 28

When will the default behavior of a select be to use literals?

- A. When the number of records exceeds the threshold specified in the Server Configuration Utility.
- B. When the select joins more than two tables from the table groups: Miscellaneous, Main, Transaction, Worksheet Header & Worksheet Line.
- C. When no locking (forupdate) is specified on the select statement.
- D. When an update is performed using an array operation like update_recordset or delete_from.

Answer: B

Question: 29

Where is the entire table cache located?

- A. It will be present on the client to reduce response time when browsing the data in a grid.
- B. It will be present on the server to make the cached data available for all clients connected.
- C. It will be present on a dedicated cache server to support clustering of multiple AOS servers.
- D. It will be present on the database server as this will reduce the internal disk I/O and improve scalability.

Answer: B

Question: 30

Suppose you have a handle to a temporary table. How do you make this visible in a form with the temporary table as data source?

- A. Loop through the data in the temporary table and copy each record to the data source using .insert().
- B. The data will be visible without any manipulation as the handle and data source share the same table definition.
- C. Call the method .loadTmpData() on the data source and specify the handle to the temporary data.
- D. Redirect the data source to use the same file as the handle by calling the method .setTmpData().

Answer: D

Question: 31

On which tier is the physical file holding a temporary table placed?

- A. It is placed on the tier, where the first record is inserted.
- B. It is always placed on the AOS, as this will reduce the traffic between AOS server and the database.
- C. It is placed on the tier, where the handle is defined.
- D. It is always placed on the client to secure the Trustworthy Computing principles.

Answer: A

Question: 32

What is the advantage of using placeholders when retrieving data from the database?

- A. It will reduce the time to a record is locked and improve scalability.
- B. It will make the optimal access plan for each query as all information is available for the database, when the access plan is decided.
- C. It will reduce the CPU usage on the database server as the access plan can be reused.
- D. It will ensure that the all necessary data are retrieved when specifying a field list.

Answer: C

Question: 33

If you have a report layout where data is retrieved from many tables and the summing and sorting is complex, to obtain the best performance: Choose the 2 that apply.

- A. Use a Table Map to minimize calls to the database.
- B. Use a temporary table so you can reduce the number of individual queries to the database.
- C. Use Views to make summing and sorting easier.
- D. Use the Business Intelligence build into MSSQL.

Answer: B, C

Question: 34

Which of the following strategies are appropriate to reduce locking of central records the database?

- A. Do not use `tsBegin` & `tsCommit` when you are accessing records which can increase the locking.
- B. Setup the class to run on the server.
- C. Setup the table to use Optimistic Concurrency Control (OCC).
- D. Always specify an index to reduce the load on the database.

Answer: C

Question: 35

How would you cache display methods on forms?

- A. Display methods are always cached.
- B. It is not possible to cache display methods.
- C. Add a call to the method `cacheAddMethod` after `super()` in the `Init` method of the form.
- D. Set the property on the display method to cacheable.

Answer: C

Question: 36

In Microsoft Dynamics AX 4.0, "trade" involves which of the following accounting modules most frequently? Choose the 2 that apply.

- A. Accounts Payable
- B. Accounts Journal
- C. Cash Journal
- D. Accounts Receivable

Answer: A, D

Question: 37

The Microsoft Dynamics AX 4.0 Production Module is designed to keep track of products such as how those products are produced and what the components are needed for each product. Using this and other supplied information, the system can calculate which of the following parameters? Choose the 2 that apply.

- A. Assembly line setup.
- B. How much the item costs to produce.
- C. What resources are required to make the product.
- D. What suppliers to buy components from.

Answer: B, C

Question: 38

All Microsoft Dynamics AX 4.0 modules interface with which of the following accounting modules?

- A. General Ledger
- B. General Journal
- C. Cash Journal
- D. Ledger Voucher

Answer: A

Question: 39

The term "Trade" as used by Microsoft Dynamics AX 4.0 refers to those modules that involve:

- A. Establishing contracts with suppliers.
- B. Business to business document exchange.
- C. Buying and selling inventory.
- D. Shipping and receiving inventory.

Answer: C

Question: 40

What is the name of the main database table where each project has a record?

- A. ProjProposalJour
- B. ProjTransaction
- C. ProjCustTable
- D. ProjTable

Answer: D

Question: 41

Microsoft Dynamics AX 4.0 uses a concept called "inventory dimensions" to track variations in inventory movements. What are the two defined inventory dimensions? Choose the 2 that apply.

- A. Location
- B. Storage
- C. Item
- D. Source

Answer: B, C Question: 42

Which class is used to create inventory transactions?

- A. InventCreate
- B. InventUpdate
- C. InventNew
- D. InventTrans

Answer: B

Question: 43

The Microsoft Dynamics AX 4.0 Trade modules allow you to create a sales order using X++ code. What table methods are used to create a sales order? Choose the 3 that apply.

- A. SalesTable.InitValue()
- B. SalesTable.Insert()
- C. SalesTable.PostTransaction()
- D. SalesLine.CreateLine()

Answer: A, B, D

Question: 44

Which of the following classes control Production order updates?

- A. ProdMulti
- B. ProdStatusType
- C. ProdUpd
- D. WorkflowSchedule

Answer: C

Question: 45

What is the class that posts transactions to a journal?

- A. JournalPost
- B. LedgerJournalCheckPost
- C. LedgerPost
- D. NewJournalPost

Answer: B

Question: 46

The Microsoft Dynamics AX 4.0 Project module is used to: Choose the 3 that apply.

- A. Record costs of individual projects.
- B. Create a Gantt chart for a project.
- C. Record revenue gained from individual projects.
- D. Calculate total project costs.

Answer: A, C, D

Question: 47

Updating the status of a production order is controlled by what class?

- A. ProdUpdScheduling
- B. ProdStatusType
- C. CtrScheduleJobs
- D. ProdMultiRelease

Answer: B

Question: 48

What is the Microsoft Dynamics AX 4.0 Project Module used for?

- A. Estimate and record costs and revenue transactions for individual projects.
- B. Create production work flow processes and procedures.
- C. Create Gantt charts of projects.
- D. Estimate project schedules, timelines and milestones.

Answer: A

Question: 49

What are the main journals in Microsoft Dynamics AX 4.0? Choose the 3 that apply.

- A. Ledger
- B. Inventory
- C. Project
- D. Trade

Answer: A, B, C

Question: 50

The Microsoft Dynamics AX .NET Business Connector provides a set of managed classes that provide access to X++ functionality in Microsoft Dynamics AX. It is installed and required for the following Microsoft Dynamics AX components? Choose the 3 that apply.

- A. Enterprise Portal.
- B. Reporting Services.
- C. Application Integration Framework.
- D. Windows Share Point Services.

Answer: A, B, C

Question: 51

The Architectural layers of the Application Integration Framework within Microsoft Dynamics AX 4.0 are defined as: Choose the 2 that apply.

- A. The document transport.
- B. The Microsoft .NET Framework.
- C. The business logic.
- D. Microsoft BizTalk Server.

Answer: A, C

Question: 52

The Application Integration Framework provides the ability to reliably exchange documents between trading partners (such as business-to-business) and between applications. What document format does AIF use?

- A. Any document format.
- B. EAI
- C. XML
- D. PDF

Answer: C

Question: 53

How do you make CLR Interop assemblies visible to Microsoft Dynamics AX 4.0 X++ code?

- A. CLR assemblies must be programmed in X++ code.
- B. CLR assemblies must be referenced in the Microsoft Dynamics AX 4.0 Application Object Tree (AOT).
- C. CLR assemblies must be registered with .NET Framework.
- D. CLR assemblies must access the Microsoft Dynamics AX 4.0 application using the .NET Business Connector.

Answer: B

Question: 54

Which of the following are two of the characteristics of the Microsoft Dynamics AX .NET Business Connector? Choose the 2 that apply.

- A. Requires Microsoft Windows authentication.
- B. It is backward compatible with the COM Business Connector.
- C. Has a Business Connector Proxy user, which acts-on-behalf-of users who cannot be fully authenticated.
- D. Provides an event log that only records .NET events.

Answer: A, C

Question: 55

ActiveX controls used in Microsoft Dynamics AX 4.0 can be a source of security threats. Select one way to minimize this threat.

- A. ActiveX controls should never be run in the same security context as the Microsoft Dynamics AX 4.0 Client.
- B. ActiveX controls that are used by Microsoft Dynamics AX 4.0 should not be marked as safe for scripting.
- C. ActiveX controls should never use a method that has a signature and name equal to a public X++ method.
- D. ActiveX controls that are used by Microsoft Dynamics AX 4.0 should be marked as safe for scripting.

Answer: B

Question: 56

How are XML files used in Microsoft Dynamics AX 4.0?

- A. Data and document exchange between business partners.
- B. As a replacement for HTML files.
- C. As a replacement for .asp files.
- D. Data storage as part of the Microsoft Dynamics AX 4.0 database.

Answer: A Question: 57

What class is used to provide Code Access Security permission to a CLR Interop class?

- A. CLRSecurity
- B. InteropAccess
- C. CLRPermissionAccess
- D. InteropPermission

Answer: D

Question: 58

How does Microsoft Dynamics AX 4.0 support ActiveX controls?

- A. ActiveX objects are supported in Microsoft Dynamics AX 4.0 classes only.
- B. ActiveX controls are visual elements and are supported on forms and reports.
- C. ActiveX controls are supported across all Microsoft Dynamics AX 4.0 objects.
- D. ActiveX controls are visual elements and are supported as form controls.

Answer: D

Question: 59

The Microsoft Dynamics AX 4.0 Best Practice dictate that Microsoft Dynamics AX 4.0 types:

- A. Are capitalized and references are in lowercase.
- B. Are all lowercase and references are capitalized.
- C. Have the first letter capitalized and references start with lowercase.
- D. Have the first letter capitalized and references start with an underscore.

Answer: C

Question: 60

What kind of security authorization check is performed for a user when a report is run that must have access to a particular database table or other data source?

- A. Automatic
- B. Internal
- C. Explicit
- D. Implicit

Answer: D

Question: 61

By definition, what is "dangerous" X++ Code?

- A. Code that changes values in secure database tables.
- B. Code that performs tasks that circumvent standard Microsoft Dynamics AX security keys.
- C. Code that prevents reports and forms from accessing a data source.
- D. Code obtained from an un-trusted source.

Answer: B

Question: 62

What is the best way to set a break point before an error message?

- A. Use the message tracker, under message Debug Tool menu.
- B. Find the label ID in the label editor and then search the AOT for occurrences of that label. Set a breakpoint at each location.
- C. Press CTRL-BREAK when the message pop ups, then start the debugger.
- D. Add a break point in the info.add() method and then use the stack trace in the debugger to find the error message.

Answer: D