

APPENDIX D: REVIEW QUESTIONS

Review Questions

The following questions review the topics covered in this course and help to prepare you for the certification test in Microsoft Dynamics™ NAV solution development. When you have finished answering all of the questions, check your answers in Appendix D, Answers to Review Questions.

1. When running a report, the code in two of the following data item triggers will be executed, even if there are no records in the data item: **OnPreDataItem**, **OnAfterGetRecord**, **OnPostDataItem**. Which two?
2. Our client, CRONUS, has decided that they would like to use the same general product posting group for every seminar. Therefore, on the **Seminar Card** form, the **Gen. Product Posting Group** should always default to the same value for every seminar. Would you add this code to the **OnInsert** trigger of the Seminar table or to the **OnInsertRecord** trigger of the **Seminar Card** form?
3. You are writing a function in which you are passed a seminar number parameter called **SemNum**. In the function, you have a piece of code that you want to run only if a **Seminar** record exists where the **No.** is the same as **SemNum**. What code would you write to test whether or not the record exists?
4. You are writing code in which you want to open the Instructors form to allow the user to select one or more instructors, so that the code can make changes to those records. What function of the Form variable would you use to run the form so that a user can make a selection to be used by the code?
5. You are writing code for the **Seminar Registration Header** table in which, if the **Minimum Participants** value is greater than the **Maximum Participants** value, you show an error. How would you write this error message so that when users read it, they know how to fix the error?
6. You are writing code in a function in the **Seminar** table with the variable **NewRoomCode**. You want to assign the **NewRoomCode** to the **Room Code** field and run the code in the **OnValidate** trigger for this field. What function can you use to accomplish both of these tasks in one line?
7. What type of information does a virtual table in C/SIDE typically contain?

8. Which C/AL function is used to calculate a FlowField?
9. If the **Amount** field on the Seminar **Registration Line** table was a **SumIndexField** for the table, which C/AL function would be used to calculate the sum of the Amount values on the table?
10. You are writing code in which you want to select all the **Seminar Registration Header** records where the **Starting Date** is between two variables called **FirstDate** and **SecondDate**. How would you define this record set using the **SETRANGE** function? How would you define this record set using the **SETFILTER** function?
11. You are writing code in which you must retrieve a record from the **Seminar Registration Header** table using values from the table's secondary key. Which C/AL function do you use to retrieve the record?
12. Which C/AL function unlocks a table after the **LOCKTABLE** function has been called?
13. If you have modified the code in an existing, standard codeunit, in which places in the codeunit do you document changes, and what information is included in this documentation?
14. Of the three main posting codeunits, **Check Line**, **Post Line** and **Post Batch**, which codeunit writes to the **Ledger Entry** table? Which codeunit reads the journal lines and calls the other two codeunits?
15. Why should you exercise caution when importing objects such as text files?
16. In the **OnValidate** trigger of the **Room Code** field on the Seminar table, you are writing code that you want run only if the value entered by the user is different from what it was before. What code would you write to compare the two values?
17. You are adding a menu item to a menu button on the **Seminar Registration** form to run the **Seminar Charges** for the seminar registration. Which properties do you set to ensure that if the user changes to a new **Seminar Registration** record, the **Seminar Charges** form update to show the charges for the **new Seminar Registration** record?
18. What is the purpose of the **Check Line** function in a posting routine?
19. What does the **RECORDLEVELLOCKING** property tell you?
20. When defining the data items that will make up a report, what are two of the important factors in ensuring that the performance of the report is as efficient as possible?
21. What is the standard shortcut key to start a posting routine for a document?

22. You are writing a function that is passed a record variable (by reference) called **SemRoom**. In the function, you want to write code that checks the filters that the user placed on the record. Is this possible?
23. Which trigger executes when the user clicks the lookup button for a field?
24. In a function, you write the following line of code:

```
SemRegHeader.TRANSFERFIELDS (PostedSemRegHeader) ;
```

What does this code do?

25. In the **Seminar Registration** form, if the **Starting Date** is less than three days away from the work date, you want the **Starting Date** to appear in bold. What code do you use to make this happen and in what trigger does it appear?
26. You are performing data conversions into the new module. You are responsible for performing the conversion of closed seminar registration data into the **Seminar Ledger Entry** table. What method do you use to perform this conversion, assuming that the data has been thoroughly tested?
27. What are the three types of dimensions?
28. What property do you set to specify the values shown in a form's title bar?
29. What properties do you always set for menu buttons on a form?
30. For multilanguage functionality what functions can you use with text constants to show the user the table or field where an error occurred?
31. What field property do you set to create a FlowFilter in a table?
32. What code do you use to set the value of "Minimum Participants" to five for all records in the **Seminar** table?

The client has requested that you write a new report for the seminar module. The report should list all the seminars that take place between dates specified by the user on the request form. The user should also specify that the list of participants in each seminar shows on the report by clicking a check box on the request form. Based on this information from the client, answer the following questions:

33. Assume that your data items are **Seminar Registration Header** (SemRegHeader) and **Seminar Registration Line** (SemRegLine), with the **Seminar Registration Line** data item being indented. If you call **CurrReport.SKIP** from the **OnAfterGetRecord** trigger of the **SemRegLine** data item, which record does the program process next? And if you call **CurrReport.BREAK** instead, which record is processed?

34. Which report function do you call to stop the entire report?
35. You have added two text boxes to the request form for the user to enter the starting date and ending date for the report. In which trigger can you write code to validate the dates entered and that the ending date is after the starting date?
36. To allow the user to choose whether or not to print the list of participants in the report, you have added a check box to the request form, with its source being a variable called **ShowList**. Add code to the **PreSection** trigger for the body section showing the registration lines. What code do you write to control whether the section prints or not?