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Microsoft Access VBA

Duration: 2 Days

Overview:

Aspect Training's Microsoft Office Access VBA training course builds on the skills you've already developed in creating database applications learn on our previous Microsoft Access courses and helps you take them to the next level—using Visual Basic for Applications (VBA) to accomplish things you once performed manually. To facilitate this lofty goal, Access includes the VBA programming language. Even if you've never programmed, Aspect Training's Microsoft Office Access VBA training course will help you learn how to leverage the power of VBA to make your work with Access more efficient than ever before. Aspect Training's Microsoft Office Access VBA training course is for professionals who use Microsoft Access frequently in their daily work. You have serious work to get done and this course teaches you the essential skills you need to automate your databases as quickly as possible.

Prerequisites:

Attendance of

Aspect Training's Microsoft Access Introduction and

Microsoft Access Advance courses

or equivalent.

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Course Topics:

Getting Started

Introduction to access programming
Understanding the development environment
Using VB help

Developing with Procedures and Functions

Understanding and creating modules
Defining procedures
Creating a sub-procedure
Calling procedures
Utilising the immediate window to call procedures
Making and naming a function procedure
Working using the code editor

Understanding Objects

Understanding classes and objects
Navigating the Access object hierarchy
Understanding collections
Using the object browser
Working with the application object
Understanding the form object
Working with properties
Using the with statement
Working with methods
Understanding the DoCmd object
Working with events
Understanding the order of events

Utilising Intrinsic Functions, Variables and Expressions

Defining expressions and statements
How to declare variables
Determining data types
Programming with variable scope
Harnessing intrinsic functions
Defining constants and using intrinsic constants
Adding message boxes and using input boxes
How to declare and use object variables

Controlling Program Execution

Understanding control-of-flow structures
Working with boolean expressions
Using the *if...end if* decision structures
Using the *select case...end select* structure
Using the *for...next* structure
Using the *for each...next* structure
Using the *do...loop* structure
Guidelines for use of branching structures

Working with Recordsets

Declaring and creating object variables
Working with the ADODB recordset object
Specifying a recordset cursor type
Locking records for updating
Specifying a recordset cursor location - optional
Using the cache size property - optional
Understanding recordset cursor properties - optional

Debugging the Code

Defining errors
Working with debugging tools
Determining breakpoints
How to step through code
Working with break mode during run mode
Identifying the value of expressions

Handling Errors

Understanding error handling
Understanding VBA's error trapping options
Trapping errors with the on error statement
Understanding the error object
Writing an error handling routine
Working with inline error handling