



Aspect Training

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YOUR COURSE, YOUR WAY - MORE EFFECTIVE IT TRAINING

Access VBA Introduction

Duration: 3 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.

Topics:

1 - Getting Started

Introduction to access programming

Understanding the development environment

Using VB help

2 - 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

3 - 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

4 - 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

5 - 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

6 - 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

7 - 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

8 - 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