

Access 2007 Programming with VBA

GWEACC105

2 day

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Prerequisites

Students need appropriate introductory and advanced courses.
No programming experience is required.

Lessons

Lesson 1

- Introduction to Programming in Access
- Why Program in Access?
- Understanding the Development Environment
- Using Visual Basic Help

Lesson 2

- Understanding Modules
- Creating a Standard Module
- Understanding Procedures
- Creating a Sub Procedure
- Calling Procedures

Lesson 3

- Creating a Function Procedure
- Naming Procedures
- Organizing Code and Procedures

Lesson 4

- Understanding Classes and Objects
- Navigating the Access Object Hierarchy
- Understanding Collections
- Using the Object Browser

Lesson 5

- Understanding the Form Object
- Working with Properties
- Using the With Statement
- Working with Methods

Lesson 6

- Working with Events
- Understanding the Order of Events

Lesson 7

- Understanding Expressions and Statements
- Declaring Variables
- Understanding Data Types
- Working with Variable Scope
- Working with Variable Lifetime

Lesson 8

- Using Intrinsic Functions
- Understanding Constants
- Using Intrinsic Constants

Lesson 9

- Using Input Boxes

Lesson 10

- Understanding Control-of-Flow Structures
- Working with Boolean Expressions
- Using the If...End If Decision Structures
- Using the Select Case...End Select Structure

Lesson 11

- 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 DAO Recordset Object

Lesson 12

- Understanding Errors
- Using Debugging Tools
- Setting Breakpoints
- Setting Break Expressions

Lesson 13

- Stepping through Code
- Determining the Value of Expressions
- Handling Errors
- Understanding Error Handling
- Understanding VBA's Error Trapping Options
- Trapping Errors with the On Error Statement
- Understanding the Err Object
- Writing an Error-Handling Routine

Working with Inline Error Handling