

Visual Basic 6: Database Programming

3 day course

Overview

Students will learn how to use Visual Basic 6 for database programming.

Prerequisites

Visual Basic 6 Introduction to Programming or equivalent knowledge.

Benefits

Students will learn how to use the Visual Basic 6 programming language to access and manipulate a database.

Target student

This course is intended for application developers and other computer professionals who will use Visual Basic 6 to manage data. Students should have some application experience, ideally in object-oriented programming, but no prior knowledge of data management or querying is assumed..

Course Content:

Database Basics

- What is a Database?
- Using the Visual Basic Database Tools to Manage Your Data
- Relational Database Structures

Overview of SQL

- What is SQL?
- Optional Clauses
- Advanced Statements and Resource Management

The ActiveX Data Object (ADO) Model

- Universal Data Access (UDA)
- The ADO Model
- Introduction to Data Access

The ADO Data Control

- Properties, Methods, and Events of the ADODC
- Bound Controls
- The Data Form Wizard

The ADO DataEnvironment

- The DataEnvironment (DE)
- Creating Command and Recordset Objects in the DE
- Using Bound Controls and Data Designing in the DE

Working with ADO Code

- The Connection Object
- The Recordset Object
- The Command Object

Data Reporting

- Printing From Within Visual Basic
- Using the Data Report Designer in the DataEnvironment (DE)
- Using ADO Code to Display Data Reports
- Advanced Topics

The Data Access Objects (DAO) Model and Data Control

- The Data Access Objects (DAO) Model
- Comparing DAO and ADO
- Intrinsic Controls and DAO

Working with DAO Code

- Writing Code to Store Data
- Creating a New Database with DAO Code
- Coding the Project
- Data Manipulation with DAO Code

Migration

- Making the Decision to Migrate
 - Legacy Upgrade Compatibility Issues
 - Migration Dos and Don'ts
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