

## **Introduction to Visual Basic for Applications**

- Introduction to Visual Basic for Applications
- Running a Procedure
- Running a Procedure Using the Visual Basic Toolbar
- Running a Procedure Using the Tools Menu
- Running a Procedure Using a Keyboard Shortcut

## **Recording and Editing Basic Procedures**

- Recording a Procedure
- Understanding Visual Basic Modules
- The Project Explorer
- Understanding Syntax
- How Excel Displays Code
- How This Manual Displays Syntax
- Editing a Procedure
- Calling a Procedure
- Understanding Variables
- Using Parameters in a Procedure
- Using Multiple Parameters
- Passing by Reference or Passing by Value
- Adding Steps into a Procedure
- Selecting the Recording Mode
- Absolute and Relative References
- Selecting the Recording Mode

## **Debugging Visual Basic Code**

- Stepping Through a Procedure
- Responding to the Microsoft Visual Basic Error Dialog Box
- Using the Break Mode and Watch Expressions
- Entering Break Mode Manually
- Using Breakpoints to Enter Break Mode
- Watch Expressions

## **Assigning Procedures to Menus, Objects, and Keyboard Shortcuts**

- Assigning a Procedure to a Keyboard Shortcut
- Assigning a Procedure to an Excel Menu
- Assigning a Procedure to a Toolbar
- Assigning a Procedure to a Graphic

## **Using Function Procedures**

- Function Procedure Syntax
- Creating and Calling a Function Procedure
- Creating a Function Procedure
- Calling a Function Procedure
- Inserting a User-defined Function
- Using the Paste Function Button
- Typing a User-defined Function

## **Using Objects, Properties, and Methods**

- Using Objects, Properties, and Methods
- Understanding Objects, Properties, and Methods
- Looking at Recorded Procedures
- Using Visual Basic Help
- Using the Object Browser
- Setting an Object's Property

- Property Value Syntax
- Using the With Statement
- Manipulating Ranges and Cells
- The Range Object
- The Cells Property
- The Offset Method
- Using the Formula Property
- Using the Select and Activate Methods
- The Select Method
- The Activate Method
- Using the Close Method

### **Using Interactive Procedures**

- Displaying Excel's Built-In Dialog Boxes
- Displaying a Customized Dialog Box
- Using the StatusBar Property
- Using the Beep Statement
- Creating a Message Box

### **Controlling Procedures**

- Using the If...Then Statement
- Using the Elself Statement
- Using the If...Then...Else Statement
- Using the Do...Loop Statement
- The Do While...Loop Statement
- The Do Until...Loop Statement
- Using the For...Next Statement

### **Automating Procedures**

- Using Automatic Procedures
- Recording an Automatic Procedure
- Writing an Automatic Procedure
- Working with Add-in Applications
- Creating an Add-in Application
- Loading an Add-in Application
- Using the Personal Macro Workbook
- Recording a Procedure into the Personal Macro Workbook
- Saving a Workbook as the Personal Macro Workbook

### **Customizing Menus and Command Bars**

- Creating a Custom Menu
- Creating Command Bars
- Creating a Command Bar
- Adding Buttons to a Command Bar
- Adding Menus to a Command Bar
- Deleting a Command Bar

### **Creating User Forms**

- Creating a User Form
- Inserting a User Form
- Adding Controls to the User Form
- Adding Controls to the User Form
- Modifying User Form Controls
- Control Properties
- Assigning a Procedure to a Control

## Event Procedures

Assigning an Existing Procedure to a Control

Using Control Methods and Properties in Code

Assigning a New Procedure to a Control

The Unload and End Methods

Displaying a User Form

Defining Initial User Form Settings