Visual Basic for Applications

Duration: 2 Days

Description

This class is designed to help students describe the concepts in and uses of Visual Basic for Applications, record and edit procedures, debug visual basic code, assign procedures to objects, and keyboard shortcuts, use function procedures, and objects properties, and methods. In addition, students will learn to use interactive procedures, control procedures, automate procedures and create user forms

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Prerequisites

Excel Advanced

Objectives

- ✓ Describe the concepts in and uses of Visual Basic for Applications.
- ✓ Record and edit basic procedures.
- ✓ Debug Visual Basic code.
- ✓ Assign procedures to menus, objects, and keyboard shortcuts.
- ✓ Use function procedures.
- ✓ Use objects, properties, and methods.
- ✓ Use interactive procedures.
- ✓ Control procedures.
- ✓ Automate procedures.
- ✓ Create user forms.

Outline

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 Objects, and Keyboard Shortcuts
Assigning a Procedure to a Keyboard Shortcut
Assigning a Procedure to a ribbon button
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

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