

VISUAL BASIC TRAINING PROGRAMME

EOP Training



European On-Line Partners

Visual Basic – Introduction

Visual Basic Training Plan Summary (Duration: Three Days)

COURSE OBJECTIVES

This course is designed to give an introduction and understanding to the Visual Basic Programming Environment, as well as offering an exposure to the techniques used in creating Visual Basic applications.

No programming experience will be assumed, though a thorough understanding of, and experience in using Windows is expected.

Operating System

Windows 95

Prerequisites

Visual Basic and MS Access Fundamentals

Course Contents

Introduction to Visual Basic

Learning Objectives

The Windows Graphic User Interface (GUI)

Features and Characteristics of the Visual Basic Environment

Developing a Windows Application in Visual Basic

Working with Files in Visual Basic

Using Visual Basic Help

Key Terms

Section Exercises

Visual Basic Forms, and the Standard Visual Basic Controls

Learning Objectives

Visual Basic Objects
Introduction to Visual Basic Controls
Understanding Properties, Methods, and Events
Designing a Form
Validating the Use of Visual Basic Controls
Visual Basic Object Naming Coding Conventions
Visual Basic Elements
Visual Basic Programming Statements
Key Terms
Section Exercises

Visual Basic Code and Language Fundamentals

Learning Objectives
Entering and Editing Code in the Visual Basic Code Window
Variables, Constants, and Data Types
Visual Basic Variable and Constant Naming Conventions
Using Operators
(*Structured Coding Conventions in Visual Basic*) Sequence, Selection, and
Iteration Constructs in Visual Basic Code
Visual Basic Elements
Visual Basic Programming Statements
Key Terms
Section Exercises

Menu Structures

Learning Objectives
Creating and Controlling Menus
Using the Menu Editor
Visual Basic Elements
Visual Basic Programming Statements
Key Terms
Section Exercises

Sub and Function Procedures, and Modules

- Learning Objectives
- Scoping and Creating Sub and Function Procedures
- Scope of Variable and Constant Declarations
- Global Declarations and the Standard Code Module
- Visual Basic Elements
- Visual Basic Programming Statements
- Key Terms
- Section Exercises

Arrays

- Learning Objectives
- Working with Control Arrays
- Creating and Accessing Arrays
- Dimensions of Arrays
- User-Defined Data Types (*Record Types*)
- Processing with Arrays
- Sorting and Searching
- Visual Basic Elements
- Visual Basic Programming Statements
- Key Terms
- Section Exercises

Handling Errors and Debugging Visual Basic Code

- Learning Objectives
- Types of Errors in Visual Basic
- Invoking Error Handling Routines
- Approaches to Debugging and Debugging Tools in Visual Basic
- Visual Basic Elements
- Visual Basic Programming Statements
- Key Terms

Section Exercises

Responding to Mouse and Keyboard Events

Learning Objectives

Adding Code to an Event

The Order of Mouse Events

Mouse Event Arguments

Dragging and Dropping with the Mouse

Keyboard Events

Popular KeyPress Values

Visual Basic Elements

Visual Basic Programming Statements

Key Terms

Section Exercises

Processing Files and Manipulating File Controls

Learning Objectives

Data File Types and File Organisation

The File Controls on the Toolbox

Visual Basic Elements

Visual Basic Programming Statements

Key Terms

Section Exercises

Additional Visual Basic Functionality

Making a Visual Basic Project Executable

The Set-up Wizard

Notes cover the contents of these sessions together with a description and background of Visual Basic

To Book This Course

Please Contact Us at: Tel: 021 884016, Fax: 021 884712 or Email: consult@eop.ie

Other Courses That We Offer Include

Word, Excel, Powerpoint & MS Office (all levels), Windows 95 & 98, MS Outlook, Internet Browsing, Internet Explorer 3& 4 and Email Training

NT Server, Exchange Server, Network Administration, Netware, Novell, MS Access, Visual Basic, Advanced HTML, Web Authoring & Java Programming

Ref: visualbasic5introduction (VB5trainingprog1)