

VB.NET



Course Content

Lesson 05: Debugging Visual Basic.NET Programs

- Finding and Correcting Errors
- Three Types of Errors
- Identifying Logic Errors
- Using Break Mode
- Tracking Variables by Using a Watch Window
- Using the Command Window
- Switching to Command Mode in the Command Window

Lesson 06: Trapping Errors Using Structured Error Handling

- Processing Errors Using Try...Catch
- When to Use Error Handlers
- Path and Disk Drive Errors
- Using the Finally Clause to Perform Cleanup Tasks More Complex
- Try...Catch Error Handlers
- The Err Object
- Specifying a Retry Period
- Using Nested Try...Catch Blocks
- Comparing Error Handlers with Defensive Programming Techniques

Lesson 07: Using Modules and Procedures

- Working with Standard Modules
- Creating a Standard Module
- Working with Public Variables
- Creating Procedures
- Writing Function Procedures
- Writing Sub Procedures
- Passing Arguments by Value and by Reference

Lesson 08: Using Arrays and Collections to Manage Data

- Working with Arrays of Variables
- Creating an Array
- Declaring a Fixed-Size Array
- Working with Array Elements
- Creating a Dynamic Array
- Preserving Array Contents by Using ReDim Preserve
- Working with Object Collections
- Referencing Objects in a Collection
- Writing For Each...Next Loops
- Experimenting with Objects in the Controls Collection

Application Development using VB.NET

You can book this VB.NET Training course in conjunction with our ASP.net course for a comprehensive introduction to .NET

This VB.NET training course has been designed for programmers wishing to acquire the capability to write sophisticated event-driven applications, or those requiring an understanding of the capabilities of VB.NET

This VB.net course uses Visual Studio .NET

VB.NET Training Course Objectives

- To fully familiarize students with the architecture of the .NET Framework, as well as the use of the core classes for building, debugging, and deploying Windows applications.

To get attendees up to speed on the use of the Visual Studio.NET IDE, including debugging, and application deployment

Who should attend?

- Developers with a good understanding of object oriented programming and developers wanting to upgrade their skills on the Microsoft platform.
- Intermediate programmers who will design and build Windows and Web based applications using .NET framework.
- Programmers who are evaluating Microsoft .NET tools, such as Microsoft Visual Studio .NET 2010.

Course Prerequisites

- Familiarity with the Windows operating system
- Some familiarity with programming constructs is required
- Advanced VB developers should attend a private VB.NET Upgrade course

Course Duretion

48 Hours, 16 Classes, 3 Hours per class

Course Content

Lesson 09: Deploying Visual Basic.NET Applications

- Planning a Deployment
- Different Ways to Deploy an Application
- Creating a Deployment Project
- Customizing Your Deployment Options
- Building a Deployment Project and Testing Setup

Lesson 10: Managing Windows Forms

- Adding New Forms to a Program
- How Forms Are Used
- Working with Multiple Forms
- Positioning Forms on the Windows Desktop
- Minimising, Maximising, and Restoring Windows
- Adding Controls to a Form at Runtime
- Organizing Controls on a Form
- Specifying the Startup Object

