

VB .NET Certification



e-Learning Course

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COURSE MODULES

Introduction to VB .NET

- Getting started with VB.NET
- Visual Basic .NET Forms
- Add Controls using the Toolbox
- Adding a Textbox to the Form
- Visual Basic .NET and Properties
- Adding a splash
- Create a New Project

VB .NET Programming

- Variable and Data Types
- Operators and Expressions
- A VB NET Calculator Project
- The code for the calculator
- The Message Box in VB .NET

Conditional Logic

- VB Net If Statements
- Select Case Statements
- Add a Combo Box to a VB .NET form
- The Conditional Operators in VB
- An Introduction to Loops in VB .NET
- VB For Loops
- VB Do Loops
- The Basic Math Symbols in VB .NET

Adding menu to Forms

- Add a menu to a VB .NET Form
- How to add VB code to a Menu
- How to add a Sub Menu to your Form
- How to add Shortcuts to your Menu Items
- Menu Item Images
- The Open File Dialogue Box
- Filter files with the Open File Dialogue Box
- Selecting Files
- The Save File Dialogue Box
- Cut, Copy, Paste and Undo menus
- How to Show and Hide Controls
- Insert Images into a Picture Box
- Add a Checkbox to a VB .NET form
- Writing code for Checkboxes
- Add Option Buttons to a VB .NET form

Debugging Code

- Error Handling and Debugging in VB .NET
- VB Design Time Errors
- VB RunTime Errors
- Try ... Catch in VB .NET
- Logic Errors
- Breakpoints and Debugging tools

String Manipulation

- The VB String Variable Type
- How to use the Trim Method in VB
- The difference between Char and Chars()
- How to use the VB InStr Method
- How to use the Substring Method in VB
- Equals, Replace and Insert Methods
- How to use Split and Join in VB .NET

Mastering Arrays

- What is an Array?
- VB Arrays and the Index Number
- Assigning Values to a VB Array
- Arrays where boundaries are not known

Working with Text Files

- What is a Text File?
- Open a Text File in VB .NET
- Read a Text File Line by Line
- Write to a Text File in VB .NET
- Appending Text to a File in VB .NET
- Copy a File in VB
- Move a File
- Delete a File

Functions and Subs

- An Introduction to VB Functions and Subs
- Create your own Subs in VB .NET
- Using Parameters in your Subs
- ByVal and ByRef in VB .NET
- Create a Function in VB.NET
- Use Parameters with Functions
- File and Folder Functions

Events

- VB Click Event
- VB Mouse Down Event
- Key Down Event in VB Net
- VB Form Load Event

VB NET and Forms

- Anchor and Dock Controls on a VB Form
- Add a Toolbar to a VB Form
- Creating Multiple Forms in VB .NET
- Modal and Non-Modal VB Forms

Classes and Objects

- Introduction to VB Classes and Objects
- Create your own Classes in VB .NET
- Create Objects from your Class
- Creating Properties in your Classes
- Inheritance and VB Classes

VB .NET Databases

- VB NET and Databases
- Database Wizard in VB NET
- Datasets and Data Adaptors
- Display the Data in the Dataset
- Navigate a Database with VB .NET
- Move through the Database
- Add, Update and Delete Records
- Add a New Record using VB .NET
- Delete a Record using VB .NET