30+ hours of instructor-led training!

C# Programming with Visual Studio 2005

• CourseId: 189 • Skill level: 100-300 • Run Time: 30+ hours (154 videos)

Course Description

Our C# 2005 training course features more than 30 hours of classroom-quality, instructor-led training on writing WinForm applications, console applications, and ASP.NET websites using C# as the language of choice.

Table of Contents

1 - Getting Started with Visual Studio Express Editions

2 - Visual Studio 2005 - Installing and Working With the IDE

3 - Working with Visual Studio 2008

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6 - Intro to WinForm Development - Creating Windows Applications

7 - Introduction to ASP.NET Web Applications - Building Websites and Web Pages

8 - ASP.NET: Data Viewer Controls

9 - ASP.NET Websites - Deployment, Maintenance and Using Web Servers

10 - ASP.NET Master Pages, User and Server Controls

11 - Test Driven Development , Unit Testing, Agile and Extreme Programming

12 - Getting Started with SQL Server 2005

13 - Shared Videos From LearnReportingServices.com

14- Misc Topics That Don't Fit Anywhere Else

Pricing and Multi-User Licensing

LearnItFirst's courses are priced on a per user, per course basis. Volume discounts start for as few as five users. Please visit our website or call us at +1(877) 630-6708 for more information.

Packages and Bundles Available

This course is part of our "Visual Studio 2005 Developer's Package". This package features four courses and a savings of 25% off the retail price (*"Buy 3 Get 1 Free"*).

$99.95

per user

• Purchasing this course allows you access to view and download the videos for one full year

• Course may be watched as often as necessary during that time

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Who Is This Course Designed For?

Our C# course is designed for the beginner-intermediate - beginners will find a lot of great help here as will intermediate-level users.

Pre-Requisites

It is recommended that you have at least a small amount of experience creating variables and working with another programming language (even as a novice)

About the Instructor

Scott Whigham is the founder of LearnItFirst.com, one of the web's most extensive video training libraries focusing on technical training. Scott is also an experienced consultant, trainer, and author with more than a decade of hands-on experience working with SQL Server databases, writing and debugging applications using Visual Studio, and performance tuning. Scott designed the architecture (websites, class libraries, and database) for the LearnItFirst.com websites and, most recently, was involved in upgrading the websites and support applications from Visual Studio 2005 to Visual Studio 2008 and to SQL Server 2008.

Before founding LearnItFirst, Scott had been an independent consultant since 1998 focusing on SQL Server and .NET performance tuning and data warehousing. Scott has been asked to speak and train at events in the United States and Europe. As an author, Scott has written courses on SQL Server and C# and VB languages as well as popular articles for top-selling magazines and the MSDN (Microsoft Developer Network) library.

Frequently Asked Questions

- *"How do I access the videos?"* You can access the videos 24/7 online via our website
- *"Do I have to have internet access to watch the videos?"* No! Users can download the videos to their hard drive.
- *"How long are the videos?"* The videos are broken into 10 minute task-oriented segments designed to teach you a single task
- *"How many videos are in a course?"* It depends on the topic; courses can have anywhere from 20 - 200 videos!

For More Details

Visit http://www.learnitfirst.com/Course/189/C-Sharp-2005.aspx for more information and to watch free sample videos from this course.

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Videos in this course:

Chapter 1: Getting Started with Visual Studio Express Editions

Viewed?

- 1.1 - What Are the Express Editions? ☐
- 1.2 - Installing Visual C# and Visual Basic Express Editions ☐
- 1.3 - Using Visual Web Developer and SQL Server 2005 Express Editions Together ☐
- 1.4 - Getting Comfortable with the Visual Web Developer Environment: Menus ☐
- 1.5 - Understanding and Manipulating the Express Edition Tabbed Environment ☐
- 1.6 - Updating and Patching Visual Studio Express Editions ☐
- 1.7 - Migrating From Express Edition to Professional Edition ☐
- 1.8 - Pt. 1 - Creating Our First Application Using Visual C# Express Edition ☐
- 1.9 - Pt. 2 - Working with WinForms ☐
- 1.10 - Pt. 3 - Event Handlers and Properties ☐
- 1.11 - Pt. 4 - An Overview of the Toolbox Items ☐
- 1.12 - Pt. 5 - An Overview of the Toolbox Items ☐
- 1.13 - Pt. 1 - Installing Visual Web Developer 2005 Express Edition ☐
- 1.14 - Pt. 2 - An Overview of the Project Types and Building Your First Website ☐
- 1.15 - Pt. 3 - Understanding Webforms, .aspx Pages, and Codefiles ☐
- 1.16 - Pt. 1 - Understanding the Different Filetypes and Items Available ☐
- 1.17 - Pt. 2 - Understanding the New Item Options and Filetypes ☐
- 1.18 - Pt. 3 - Understanding the New Item Options and Filetypes ☐

Chapter 2: Visual Studio 2005 - Installing and Working With the IDE

- 2.1 - Installing Visual Studio 2005 on Windows Vista ☐
- 2.2 - Installing Service Pack 1 (SP1) on Windows Vista for the Visual Studio Express Editions ☐
- 2.3 - Installing the MSDN Documentation and Best Practices for Using MSDN ☐
- 2.4 - A Quick Look at a Few Free Visual Studio 2005 Add-Ins and Tools ☐
- 2.5 - Pt. 1 - Installing Visual Studio 2005 Professional Edition ☐

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Videos in this course:(cont.):

Chapter 2: Visual Studio 2005 - Installing and Working With the IDE

Viewed?

- 2.6 - Pt. 2 - Post Set-up Options, Service Pack Installation and Hotfixes ☐
- 2.7 - Pt. 1 - Installing VS2005 Team Suite Edition ☐
- 2.8 - Pt. 2 - Installing VS2005 Team Suite Edition ☐
- 2.9 - Pt. 1 - An Overview of the Process of Installing SP1 ☐
- 2.10 - Pt. 2 - Installing the Service Pack and Verifying the Installation ☐

Chapter 3: Working with Visual Studio 2008

- 3.1 - Installing Visual Studio 2008 ☐

Chapter 4: Introduction to .NET and C# Concepts

- 4.1 - Comparing C# Datatypes and SQL Server Datatypes ☐
- 4.2 - Pt. 1 - Building Our First Console Application ☐
- 4.3 - Pt. 2 - Building Our First Console Application ☐
- 4.4 - Pt. 3 - Building Our First Console Application ☐
- 4.5 - Tabs, Docking and Getting Comfortable With the Visual Studio IDE ☐
- 4.6 - Templates - Project Templates and Item Templates ☐
- 4.7 - C# Basics - Using Comments ☐
- 4.8 - C# Basics - Expressions: What They Are and How to Use Them ☐
- 4.9 - Pt. 1 - Writing If Statements and Boolean Tests ☐
- 4.10 - Pt. 2 - Using the Logical And, Or, and Not Operators, Parentheses, and Brackets ☐
- 4.11 - Pt. 3 - More Expansive If Statements Using C# Generics and Switch Statements ☐
- 4.12 - Tips for Writing Effecient If, Switch, and Select Case Statements ☐
- 4.13 - Pt. 1 - How to Write to the Windows Application Event Log ☐
- 4.14 - Pt. 2 - How to Create and Use a Custom Event Log ☐
- 4.15 - Pt. 1 - An Introduction to Operators: Unary, Binary, Ternary, and More ☐

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Videos in this course:(cont.):

Chapter 4: Introduction to .NET and C# Concepts

Viewed?

- 4.16 - Pt. 2 - An Introduction to Operators: Unary, Binary, Ternary, and More ☐
- 4.17 - Pt. 3 - Working with Unary Operators in C# ☐
- 4.18 - Pt. 4 - Binary Operators in C#: the Assignment, Arithmetic, and Relational Operators ☐
- 4.19 - Pt. 5 - Working with the C# Logical Operators: &, |, ^, &&, and || ☐
- 4.20 - Pt. 6 - C# Increment, Decrement, Prefix and Postfix Operators ☐
- 4.21 - Pt. 1 - Namespaces: An Introduction to Namespaces in .NET ☐
- 4.22 - Pt. 2 - Comparing C# and Visual Basic Namespaces: Default and Root namespaces ☐
- 4.23 - Pt. 3 - Comparing C# and Visual Basic Namespaces: Default and Root namespaces ☐
- 4.24 - Pt. 4 - Nesting Namespaces and Organizing Your Classes and Code ☐
- 4.25 - Pt. 5 - .NET Namespace Best Practices and Do's and Don'ts ☐
- 4.26 - Pt. 1 - An Introduction to CAPTCHAs and the Various Options ☐
- 4.27 - Pt. 2 - Using reCAPTCHA to Block Spam and Protect Content ☐
- 4.28 - Pt. 3 - How to Configure reCAPTCHA for Use in Your Websites ☐
- 4.29 - Pt. 4 - Using the ASP.NET Captcha Control ☐
- 4.30 - Part 1 - What is .NET? ☐
- 4.31 - Part 2 - What is .NET? ☐
- 4.32 - Part 1 - Primitive Types in C# ☐
- 4.33 - Part 2 - Primitive Types in C# ☐
- 4.34 - Part 3 - Primitive Types in C# ☐
- 4.35 - Part 4 - Primitive Types in C# ☐
- 4.36 - Part 5 - Primitive Types in C# ☐
- 4.37 - Part 6 - Primitive Types in C# ☐

Chapter 5: Writing Console Applications

- 5.1 - Pt. 1 - Our First Console Application in Visual Studio ☐

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Videos in this course:(cont.):

Chapter 5: Writing Console Applications

Viewed?

- 5.2 - Pt. 2 - Our First Console Application in Visual Studio ☐
- 5.3 - Pt. 3 - Our First Console Application in Visual Studio ☐
- 5.4 - Pt. 4 - Our First Console Application in Visual Studio ☐
- 5.5 - Pt. 5 - Our First Console Application in Visual Studio ☐

Chapter 6: Intro to WinForm Development

- 6.1 - Pt. 1 - Creating Our First Windows Application ☐
- 6.2 - Pt. 2 - Creating Our First Windows Application ☐
- 6.3 - Pt. 3 - Creating Our First Windows Application ☐

Chapter 7: Introduction to ASP.NET Web Applications

- 7.1 - Pt. 1 - Building the Website and Adding Pages ☐
- 7.2 - Pt. 2 - Understanding the Properties, the Toolbox, and Design Time Programming ☐
- 7.3 - Pt. 3 - Working with Properties and Changing Properties at Runtime ☐
- 7.4 - Pt. 4 - Postbacks and Events ☐
- 7.5 - Pt. 5 - Working with Textboxes and Setting Properties at Runtime ☐
- 7.6 - Pt. 6 - Codefiles, Inline Code, and a Tour of More Controls ☐
- 7.7 - Pt. 7 - A Quick Tour of the Standard Controls ☐
- 7.8 - Pt. 1 - ASP.NET Page Lifecycle and Page-Level Events: An Overview ☐
- 7.9 - Pt. 2 - Discussing Load(Page_Load), PreLoad, and LoadComplete ☐
- 7.10 - Pt. 3 - The Final Page Events: PreRender, SaveStateComplete, Render, and Unload ☐
- 7.11 - Pt. 4 - Understanding How AutoEventWireup Works ☐
- 7.12 - Pt. 5 - Avoiding Common Pitfalls Often Seen When Using AutoEventWireup ☐

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Videos in this course:(cont.):

Chapter 8: ASP.NET: Data Viewer Controls

Viewed?

- 8.1 - Pt. 1 - GridView Essentials: Filtering a GridView/SqlDataSource Based On a DropDownList ☐
- 8.2 - Pt. 2 - GridView Essentials: Filtering the GridView Based on a Calendar Control ☐
- 8.3 - Pt. 1 - An Introduction to the GridView and Using GridViews In Your ASP.NET Applications ☐
- 8.4 - Pt. 2 - Pagination With the GridView ☐
- 8.5 - Pt. 3 - Templates and GridViews ☐
- 8.6 - Pt. 4 - Working With ItemTemplates in the GridView ☐
- 8.7 - Pt. 5 - An Introduction to Using the SqlDataSource ☐
- 8.8 - Pt. 6 - Customizing the SqlDataSource to Use Custom Helper Classes for Connection Strings ☐

Chapter 9: ASP.NET Websites

- 9.1 - Installing and Configuring IIS on Windows XP to Run Python ☐
- 9.2 - 1 - An Overview of How to Deploy Your ASP.NET Websites and Using 'Publish Website' ☐
- 9.3 - 2 - Web Application Projects - Installing, Deploying and Configuring ☐
- 9.4 - 3 - Web Deployment Projects - Installing, Configuring, and Deploying ASP.NET Websites with WDPs ☐
- 9.5 - 4 - Web Setup Projects - Creating and Configuring Your First Web Setup Project ☐
- 9.6 - 5 - Using 'Copy Website' to Deploy Your ASP.NET Websites ☐
- 9.7 - 1 - Using Cassini or IIS: An Overview of Web Server Options With ASP.NET Websites ☐
- 9.8 - 2 - Installing IIS and Configuring Your ASP.NET Website on Windows XP ☐
- 9.9 - 3 - Troubleshooting IIS Website Configurations, Part 1 ☐
- 9.10 - 4 - Troubleshooting IIS Website Configurations, Part 2 ☐
- 9.11 - 5 - Setting Your Web Site Options in IIS ☐
- 9.12 - 6 - Understanding IIS Virtual Directories and Publishing Your Site ☐
- 9.13 - Pt. 1 - Installing and Configuring IIS7 on Windows Vista to Run Python ☐
- 9.14 - Pt. 2 - Creating Python Pages and How to Execute Python Scripts in IIS7 ☐
- 9.15 - Pt. 1 - Installing and Configuring IIS7 on Windows Vista ☐

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Videos in this course:(cont.):

Viewed?

Chapter 9: ASP.NET Websites

9.16 - Pt. 2 - Creating and Managing Your IIS7 Website ☐

Chapter 10: ASP.NET Master Pages, User and Server Controls

10.1 - Pt. 1 - Why Do You Need to Consider Using Master Pages and User Controls? ☐

10.2 - Pt. 2 - Creating User Controls and Master Pages ☐

10.3 - Pt. 3 - How to Register Your User Control One Time For Use Across Your Entire Website ☐

Chapter 11: Test Driven Development , Unit Testing, Agile and more

11.1 - Pt. 1 - What Is Test driven Development (TDD)? What are Unit Tests? How Can I Use Them? ☐

11.2 - Pt. 2 - More on the Core Principles and Ideas of TDD and Unit Testing ☐

11.3 - Pt. 3 - Writing Your First Application Using TDD, Your First Unit Test, and Using NUnit ☐

11.4 - Pt. 4 - Best Practices and Guidelines for Successful Unit Testing ☐

11.5 - Pt. 5 - How to Setup and Configure Your First NUnit Project ☐

Chapter 12: Getting Started with SQL Server 2005

12.1 - Migrating From Express Edition to SQL Server Enterprise/Standard/et al ☐

12.2 - Installing Visual Studio and SQL Server Express Edition - Part 1 ☐

12.3 - Pt. 2 - Installing SQL Server 2005 Express Editions ☐

12.4 - Pt. 3 - Post-Install: Examining an Installation of SQL Server 2005 Express Edition ☐

12.5 - Pt. 4 - Using the SQL Server Configuration Manager ☐

12.6 - Pt. 5 - Using SQL Server Management Studio (SSMS) Express ☐

12.7 - Pt. 1 - Installing SQL Server 2005 Express Edition on Windows Vista ☐

12.8 - Pt. 2 - Installing SQL Server 2005 Express Edition on Windows Vista ☐

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Videos in this course:(cont.):

Chapter 12: Getting Started with SQL Server 2005

Viewed?

- 12.9 - Pt. 3 - Working with the Documentation and Books Online ☐
- 12.10 - Pt. 4 - Working With SQL Server 2005 Management Studio Express Edition ☐
- 12.11 - Pt. 1 - Installation and Configuration of the SQL Server 2005 Sample Applications for SQL and more ☐
- 12.12 - Pt. 2 - More Samples and How to Get the Sample Applications to Compile Using an .snk File ☐

Chapter 13: Shared Videos From LearnReportingServices.com

- 13.1 - Pt. 1 - An Introduction to SQL Server Reporting Services ☐
- 13.2 - Pt. 2 - SQL Server Reporting Services Licensing and Editions ☐
- 13.3 - Pt. 3 - SQL Server Reporting Services Architecture ☐
- 13.4 - Pt. 4 - SQL Server Reporting Services Terms and Definitions (Glossary) ☐
- 13.5 - Pt. 5 - How to Author and Deploy Reports ☐
- 13.6 - Pt. 6 - Report Security and Integrating Reports with ASP.NET, C# and Visual Basic ☐

Chapter 14: Misc Topics That Don't Fit Anywhere Else

- 14.1 - Pt. 1 - An Overview of the Various Options for Executing SSIS Packages Outside of SSMS and BIDS ☐
- 14.2 - Pt. 2 - An Overview of How to Execute SSIS Packages With C# ☐
- 14.3 - Pt. 3 - An Overview of How to Execute SSIS Packages With Visual Basic ☐
- 14.4 - Pt. 4 - An Overview of How to Override Event Handlers in C# and Visual Basic ☐
- 14.5 - Pt. 5 - How to Pass In Variables and Set Variable Values for SSIS Packages Using .NET ☐
- 14.6 - Pt. 6 - More Options: Using DTEXEC.exe and DTEXECUI.exe ☐
- 14.7 - Pt. 7 - More on DTEXEC; How to Execute SSIS Packages In Windows PowerShell; Using xp_cmdshell ☐
- 14.8 - Pt. 8 - How to Execute a SQL Server SSIS-Based Job Remotely Using sp_start_job ☐
- 14.9 - Pt. 9 - sp_start_job Options and Security: Credentials, Proxy Accounts and More ☐
- 14.10 - Pt. 10 - How to Execute An SSIS Package in ASP.NET ☐
- 14.11 - Part 1 - An Introduction to Regular Expressions ☐

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Videos in this course:(cont.):

Chapter 14: Misc Topics That Don't Fit Anywhere Else

	Viewed?
14.12 - Part 2 - A Continued Introduction to Regular Expressions	☐
14.13 - Part 3 - Looking at a Filename Pattern Regular Expression	☐
14.14 - Part 4 - Looking at a Filename Pattern Regular Expression	☐
14.15 - Part 5 - Email Address Validation Regular Expression	☐
14.16 - Part 6- Using Windows PowerShell to Test Regular Expressions	☐
14.17 - Part 7 - More Regular Expressions Syntax and Case Sensitivity	☐
14.18 - Part 8 - Using Regular Expressions in Everyday Applications	☐

For More Details

Visit http://www.learnitfirst.com/Course/189/C-Sharp-2005.aspx for more information and to watch free sample videos from this course.

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