

Re: Free Online CSharp 2 Windows Course

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<http://www.tech-archive.net/Archive/DotNet/microsoft.public.dotnet.languages.csharp/2007-04/msg01040.html>

- *From:* "driper" <someone@xxxxxxxxxxxxxx>
 - *Date:* Sat, 7 Apr 2007 10:00:49 +1000
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Hello

At the moment i think there are only files for the " windows apps" course
not the "web apps" right?

thanks.

<auratius@xxxxxxxxxx> wrote in message

<news:1173437045.393199.105490@xx>

<http://www.auratius.co.za/index.html>

C# 2.0 Programming for Windows Applications
[Introduction to .Net]
Introduction to .NET
Overview of the .NET Framework
How .NET is Different from Traditional Programming
Common Language Runtime (CLR)
Common Language Specification (CLS)
Common Type System (CTS)
Overview of .NET Assemblies
Microsoft Intermediate Language (MSIL)
.NET Namespaces
.NET Framework Classes
Introduction to Visual Studio.NET
Setting Profiles
Creating a Project
Using the Solution Explorer
Setting Project Properties
Adding References
Using the Code Editor
Compiling a Program
Running a Program

Language Fundamentals
C# Project Types
Program Structure
Defining Namespaces
C# Data Types
Declaration and use of Variables and Constants
Operators and Expressions

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Console I/O

Type Conversions and Type Checking

Conditionals and Looping

if

if/else

switch

while

for

foreach

Functions and Parameters

Defining Functions

Parameters

Passing by Value

Passing by Reference

Value Types versus Reference Types

The Stack

The Heap

Function Overloading

Variable Length Parameter Lists

Type Checking

Static Members

Exception Handling

What are Exceptions

Catching Exceptions

.NET Exception Hierarchy

Throwing Exceptions

Managing Resources with Finally

Defining Custom Exception Types

Data Structures

Defining and Using Arrays

Using System.Array

Defining and Using Structures

Defining and Using Enumerations

Using System.Enum

Using .NET Collections

ArrayList

Hashtable

Object-Oriented Programming Concepts

Purpose of Object-Oriented Programming

Building Classes

Creating Objects

Using Inheritance with .NET Classes

Understanding the Role of Interfaces in .NET

ICollection

IList

IDictionary

IDbConnection

IDbCommand

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Windows Forms Programming in Visual Studio.NET

What are Windows Forms

Overview of Controls

The .NET Control Hierarchy

Label and TextBox Controls

Button Controls

Using the Windows Forms Designer

The Life-cycle of a Form

Handling Events

Event Driven Programming Model

Common Event Categories

Writing Event Handlers

Sharing Event Handlers between Events

Using Controls

Enabling/Disabling Controls

Showing/Hiding Controls

Setting Focus to a Control

Making Choices Using the CheckBox and RadioButton Controls

Managing Lists Using the ListBox, ComboBox, ListView and TreeView Controls

Providing Assistance with the ToolTip Control

Using the Up/Down Controls

Building Menus, Toolbars and Statusbars in .NET 2.0

New Controls in .NET 2.0

Working with Dialogs

Using the MessageBox Class

Using the Standard Dialogs

Creating and Using Windows Dialogs

Modal versus Modeless Dialogs

Working with Modal Dialogs

Using DialogResult

Setting the Default and Cancel Buttons

Using the ErrorProvider Control

Working with Modeless Dialogs

ADO.NET

The ADO.NET Object Model

Client-Side vs. Server-Side Cursors

Connected vs. Disconnected Access

Using Connection Classes to Connect to a Data Source

Using Command Classes to Execute Queries and Stored Procedures

Insert, Update and Delete with ADO.NET

Using DataReader Classes to Work with Cursors

Using the DataSet Class with Disconnected Data

Using DataAdapter Classes with DataSets

Data Binding

Introduction to Data Binding

Binding Controls using .NET 2.0

MDI Applications

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- Introduction to MDI Applications
- Building the Parent Form
- Building the Child Form
- Spawning Child Forms
- Using XML
- Introduction to XML and XML Schemas
- Reading XML Data with a DataSet
- Writing XML Data with a DataSet
- Working with Xml Documents
- Working with Configuration Files

- Introduction to Web Services
- Web Services Architecture
- Web Service Programming Model
- Understanding SOAP Messages
- Creating Web Services using C#
- Protocols for Accessing Web Services
- Consuming a Web Service
- Using WSDL and Proxy Classes
- Reading and Writing Files
- System.IO Namespace
- Examining Files and Directories
- Opening Files
- Reading Files
- Writing Files

- Deploying Applications
- Issues with Deployment
- Using XCOPY Deployment
- Using Visual Studio Deployment Projects
- Using VS 2005 Publish Option

Prerequisites

Working knowledge of HTML and basic web site design. Basic knowledge of one of programming languages such as C, C++, Java, Visual Basic, Javascript or VBScript.

Requirements

In order to take full advantage of this course, students will need to have access Microsoft Visual Studio.NET (Visual Studio .NET Express version is currently available for free evaluation download).

Class Books

Required Book: Microsoft Visual C# 2005 Step by Step
[Register Now]

Additional Information:

This online course is limited to 100 participants. Your place in the course is confirmed by an email sent after registration. Introductory courses are intended for students with no experience in the subject

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matter and are seeking beginner level training.

Additional Cost: Book and software might be required for the course. Read the Requirements and Book section for more information.

Start Date: Click on the Register Now button to proceed to the registration page. You will see the start date of the class on that page.

How eClasses Work: The classroom environment is based on Online and Email Access. I will post lectures, reading selections, and hands-on assignments once a week in the online classroom. Students can discuss the assignments with the instructor and amongst themselves in the classroom area. This format has no set meeting time, which allows students to attend class at a time most convenient to them, yet still provides logically organized communication between class participants.