
Foundations of C# Programming and the .NET Framework

Duration: 5 Days Course Code: GK2346 Delivery Method: Virtual Learning

Overview:

In this course, you will be introduced to the .NET framework through an overview of languages, libraries, services, and tools. You'll then learn the foundations of the C# language. From basics to the newer features such as generics, partial classes, static classes, global namespace qualification, and so forth, are integrated throughout the course.

Virtual Learning

This interactive training can be taken from any location, your office or home and is delivered by a trainer. This training does not have any delegates in the class with the instructor, since all delegates are virtually connected. Virtual delegates do not travel to this course, Global Knowledge will send you all the information needed before the start of the course and you can test the logins.

Target Audience:

Developers who: Want to gain in-depth knowledge of the core C# language Need a fast introduction to the .NET platform architecture Would like an overview of how to navigate the .NET Framework class library

Objectives:

- Examine core language features such as types, variables, and control constructs
 - Use object-oriented features such as class, interface, protection, and inheritance
 - Perform error notification and error handling using exceptions
 - Use properties to implement the private data/public accessor pattern
 - Use namespaces to group related types
 - Use delegates and events to implement callbacks
 - Override Object class methods such as ToString
 - Avoid dll conflicts during deployment
 - Use dynamic binding and polymorphism to write generic code (i.e., less code!)
 - Distinguish between "implementation inheritance" and "interface inheritance"
 - Use ADO.NET to connect to SQL Server and run a simple query
 - Build a basic Windows Forms GUI
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Prerequisites:

■ Working knowledge of at least one other high-level language.
Note: The difficulty level is ideal for programmers coming from languages like VB6, Pascal, or C. Individuals with a mainframe or scripting background will find the course very challenging—you should study an introductory programming text before attending. If you have some C++ or Java experience, some material will be familiar, but the course will still be beneficial. Experienced C++ or Java programmers should move directly to Essential .NET.

Content:

Assemblies

Further Information:

For More information, or to book your course, please call us on Head Office 01189 123456 / Northern Office 0113 242 5931

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