Foundations of C# Programming and the .NET Framework

Duration: 5 Days   Course Code: GK2346

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.

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

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 00 966 92000 9278

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