C# Developer

Cursusduur: 5 Dagen **Cursuscode: C-SHARP**

Beschrijving:

C# Developer Course Overview

English - Please note this course is only available in English.
Nederlands - Let op: deze training is alleen in het Engels beschikbaar.
Français - Veuillez noter que ce cours est uniquement disponible en anglais.
The C# Developer course comprises sessions dealing with C# applications,variables and operators,decision and loop constructs,arrays,enums,methods,o

Doelgroep:

Who will the Course Benefit?

This course is aimed at anyone who wants to learn C# as a first language and developers who want to migrate to C# from another language,particularly those with little or no object-oriented knowledge.

Doelstelling:

- Course Objectives

- This course aims to provide the delegate with the knowledge to be able to produce simple C# applications that exploit the core elements of the language including variables,expressions,selection and iteration,arrays,methods,classes and objects,structs,encapsulation,inheritance and polymorphism,exceptions,file IO and LINQ.

Vereiste kennis en vaardigheden:

- Delegates attending this course should have some previous programming experience and be able to define general programming concepts including compilation,execution,variables,arrays,sequence,selection and iteration,navigate the filesystem (on the command line ideally),edit and save text files and browse the web. This knowledge can be obtained by attendance on the pre-requisite Introduction to Programming course.

Vervolgcursussen:

Further Learning

- ASP.NET Core

Cursusinhoud:

C# Developer Training Course Course Contents - DAY 1

Course Introduction

- Administration and Course Materials
- Course Structure and Agenda
- Delegate and Trainer Introductions

Session 1: INTRODUCING C#

- History of the Language
- C# and .NET
- Common Intermediate Language
- Common Language Runtime
- Compiling and Running Code
- Development tools

Session 2: VARIABLES

- Using Namespaces
- Declaring Variables
- Value and Reference Types
- Datatypes
- Variable Scope

Session 3: OPERATORS

- Arithmetic Operators
- Unary Operators
- Concatenation Operators
- Comparison Operators
- Logical Operators

Session 4: DECISIONS

- If Statements
- Switch Statements C# Developer Training Course Course Contents - DAY 2

Session 5:LOOPS

- Types of Loop
- Break and Continue Statements

Session 6: ARRAYS AND ENUMS

- Populating Arrays
- Looping Through Arrays
- Working with Enums

Session 7: METHODS

- Fields and Methods
- Method Parameters
- Method Overloading
- Optional Parameters

Session 8: OBJECTS

- Creating Objects
- Instance Fields
- Instance Methods C# Developer Training Course Course Contents - DAY 3

Session 9: CLASSES AND STRUCTS

- Class Structure
- Constructors
- Using Structs

Session 10: ENCAPSULATION

- Access Modifiers
- Getters and Setters
- Properties

Session 11: STATIC MEMBERS

- Static Fields
- Static Methods
- Static Classes
- Static Context

Session 12: INHERITANCE AND POLYMORPHISM

- Object Oriented Programming
- Extending Classes
- Inheritance Modifiers
- Polymorphism C# Developer Training Course Course Contents - DAY 4

Session 13: ABSTRACTION AND INTERFACES

- Abstract Methods
- Abstract Classes
- Using Interfaces
- Interface Polymorphism

Session 14: EXCEPTION HANDLING

- Throwing Exceptions
- Catching Exceptions
- Using try,catch and finally
- Custom Exceptions

Session 15: STRINGS AND DATES

- The String Class
- Using StringBuilder
- Date Handling
- Formatting Numbers

Session 16: COLLECTIONS

- Working with Collections
- Generic Collections
- The List Class
- The Dictionary Class C# Developer Training Course Course Contents - DAY 5

Session 17: DELEGATES,LAMBDAS AND EVENTS

- Creating Delegates
- Lambda Expressions
- Events and Event Handlers

Session 18: FILE IO

- I/O Streams
- Handling Files
- Serialising and Deserialising Data

Session 19: LINQ

- Query Expressions
- Ordering and Projection
- Grouping and Joins
- LINQ to XML

Nadere informatie:

Neem voor nadere informatie of boekingen contact op met onze Customer Service Desk 030 - 60 89 444

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