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Autore Rahman Mohammad

Titolo Expert C# 5.0 with .NET 4.5 framework / / Mohammad Rahman

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Collana The expert's voice in .NET

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Nota di contenuto Title Page; Copyright Page; Contents at a Glance; Table of Contents; About the Author; About the Technical Reviewer; Acknowledgments; CHAPTER 1 Reintroducing C#:-A Detailed Look at the Language We All Know; Square Number Using the C#; Compilation of a C# Program; Jitting a C# Program; Understanding the C# Language; Identifiers; Keywords; Contextual Keywords; Literals; Boolean Literal; Integer Literal; Real Literal; Character Literal; Null Literal; String Literal; Comments; Types; Value Types; Reference Types; Array; One-Dimensional Arrays; Multidimensional Arrays; Variable-Length Arrays Associative ArraysVariables; Default Values for the Variables; Variable Storage; Stack; Heap; Types of Variables; Static Variables; Instance Variables; Array Elements; Value Parameters; Reference Parameters; Output Parameters; Local Variables; Parameters; Types of Parameter Passing; Kinds of Operators; Statements; Labeled Statements; Declaration Statements; Embedded Statement; Namespaces; Class; Object; Class Members; Accessibility; Types of Classes; Abstract classes; Sealed Classes; Static Classes; Constructor; Default Constructors; Private Constructors
Optional Instance Constructor ParametersField; Static Field; Instance Field; Readonly Field; Volatile Field; Methods; Types of Methods; Properties; Indexers; Automatically Implemented Properties; Struct;

Sommario/riassunto	Expert C# 5.0 is a book about getting the best from C#. It's based on the principle that to write good, high-performance, robust applications you need to understand whats going on deep under the hood. If you are already experienced with writing managed applications and want to learn more about how to get the best from the language at an advanced level, then this is the book for you. Expert C# 5.0 discusses the familiar C# language in forensic detail. Examining familiar elements closely to reveal how they really work. Key language features that you are already familiar with, such as Enums, Strings and Collections, are teased apart and examined under the twin microscopes of MSIL (Intermediate Language) and the Windbg debugger to see what's really going on behind the scenes as your code is compiled and passed to the CLR. This unparalleled depth of explanation will help you to become a true master of the C# language and architect better crafted applications that work in the most efficient and reliable way possible. It will also give you the insight you need to rapidly identify and fix the stubborn coding faults that others may be unable to diagnose.