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Functional programming languages like F#, Erlang, and Scala are attracting attention as an efficient way to handle the new requirements for programming multi-processor and high-availability applications. Microsoft's new F# is a true functional language and C# uses functional language features for LINQ and other recent advances.

Real World Functional Programming is a unique tutorial that explores the functional programming model through the F# and C# languages. The clearly presented ideas and examples teach readers how functional programming differs from other approaches. It explains how ideas look in F#-a functional language-as well as how they can be successfully used to solve programming problems in C#. Readers build on what they know about .NET and learn where a functional approach makes the most sense and how to apply it effectively in those cases.

The reader should have a good working knowledge of C#. No prior exposure to F# or functional programming is required.

Tomas Petricek discovered functional programming as a graduate student at Charles University in Prague. He has been a Microsoft C# MVP since 2004 and is one of the most active members in the F# community. In addition to his work with F#, he has been using C# 3.0 in a functional way since the early previews in 2005. He interned with the F# team at Microsoft Research, and he has developed a client/server web framework for F# called F# WebTools. His articles on functional programming in .NET and various other topics can be found at his web site tomasp.net.

Jon Skeet is a software engineer and Groovy enthusiast who specializes in Java and C# development.