

Linq For Beginners

ASP.NET is the next generation ASP, but it's not an upgraded version of ASP. ASP.NET is an entirely new technology for server-side scripting. ASP.NET is a part of the Microsoft .NET framework, and a powerful tool for creating dynamic and interactive web pages. ASP.NET is a server side scripting technology that enables scripts (embedded in web pages) to be executed by an Internet server. ASP.NET is a Microsoft Technology. ASP stands for Active Server Pages.

ASP.NET is a program that runs inside IIS. IIS (Internet Information Services) is Microsoft's Internet server. IIS comes as a free component with Windows servers. IIS is also a part of Windows 2000 and XP Professional.

Essential C# 3.0 is an extremely well-written and well-organized “no-fluff” guide to C# 3.0, which will appeal to programmers at all levels of experience with C#. This fully updated edition dives deep into the new features that are revolutionizing programming, with brand new chapters covering query expressions, lambda expressions, extension methods, collection interface extensions, standard query operators, and LINQ as a whole. Author Mark Michaelis covers the C# language in depth, and each important construct is illustrated with succinct, relevant code examples. (Complete code examples are available online.) Graphical “mind maps” at the beginning of each chapter show what material is covered and how each topic relates to the whole. Topics intended for beginners and advanced readers are clearly marked. Following an introduction to C#, readers learn about C# primitive data types, value types, reference types, type conversions, and arrays Operators and control flow, loops, conditional logic, and sequential programming Methods, parameters, exception handling, and structured programming Classes, inheritance, structures, interfaces, and object-oriented programming Well-formed types, operator overloading, namespaces, and garbage collection Generics, collections, custom collections, and iterators Delegates and lambda expressions Standard query operators and query expressions LINQ: language integrated query Reflection, attributes, and declarative programming Threading, synchronization, and multithreaded patterns Interoperability and unsafe code The Common Language Infrastructure that underlies C# Whether you are just starting out as a programmer, are an experienced developer looking to learn C#, or are a seasoned C# programmer interested in learning the new features of C# 3.0, Essential C# 3.0 gives you just what you need to quickly get up and running writing C# applications.

LINQ is the project name for a set of extensions to the .NET Framework that provide a generic approach to querying data from different data sources. LINQ made its debut in Visual Studio 2008, and became a must-have skill for .NET developers. For more information about LINQ, you can check out www.linqdev.com. Starting with code and ending with code and tailored for the VB language, Pro LINQ: Language Integrated Query in VB 2008 is a veritable treasury of LINQ

examples that will save you hours, even days, of research time. Keeping you focused on the relevant LINQ principles, expert author Joseph Rattz, Jr., and VB specialist Dennis Hayes provide examples for complex models that you won't find anywhere else. In most books, you'll find plenty of simple examples to demonstrate how to use a method, but authors rarely show how to use the more complex prototypes. Pro LINQ: Language Integrated Query in VB 2008 is different. Demonstrating the overwhelming majority of LINQ operators and prototypes, Joseph Rattz, Jr., and Dennis Hayes condense their extensive experience and expertise into a desk companion that is essential for any serious .NET professional. Rather than obscure the relevant LINQ principles in code examples by focusing on a demonstration application you have no interest in writing, this book cuts right to the chase of each LINQ operator, method, or class. However, where complexity is necessary to truly demonstrate an issue, the examples are right there in the thick of it. For example, code samples demonstrating how to handle concurrency conflicts actually create concurrency conflicts so you can step through the code and see them unfold. Most books tell you about the simple stuff, while few books warn you of the pitfalls. Where Pro LINQ: Language Integrated Query in VB 2008 returns your investment is in the hours, and sometimes days, spent by the authors determining why something may not work as expected. Sometimes this results in an innocent-looking paragraph that may take you a minute to read and understand, but took days to research and explain. Face it, most technical books while informative, are dull. LINQ need not be dull. Written with a sense of humor, this book will attempt to entertain you on your journey through the wonderland of LINQ and VB 2008.

LINQ is the part of the .NET Framework that provides a generic approach to querying data from different data sources. It has quickly become the next must-have skill for .NET developers. Pro LINQ: Language Integrated Query in C# 2010 is all about code. Literally, this book starts with code and ends with code. Most books show the simplest examples of how to use a method, but they so rarely show how to use the more complex prototypes. This book is different. Demonstrating the overwhelming majority of LINQ operators and prototypes, it is a veritable treasury of LINQ examples. Rather than obscure the relevant LINQ principles in code examples by focusing on a demonstration application you have no interest in writing, this book cuts right to the chase of each LINQ operator, method, or class. However, where complexity is necessary to truly demonstrate an issue, the examples are right there in the thick of it. For example, code samples demonstrating how to handle concurrency conflicts actually create concurrency conflicts so you can step through the code and see them unfold. Face it, most technical books, while informative, are dull. LINQ need not be dull. Written with a sense of humor, this book will attempt to entertain you on your journey through the wonderland of LINQ and C# 2010.

Concepts, Designs and Implementations

C# 2008 For Dummies

Beginning XML

Introducing Microsoft LINQ

Pro LINQ

Provides information on using Microsoft Language Integrated Query for data access.

The Definitive Guide to C# "From using LINQ to covariance and from string formatting to optional arguments, Herb's update covers all you need to know about using real-world C# 4.0." —Michael Howard, Microsoft Corporation Bestselling author Herb Schildt has updated and expanded his classic programming reference to cover C# 4.0--the latest release of this powerful, feature-rich language. Using carefully crafted explanations, insider tips, and hundreds of examples, C# 4.0: The Complete Reference offers in-depth details on all aspects of C#, including keywords, syntax, and core libraries. New C# 4.0 features, such as named and optional arguments, the dynamic type, expanded covariance and contravariance capabilities, and support for parallel programming with the Task Parallel Library (TPL) and PLINQ are also discussed. Perfect for beginners and professional C# programmers alike, this expert resource is written in the clear, crisp, uncompromising style that has made Herb the choice of millions worldwide. Begin mastering C# 4.0 today with help from this authoritative volume!

Coverage includes: Data types and operators Control statements Classes and objects Constructors, destructors, and methods Interfaces, arrays, enumerations, and structures Method and operator overloading Inheritance and virtual methods Reflection and runtime type ID Exception handling Delegates, properties, events, and indexers Attributes Multithreading and the Task Parallel Library Generics LINQ and PLINQ Lambda expressions Anonymous types Extension methods Named and optional arguments Implicitly typed variables I/O, networking, and collections The preprocessor and much, much more

Stay ahead of the game with this comprehensive guide to the C# programming language Well-known C# expert Rod Stephens gives novice and experienced developers a comprehensive tutorial and reference to standard C#. This new title fully covers the latest C# language standard, C# 5.0, as well as its implementation in the 2013 release of Visual Studio. The author provides exercises and solutions; and his C# Helper website will provide readers and students with ongoing support. This resource is packed with tips, tricks, tutorials, examples, and exercises and is the perfect professional companion for programmers who want to stay ahead of the game. Author Rod Stephens is a well-known programming authority and has written more than 25 programming books covering C#, Java, VB, and other languages. His books have sold more than 150,000 copies in multiple editions. This book's useful exercises and solutions are designed to support training and higher education adoptions.

Learn the full range of C# programming language features Quickly locate information for specific language features in the reference section Familiarize yourself with handling data types, variables, constants, and much more Experiment with editing and debugging code and using LINQ Beginning through intermediate-level programmers will benefit from the accessible style of C# 5.0 Programmer's Reference and will have access to its comprehensive range of more advanced topics. Additional support and complementary material are provided at the C# Helper website, www.csharphelper.com. Stay up-to-date and improve your programming skills with this invaluable resource.

Foreword by Darryl Hogan, Architect Evangelist, Microsoft Corporation Microsoft's highly anticipated LINQ query technology makes it easy to retrieve any information programmatically from any data source, no matter where it comes from or how it's stored. Using LINQ, developers can query objects, relational databases, XML documents, and ADO.NET datasets--and do it all directly from C# 3.0, leveraging the powerful capabilities of LINQ. This is a definitive guide to getting real-world results with LINQ, using C# 3.0 and Visual Studio 2008. In LINQ Unleashed, Microsoft MVP Paul Kimmel covers every facet of LINQ programming, showing how LINQ can help you dramatically improve your productivity and build more reliable, maintainable applications. Kimmel begins by reviewing the state-of-the-art C# programming techniques LINQ uses, including anonymous types, partial methods, and Lambda expressions. Next, using realistic examples and easy-to-adapt sample code, he details the most powerful new LINQ techniques for accessing objects, databases, and XML. You'll gain a deep and practical understanding of how LINQ works "under the hood"--and learn how to do everything from selecting data through integrating XML with other data models. Build efficient LINQ queries to .NET objects, SQL databases, and XML content Utilize anonymous types to reduce design time, coding effort, and debugging time Automatically generate .NET state machines with the new yield return construct Master LINQ query syntax, operators, extension methods, sorting, grouping, aggregate and set operations, and more Make the most of select--and use it in the business layer of your n-tier applications Query relational data stored in Microsoft SQL Server Use nullable types to eliminate unnecessary database access plumbing code Use LINQ with ADO.NET 3.0 and Microsoft's powerful new Entity Framework Extract XML data without the hassles or complexity of XPath Automatically construct XML from CSV files and other non-XML data Query Active Directory by extending LINQ

C# Programming Illustrated Guide For Beginners & Intermediates

C# 3.0: A Beginner's Guide

Learn C# in 7 days

Language Integrated Query in C# 2010

For .NET Framework 3.5

Beginning C# Object-Oriented Programming brings you into the modern world of development as you master the fundamentals of programming with C# and learn to develop efficient, reusable, elegant code through the object-oriented programming (OOP) paradigm. Take your skills out of the 20th century and into this one with Dan Clark's accessible, quick-paced guide to C# and object-oriented programming, completely updated for .NET 4.0 and C# 4.0. As you develop techniques and best practices for coding in C#, one of the most popular contemporary languages, you'll experience modeling a "real world" application through a case study, allowing you to see how both C# and OOP (a methodology you can use with any number of languages) come together to make your code reusable and efficient. With more than 30 fully hands-on activities, you'll discover how to transform a simple model of an application into a real C# project, including designing the user interface, implementing the business logic, and integrating with a relational database. Along the way, you will explore the .NET Framework, the creation of a Windows-based user interface, a web-based user interface, and object-oriented programming, all using Microsoft's industry-leading Visual Studio 2010, C#, Silverlight, the Entity Framework, and LINQ. A guide to the practical issues and applications in database programming with updated Visual Basic.NET SQL Server Database Programming with Visual Basic.NET offers a guide to the fundamental knowledge and practical techniques for the design and creation of database programs that can be used for real-world commercial and industrial applications. The author—a noted expert on the most current version of Visual Basic.NET, Visual Basic.NET 2017 with Visual Studio.NET 2017. In addition, he introduces the Microsoft SQL Server database and Microsoft SQL Server 2017 Express. All sample program projects can be run in the most updated version of Visual Basic.NET 2019 with Visual Studio.NET 2019. Written in an accessible, down-to-earth style, the author explains how to build a database using the SQL Server management system and Microsoft SQL Server Management Studio 2018. The latest version of ASP.NET 4.7, is also discussed to provide the most up-to-date Web database programming technologies. This important book includes illustrative practical examples and detailed descriptions to aid in comprehension of the material presented. Includes both fundamental and advanced database programming techniques. Integrates images into associated database tables using a DevExpress UI tool. Written for graduate and senior undergraduate students studying database implementations and programming courses, SQL Server Database Programming with Visual Basic.NET shows how to develop professional and practical database programs in Visual Basic.NET 2019.

LINQ, Language INtegrated Query, is a new extension to the Visual Basic and C# programming languages designed to simplify data access and database interaction. It addresses O/R mapping issues by making query operations like SQL statements part of the programming language. It also offers built-in support for querying in-memory collections like arrays or lists, XML, DataSets, and relational databases. This book is a fast-paced, comprehensive tutorial for professional developers. This book explores what can be done with LINQ, shows how to use it in an application, and addresses the emerging best practices. It presents the general purpose query facilities offered by LINQ in C# and VB.NET 9.0 languages. A running example introduces basic LINQ concepts. You'll then learn to query unstructured data.

XML and relational data with LINQ to SQL. Finally, you'll see how to extend LINQ for custom applications. LINQ in Action walks along as you explore this new world of lambda expressions, query operators, and expression trees. As well, you'll explore the C# 3.0, VB.NET 9.0. The book is very practical, anchoring each new idea with running code. Whether you want to use LINQ to XML documents, or relational databases, you will find all the information you need to get started. But LINQ in Action does more than just show you code. This book also shows you how LINQ can be used for advanced processing of data, including coverage of LINQ's extensions that allows querying more data sources than those supported by default. All code samples are built on a concrete business case. For example, LinqBooks, is a personal book cataloging system that shows you how to create LINQ applications with Visual Studio. The print book comes with an offer of a free PDF, ePub, and Kindle eBook from Manning. Also available is all code from the book. This comprehensive introduction to SQL Server begins with an overview of database design basics and the SQL query language. It provides an in-depth look at SQL Server itself. It progresses on to a clear explanation of how to implement fundamental concepts with T-SQL. SQL Server Discusses creating and changing tables, managing keys, writing scripts, working with stored procedures, programming with SQL Server Reporting and Integration Services, and more. Features updated and new material, including new examples using the AdventureWorks sample database.

The Future Is Here! Learning By Doing Approach

C# 5.0 Programmer's Reference

Wcf 4.0 Multi-Tier Services Development with Linq to Entities

Thinking in LINQ

Live Project Training Guide ASP.Net Practical approach For Beginners

Whether you're a total novice or a programmer shifting to C#, the newest version of this programming language is full of cool features you'll want to use. With its Visual Studio compatibility, C# is the perfect language for building Windows Vista applications. And the 2008 version works with LINQ, a query language with syntax similar to SQL but which simplifies database code and can also write queries on XML files. For the best basic C# how-to, it's hard to beat C# 2008 For Dummies. This plain-English guide to programming with C# can have you creating your first console application before you finish Part I. In fact, the basic template you create at that point will be the foundation of many other apps as you move through the book. Along the way you'll get the scoop on organizing your data, object-oriented programming (also known as OOP), and a great LINQ-related feature called delegates and events. You'll find out how to Create a console application template Perform logical comparisons Work with loops and if statements Understand collection syntax Use interfaces and object-oriented concepts Apply delegates and events, and much more You'll even gain some rare insight into how to understand error messages you may get when programming in C#. All the code you need can be found on the companion Web site, along with great bonus information that helps you do more with C# 2008. So — what are you waiting for? Grab C# 2008 For Dummies and let's get started!

Learn C# in 7 days with practical examples, build a foundation for C# programming, and boost your skills to an advanced level About This Book Learn the basics of C# in 7 days Works as a reference guide describing the major features of C# Build easy and simple code through real-world example scenarios Who This Book Is For The book is for aspiring developers and absolute novices who want to get started with the world of programming. You do not need any knowledge of C# for this book. What You Will Learn Understand and set up the .NET environment Code in C# using the Visual Studio 2017 RC (preferable community edition) IDE Define variables, syntax, control flows, statements, and arrays etc through examples Understand the concepts of Object-Oriented Programming using C# Get acquainted with attributes, collection, generics, and LINQ Get your hands on class members such as Modifiers, Methods, Properties, Indexers, File I/O, Exception Handling, and Regex Build a real-world application using C# 7 In Detail This book takes a unique approach to teach C# to absolute beginners. You'll learn the basics of the language in seven days. It takes a practical approach to explain the important concepts that build the foundation of the C# programming language. The book begins by teaching you the basic fundamentals using real-world practical examples and gets you acquainted with C# programming. We cover some important features and nuances of the language in a hands-on way, helping you grasp the concepts in a fluid manner. Later, you'll explore the concepts of Object-Oriented Programming (OOP) through a real-world example. Then we dive into advanced-level concepts such as generics and collections, and you'll get acquainted with objects and LINQ. Towards the end, you'll build an application that covers all the concepts explained in the book. By the end of this book, you will have next-level skills and a good knowledge of the fundamentals of C#. Style and approach Fast paced guide to get you up-to-speed with the language. Every chapter is followed by an exercise that focuses on building something with the language. The codes of the exercises can be found on the Packt website

C# Programming Illustrated Guide For Beginners & Intermediates Learn Coding Fast! With Practical Easy To Follow Examples And Step By Step Instructions! Why should you choose to learn C# programming? C sharp programing was developed by Microsoft and is USED in all their products! C# is definitely a great way to get started in the world of programming, and since one of the biggest software giants (Microsoft) developed this language it would make sense to learn from one of the most popular languages and most influential software developer in the history of the world! This book offers illustrated step by step examples for you to learn from. No more boring 500+ page text books to read from, my book goes straight to the point and provides practical examples you can use for a more hands on approach. Real Life Practical Uses of C# Windows Services Web Applications Windows Applications Web Services Games Console Applications Work-Flow Applications Class Libraries C# programming is becoming more and more popular with each passing day simply because it's an easy to learn language, robust, comprehensive, practical, and a general purpose language. C# programming is an in demand skill sought out by many employers and corporations worldwide! So not only was it created by arguably one of the biggest software/tech giants in history, but it is also a skill that has a HUGE job prospect in today's modern world. What You

Will Learn Object-Oriented Language & programming Variables and Data Types User Input and Console Output Conditional Statements Functions in C# String Manipulation in C# Polymorphism & Encapsulation Practical Examples And, much, much more! Most books on programming languages can be expensive! - And Colleges charge you a fortune just for an introductory lessons. My book is only a fraction of the price! Why not get started off at an affordable and reasonable price? The greatest investment you can make is an investment in yourself. Invest in your knowledge base, and my book is your best starting point for both beginners and intermediates. This is your in depth comprehensive guide with practical examples and illustrations to learn C# programming, whether you want to develop the skill set for personal reasons or have a better chance at the job market using these highly desired and sought after skills, -this book is made just for you! Its scientifically proven that illustration can help with your knowledge retention over 110%! What are you waiting for? Make the greatest investment in yourself and grab a copy of this book. Buy Now!

Step-by-step beginner's guide to Visual C# 2012 Written for novice programmers who want to learn programming with C# and the .NET framework, this book offers programming basics such as variables, flow control, and object oriented programming. It then moves into web and Windows programming and data access (databases and XML). The authors focus on the tool that beginners use most often to program C#, the Visual C# 2012 development environment in Visual Studio 2012. Puts the spotlight on key beginning level topics with easy-to-follow instructions for Microsoft Visual C# 2012 Explores how to program for variables, expressions, flow control, and functions Explains the debugging process and error handling as well as object oriented programming, and much more Beginning Microsoft Visual C# 2012 Programming offers beginners a guide to writing effective programming code following simple step-by-step methods, each followed by the opportunity to try out newly acquired skills.

Harnessing the Power of Functional Programming in .NET Applications

C#: A Beginner's Guide

for C#

Essential LINQ

Master C# Programming with a unique Hands-On Project (Updated for VS Community 2017) Have you always wanted to learn computer programming but are afraid it'll be too difficult for you? Or perhaps you know other programming languages but are interested in learning the C# language fast? This book is for you. You no longer have to waste your time and money learning C# from boring books that are 600 pages long, expensive online courses or complicated C# tutorials that just leave you more confused. What this book offers... C# for

Beginners Complex concepts are broken down into simple steps to ensure that you can easily master the C# language even if you have never coded before. Carefully Chosen C# Examples Examples are carefully chosen to illustrate all concepts. In addition, the output for all examples are provided immediately so you do not have to wait till you have access to your computer to test the examples. Careful selection of topics Topics are carefully selected to give you a broad exposure to C#, while not overwhelming you with information overload. These topics include object-oriented programming concepts, error handling techniques, file handling techniques and more. Learn The C# Programming Language Fast Concepts are presented in a "to-the-point" style to cater to the busy individual. With this book, you can learn C# in just one day and start coding immediately. How is this book different... The best way to learn C# is by doing. At the end of the book, you'll be guided through a unique project that requires the application of all the concepts taught previously. Working through the project will not only help you see how it all ties together, it'll also give you an immense sense of achievement and the exhilaration of turning lines of code into a finished product that you can be proud of! Are you ready to dip your toes into the exciting world of C# coding? This book is for you. Click the "Add to Cart" button to buy it now. What you'll learn: Introduction to C#- What is C#? - How to install and run Visual Studio Community 2015? Data types and Operators - What are the common data types in C#? - What are arrays and lists? - How to format C# strings - What is a value type vs reference type? - What are the common C# operators? Object Oriented Programming - What is object oriented programming? - How to write your own classes - What are fields, properties, methods and constructors? - What is encapsulation, inheritance and polymorphism? - What is an abstract class and interface? - What is an enum and struct? Controlling the Flow of a Program- What are condition statements? - How to use control flow statements in C# - What are jump statements? - How to handle errors and exceptions and Others...- How to accept user inputs and display outputs - How to use LINQ to save yourself from hours of work - How to work with external files ...and so much more.... Finally, you'll be guided through a hands-on project that requires the application of all the topics covered. Click the BUY button at the top of this page now to start learning C#. Learn it fast and learn it well.

Completely updated for C# 6.0, the new edition of this bestseller offers more than 150 code recipes to common and not-so-common problems that C# programmers face every day. More than a third of the recipes have been rewritten to take advantage of new C# 6.0 features. If you prefer solutions to general C# language instruction and quick answers to theory, this is your book. C# 6.0 Cookbook offers new recipes for asynchronous methods, dynamic objects, enhanced error handling, the Roslyn compiler, and more. Here are some of topics covered: Classes and generics Collections, enumerators, and iterators Data types LINQ and Lambda expressions Exception handling Reflection and dynamic programming Regular expressions Filesystem interactions Networking and the Web XML usage Threading, Synchronization, and Concurrency Each recipe in the book includes tested code that you can download from oreilly.com and reuse in your own applications, and each one includes a detailed discussion of how and why the underlying technology works. You don't have to be an experienced C# or .NET developer to use C# 6.0 Cookbook. You just have to be someone who wants to solve a problem now, without having to learn all the related theory first.

“Charlie and Dinesh bring important skills to this project that enable them to show how LINQ works and the practical ways you can use it in your daily development process.” From the Foreword by Anders Hejlsberg LINQ is one of Microsoft’s most exciting, powerful new development technologies. Essential LINQ is the first LINQ book written by leading members of Microsoft’s LINQ and C# teams. Writing for architects, developers, and development managers, these Microsoft insiders share their intimate understanding of LINQ, revealing new patterns and best practices for getting the most out of it. Calvert and Kulkarni begin by clearly explaining how LINQ resolves the long-time “impedance mismatch” between object-oriented code and relational databases. Next, they show how LINQ integrates querying into C# as a “first-class citizen.” Using realistic code examples, they show how LINQ provides a strongly typed, IntelliSense-aware technology for working with data from any source, including SQL databases, XML files, and generic data structures. Calvert and Kulkarni carefully explain LINQ’s transformative, composable, and declarative capabilities. By fully illuminating these three concepts, the authors allow developers to discover LINQ’s full power. In addition to covering core concepts and hands-on LINQ development in C# with LINQ to

Objects, LINQ to XML, LINQ to SQL, and LINQ to Entities, they also present advanced topics and new LINQ implementations developed by the LINQ community. This book

- Explains the entire lifecycle of a LINQ project: design, development, debugging, and much more
- Teaches LINQ from both a practical and theoretical perspective
- Leverages C# language features that simplify LINQ development
- Offers developers powerful LINQ query expressions to perform virtually any data-related task
- Teaches how to query SQL databases for objects and how to modify those objects
- Demonstrates effective use stored procedures and database functions with LINQ
- Shows how to add business logic that reflects the specific requirements of your organization
- Teaches developers to create, query, and transform XML data with LINQ
- Shows how to transform object, relational, and XML data between each other
- Offers best patterns and practices for writing robust, easy-to-maintain LINQ code

Professional LINQ introduces experienced programmers and database developers to LINQ database queries in their native VB and C# languages. Some of the topics covered include:

- LINQ Queries
- LINQ and the Standard Query Operators
- Programming with X.Linq
- Querying XML with X.Linq
- Mixing XML and other data models
- D.Linq and Queries
- LINQ over datasets

Interoperating with ADO.NET LINQ and ASP.NET

Linq for Beginners

Concepts, Designs, and Implementations

Learn C# in One Day and Learn It Well

.Net 4.0 Generics Beginner's Guide

Pro LINQ in VB8

Essential Skills--Made Easy! C#: A Beginner's Guide offers a step-by-step approach to learning object-oriented programming with C# and the .NET Framework while preparing you for data driven-development. More than 150 easy-to-follow examples are included. The book covers Visual Studio for development and debugging, collections and advanced C# structures, LINQ and traditional database development, as well as file, XML, and JSON handling. By the end of the book, you'll have the foundation you need to begin developing advanced data-driven applications in any C#-based platform. Designed for Easy Learning Key Skills & Concepts--Chapter-opening lists of specific skills covered in the chapter Try This--Hands-on exercises that show you how to apply your skills Notes--Extra information related to the topic being covered Tips--Helpful reminders or alternate ways of doing things Cautions--Errors and pitfalls to avoid Self Test--End-of-chapter quizzes to reinforce your skills Example code with commentary that describes the programming techniques being illustrated Ready-to-use code at www.mhprofessional.com

This updated and expanded second edition of Book provides a user-friendly introduction to the subject, Taking a clear structural framework, it guides the

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reader through the subject's core elements, which can be used as a learning material for students pursuing their studies in undergraduate and graduate levels in universities and colleges and those who want to learn the topic via a short and complete resource. We hope you find this book useful in shaping your future career.

This is a concise, practical guide that will help you learn Generics in .NET, with lots of real world and fun-to-build examples and clear explanations. It is packed with screenshots to aid your understanding of the process. This book is aimed at beginners in Generics. It assumes some working knowledge of C#, but it isn't mandatory. The following would get the most use out of the book: Newbie C# developers struggling with Generics. Experienced C++ and Java Programmers who are migrating to C# and looking for an alternative to other generic frameworks like STL and JCF would find this book handy. Managers who want to know what Generics is and how to put it to good use. Architects will find the benchmarking extremely useful, because it's the first of its kind across a framework of several collections.

Are you searching for a coding language that will work for you? Do you want to create your own website of desktop applications? If so, C# is the right choice for you. When it comes to programming and choosing a coding language there are so many on the market that the beginner is faced with a bewildering choice and it can appear that they all do much the same job. But if creating visually elegant and functional applications is what you want, then C# is the one for you. Now, with C#: 2 books in 1 - The Ultimate Beginner's & Intermediate Guide to Learn C# Programming Step by Step, even a complete beginner can start to understand and develop programs and increase his knowledge with it through chapters on: Book 1 • What C# is • An overview of the features • Program structure and basic syntax • Working with variables • The conditional statements • C# methods • 7 data types supported by C# • Accurate use of operators and conditional statements • Proper use of arrays, structures, and encapsulations • And lots more... Book 2 • How C# was conceived and where it came from • C# interfaces and how to use them • Advanced decision statements and flow control • The different functions that are available • An introduction to garbage collections • Asynchronous programming and what it does • And much more... Book 3 • An insight into advanced C# languages • Dealing with unary and binary operators overload • Simple ways to fix name clashes • How to create and apply custom attributes • The benefits of CIL and dynamic assemblies • Graphics rendering made easy • The purpose and uses for NET core With the information contained in this book you could be on your way to learning how this guide can develop and expand on your programming knowledge and lead you to exciting new discoveries in this fascinating subject. This book will help you take the next step up from the basics of C# quickly and seamlessly. Get a copy now and begin your journey to a better and simpler world of programming.

Essential C# 3.0

C#: A Beginner's Tutorial, Second Edition

LINQ For Dummies

Beginning Microsoft SQL Server 2008 Programming

Language Integrated Query in VB 2008

Oracle Database Programming with Visual Basic.NET Discover a detailed treatment of the practical considerations and applications of Oracle database programming with Visual Basic 2019 Oracle Database Programming with Visual Basic.NET: Concepts, Designs, and Implementations delivers a comprehensive exploration of the foundations of Oracle database programming using Visual Basic.NET. Using Visual Basic.NET 2019, Visual Studio.NET 2019, and Oracle 18c XE, the book introduces the Oracle database development system, Oracle SQL

Developer and Modeler, and teaches readers how to implement a sample database solution. The distinguished author also demonstrates the use of dotConnect for Oracle to show readers how to create an effective connection to an Oracle 18c XE database. The current versions of the .NET framework, ASP.NET, and ASP.NET 4.7 are also explored and used to offer readers the most up to date web database programming techniques available today. The book provides practical example projects and detailed, line-by-line descriptions throughout to assist readers in the development of their database programming skill. Students will also benefit from the inclusion of: A thorough introduction to databases, including definitions, examples, descriptions of keys and relationships, and some database components in popular databases, like Access, SQL, and Oracle An exploration of ADO.NET, including its architecture and components, like the DataReader class, DataSet component, DataTable component, and the command and parameter classes A discussion of Language Integrated Query (LINQ), including its architecture and components, its relationship to objects, DataSet, Oracle, and Entities An explanation of how to access data in ASP.NET and ASP.NET Web Services with multiple real project examples. Perfect for college and university students taking courses related to database programming and applications, Oracle Database Programming with Visual Basic.NET will also earn a place in the libraries of programmers and software engineers seeking a comprehensive reference for database coding in Visual Basic.NET.

This title is one of the "For Beginners" IT Books published by TechNet Publications Limited. This Book is a very helpful practical guide for beginners in the topic, which can be used as a learning material for students pursuing their studies in undergraduate and graduate levels in universities and colleges and those who want to learn the topic via a short and complete resource. We hope you find this book useful in shaping your future career.

Build SOA applications on the Microsoft platform with this hands-on book and eBook guide updated for VS2010. Designed as a beginner's tutorial to the latest version of C#, this informative guide discusses the most important features of the language and teaches how to use .NET Framework. Written with clarity and readability in mind, it introduces important programming concepts and explains the process of building real-world applications, both desktop and web-based. With the most comprehensive coverage possible in a book for beginners, it includes such topics as C# language syntax, object-oriented programming, working with numbers and dates, error handling, input output, generics, annotations, LINQ, lambda expressions and WPF.

Oracle Database Programming with Visual Basic.NET

Get up and running with C# 7 with async main, tuples, pattern matching, LINQ, regex, indexers, and more

3 books in 1 - The Ultimate Beginners, Intermediate and Expert Guide to Master C# Programming

C# for Beginners with Hands-On Project

LINQ Pocket Reference

Take your LINQ programming skills to the top tier. Resolve data format impedance mismatch with guidance from a C# expert and Microsoft MVP. LINQ Programming details cutting-edge techniques to effectively assimilate XML, SQL, ADO.NET, and unstructured data sources. Build powerful LINQ queries, handle hierarchical and relational data, use lambdas and expression trees, and develop multi-threaded applications. Get proven strategies for handling conflicts and exceptions and creating custom extension methods. Additionally, you'll learn how to create your own LINQ provider through a working example, LINQ to Twitter. Filter, order, and group code using LINQ to Objects. Query relational and unstructured data with LINQ to SQL and LINQ to XML. Work with ADO.NET through LINQ to DataSet. Deploy object-oriented programming techniques and LINQ to Entities. Read, manipulate, and create C#-based XML documents. Generate DBML and external mapping files with SqlMetal. Create custom lambdas, expressions, providers, and extensions. Support concurrent processing and multi-threading using PLINQ. Build a custom LINQ provider for working with any data source.

This guide has the detail needed to grasp Microsoft's new querying technology, and concise explanations to help users learn it quickly. For those already applying LINQ, the book serves as an on-the-job reference.

If you've asked yourself "Why can't I develop database and XML queries in a language I already know?", then Language INtegrated Query, or LINQ, is for you. LINQ For Dummies introduces you to LINQ and the .NET Framework technologies, so you can use LINQ to query any object, any data set, any kind of XML, and SQL Server—no questions asked. This plain-English guide gives you a thorough overview of LINQ, from understanding the tasks it performs to making LINQ work with both Visual Basic and Visual Studio 2005. It explains the four LINQ providers in the .NET Framework, the easiest ways to go about accessing data, and how to write more efficient applications with less code using LINQ. There's also clear guidance on combining third-party providers with LINQ to create even more powerful apps. With this single, comprehensive guide, you'll discover how to: Use one query language with all Microsoft languages. Examine .NET language extensions and work with extension methods, partial methods, lambda expressions, and query expressions. LINQ to DataSet operators, SQL server operations, XML API, or Active Directory. Deal with databases — download and install the Northwind database, generate Northwind entity classes, and create the Northwind XML mapping file. Create the partial class example, the partial method example, and the database modification example. Use objects with LINQ Query.

databases in Visual Basic and C# As an added bonus, you can visit the companion Web site for LINQ examples in C# and Visual Basic. With LINQ For Dummies, you'll link up with LINQ in no time and see how you can query almost anything! Note: CD-ROM/DVD and other supplementary materials are not included as part of eBook file.

Dig into LINQ -- and transform the way you work with data. With LINQ, you can query data from a variety of sources -- including databases, objects, and XML files -- directly from Microsoft Visual Basic or C#. Guided by data-access experts who've worked in depth with LINQ and the Microsoft development teams, you'll learn how .NET Framework 4 implements LINQ, and how to exploit it. Clear examples show you how to deliver your own data-access solutions faster and with leaner code. Discover how to: Use LINQ to query databases, object collections, arrays, XML, Microsoft Excel files, and other sources Apply LINQ best practices to build data-enabled .NET applications and services Manipulate data in a relational database with ADO.NET Entity Framework or LINQ to SQL Read, write, and manage XML content more efficiently with LINQ to XML Extend LINQ to support additional data sources by creating custom operators and providers Examine other implementations, such as LINQ to SharePoint Use LINQ within the data, business, and service layers of a distributed application Get code samples on the Web
LINQ in Action

Programming Microsoft LINQ in .NET Framework 4

Beginning C# Object-Oriented Programming

Beginning Visual C# 2012 Programming

Programming Reactive Extensions and LINQ

LINQ represents a paradigm shift for developers used to an imperative/object oriented programming style, because LINQ draws on functional programming principles. Thinking in LINQ addresses the differences between these two by providing a set of succinct recipes arranged in several groups, including: Basic and extended LINQ operators Text processing Loop refactoring Monitoring code health Reactive Extensions (Rx.NET) Building domain-specific languages Using the familiar "recipes" approach, Thinking in LINQ shows you how to approach building LINQ-based solutions, how such solutions are different from what you already know, and why they're better. The recipes cover a wide range of real-world problems, from using LINQ to replace existing loops, to writing your own Swype-like keyboard entry routines, to finding duplicate files on your hard drive. The goal of these recipes is to get you "thinking in LINQ," so you can use the techniques in your own code to write more

efficient and concise data-intensive applications.

Pro Reactive Extensions and LINQ is a deep dive into the next important technology for .NET developers: **Reactive Extensions**. This in-depth tutorial goes beyond what is available anywhere else to teach how to write **WPF, Silverlight, and Windows Phone** applications using the **Reactive Extensions (Rx)** to handle events and asynchronous method calls. Reactive programming allows you to turn those aspects of your code that are currently imperative into something much more event-driven and flexible. For this reason, it's sometimes referred to as **LINQ for Events**. Reactive programming hinges on the concept of the observable collection, as opposed to the simple enumerable collection with which we're all familiar. For example, to extract data from a collection and add it to a list box, you would traditionally iterate through the list box, extracting each object in turn. This approach works fine, but it requires significant knowledge about the data you're working with, which can be limiting. In Rx programming, you're instead informed about each object in turn and then free to react to each notification however you like, which affords much greater flexibility. This book shows you how reactive programming can be applied to a range of situations—from WPF applications to Windows Phone apps—to improve coding efficiency and boost performance.

Learn to use **LINQ** to simplify the process of coding and querying in **C#**. **LINQ** will guide you through the process, from conceptual understanding to practical implementation. With the help of author **Jason Roberts**, you will be streamlining your coding and querying practices in no time. This updated and expanded second edition of **Book** provides a user-friendly introduction to the subject, Taking a clear structural framework, it guides the reader through the subject's core elements. A flowing writing style combines with the use of illustrations and diagrams throughout the text to ensure the reader understands even the most complex of concepts. This succinct and enlightening overview is a required reading for all those interested in the subject. We hope you find this book useful in shaping your future career & Business.

Essential Skills--Made Easy! Let master programmer and bestselling author **Herb Schildt** teach you the fundamentals of **C#**, Microsoft's premier programming language for the .NET Framework. You'll begin by learning to create, compile, and run a **C#** program. Then it's on to data types, operators, control statements, methods, classes, and objects. You'll also learn about inheritance, interfaces, properties, indexers, exceptions, events, namespaces, generics, and much more. Of course, new **C# 3.0** features, such as **LINQ**, lambda expressions, and anonymous types, are included. Start programming in **C# 3.0** today with help from this fast-paced, hands-on tutorial. Designed for **Easy Learning: Key Skills & Concepts--Lists of specific skills covered in the chapter Ask the Expert--Q&A sections filled with bonus information and helpful tips Try This--Hands-on exercises that show how to apply your skills Notes--Extra information related to the topic being covered Self-**

Tests--Chapter-ending quizzes to test your knowledge Annotated Syntax--Example code with commentary that describes the programming techniques being illustrated

C# 4.0 The Complete Reference

C# 6.0 Cookbook

SQL Server Database Programming with Visual Basic.NET

The Bulgarian C# Book

Professional Windows 7 Development Guide

The free book "Fundamentals of Computer Programming with C#" is a comprehensive computer programming tutorial that teaches programming, logical thinking, data structures and algorithms, problem solving and high quality code with lots of examples in C#. It starts with the first steps in programming and software development like variables, data types, conditional statements, loops and arrays and continues with other basic topics like methods, numeral systems, strings and string processing, exceptions, classes and objects. After the basics this fundamental programming book enters into more advanced programming topics like recursion, data structures (lists, trees, hash-tables and graphs), high-quality code, unit testing and refactoring, object-oriented principles (inheritance, abstraction, encapsulation and polymorphism) and their implementation the C# language. It also covers fundamental topics that each good developer should know like algorithm design, complexity of algorithms and problem solving. The book uses C# language and Visual Studio to illustrate the programming concepts and explains some C# / .NET specific technologies like lambda expressions, extension methods and LINQ. The book is written by a team of developers lead by Svetlin Nakov who has 20+ years practical software development experience. It teaches the major programming concepts and way of thinking needed to become a good software engineer and the C# language in the meantime. It is a great start for anyone who wants to become a skillful software engineer. The books does not teach technologies like databases, mobile and web development, but shows the true way to master the basics of programming regardless of the languages, technologies and tools. It is good for beginners and intermediate developers who want to put a solid base for a successful career in the software engineering industry. The book is accompanied by free video lessons, presentation slides and mind maps, as well as hundreds of exercises and live examples.

Download the free C# programming book, videos, presentations and other resources from <http://introprogramming.info>. Title: Fundamentals of Computer Programming with C# (The Bulgarian C# Programming Book) ISBN: 9789544007737 ISBN-13: 978-954-400-773-7 (9789544007737) ISBN-10: 954-400-773-3 (9544007733) Author: Svetlin Nakov & Co. Pages: 1132 Language: English Published: Sofia, 2013 Publisher: Faber Publishing, Bulgaria Web site: <http://www.introprogramming.info> License: CC-Attribution-Share-Alike Tags: free, programming, book, computer programming, programming fundamentals, ebook, book programming, C#, CSharp, C# book, tutorial, C# tutorial; programming concepts, programming fundamentals, compiler, Visual Studio, .NET, .NET Framework, data types, variables, expressions, statements, console, conditional statements, control-flow logic, loops, arrays, numeral systems, methods, strings, text processing, StringBuilder, exceptions, exception handling, stack trace, streams, files, text files, linear data structures, list, linked list, stack, queue, tree, balanced tree, graph, depth-first search, DFS, breadth-first search, BFS, dictionaries, hash tables, associative arrays, sets, algorithms, sorting algorithm, searching algorithms,

recursion, combinatorial algorithms, algorithm complexity, OOP, object-oriented programming, classes, objects, constructors, fields, properties, static members, abstraction, interfaces, encapsulation, inheritance, virtual methods, polymorphism, cohesion, coupling, enumerations, generics, namespaces, UML, design patterns, extension methods, anonymous types, lambda expressions, LINQ, code quality, high-quality code, high-quality classes, high-quality methods, code formatting, self-documenting code, code refactoring, problem solving, problem solving methodology, 9789544007737, 9544007733

What is this book about? Extensible Markup Language (XML) is a rapidly maturing technology with powerful real-world applications, particularly for the management, display, and organization of data. Together with its many related technologies it is an essential technology for anyone using markup languages on the web or internally. This book teaches you all you need to know about XML — what it is, how it works, what technologies surround it, and how it can best be used in a variety of situations, from simple data transfer to using XML in your web pages. It builds on the strengths of the first edition, and provides new material to reflect the changes in the XML landscape — notably SOAP and Web Services, and the publication of the XML Schemas

Recommendation by the W3C. What does this book cover? Here are just a few of the things this book covers: XML syntax and writing well-formed XML Using XML Namespaces Transforming XML into other formats with XSLT XPath and XPointer for locating specific XML data XML Validation using DTDs and XML Schemas Manipulating XML documents with the DOM and SAX 2.0 SOAP and Web Services Displaying XML using CSS and XSL Incorporating XML into tradition databases and n-tier architectures XLink and XPointer for linking XML and non-XML resources Who is this book for? Beginning XML, 2nd Edition is for any developer who is interested in learning to use XML in web, e-commerce or data-storage applications. Some knowledge of mark up, scripting, and/or object oriented programming languages is advantageous, but not essential, as the basis of these techniques are explained as required.

C#

Professional LINQ

LINQ Unleashed

Fundamentals of Computer Programming with C#

LINQ Programming