

# **MCSD Certification Toolkit (Exam 70 483): Programming In C**

## **MCSD Certification Toolkit (Exam 70-483)**

A perfectly crafted prep guide that prepares you for the MCSD 70-483 The MCSD 70-483 exam is the entry-level Microsoft certification exam for C# developers and this must-have resource offers essential coverage of the exam that will test your competency in C# programming. Each chapter covers one of the core subject domains that comprise the exam. Among the authors are experienced trainers who advised Microsoft on the development of its certification programs, affording them a unique understanding of both the objectives and what it takes to master them. This invaluable knowledge is passed to you so that you will not only be prepared to take the exam, but also become a better C# developer Features a step-by-step lab tutorial for each lesson covered in the book, encouraging you to practice what you've just learned in order to reinforce your learning Includes an accompanying website that includes more than 100 simulated test questions and answers Shares solutions to the hands-on labs presented in the book Contains complete sample code Offers a unique author approach that not only teaches you how to answer a set of exam questions but also provides you with an understanding of the underlying concepts and skills needed to succeed as a professional C# programmer MCSD Certification Toolkit is all you need to fully prepare for exam 70-483!

## **Exam Ref 70-483**

Prepare for Microsoft Exam 70-483--and help demonstrate your real-world mastery of programming in C#. Designed for experienced software developers ready to advance their status, Exam Ref focuses on the critical-thinking and decision-making acumen needed for success at the Microsoft Specialist level. Focus on the expertise measured by these objectives: Manage Program Flow Create and Use Types Debug Applications and Implement Security Implement Data Access This Microsoft Exam Ref: Organizes its coverage by exam objectives. Features strategic, what-if scenarios to challenge you.

## **WPF Programmer's Reference**

Build effective user interfaces with Windows Presentation Foundation Windows Presentation Foundation (WPF) is included with the Windows operating system and provides a programming model for building applications that provide a clear separation between the UI and business logic. Written by a leading expert on Microsoft graphics programming, this richly illustrated book provides an introduction to WPF development and explains fundamental WPF concepts. Packed with helpful examples, this reference progresses through a range of topics that gradually increase in their complexity. You'll quickly start building applications while you learn how to use both Expression Blend and Visual Studio to build UIs. In addition, the book addresses the needs of programmer who write the code behind the UI and shows you how operations can be performed using both XAML and C#. Topics Covered: Overview of WPF WPF in Visual Studio Expression Blend Common Properties Content Controls Layout Controls User Interaction Controls Two-Dimensional Drawing Controls Properties Pens and Brushes Events and Code-Behind Resources Styles and Property Triggers Event Triggers and Animation Templates Themes and Skins Printing Data Binding Commanding Transformations and Effects Documents Navigation-Based Applications Three-Dimensional Drawing Silverlight Even if you only have a minimal amount of experience, by the end of the book, you will be able to build dynamic and responsive user interfaces with WPF.

## A First Course in Artificial Intelligence

Stellar author team of Microsoft MVPs helps developers and administrators get the most out of Windows IIS 8. If you're a developer or administrator, you'll want to get thoroughly up to speed on Microsoft's new IIS 8 platform with this complete, in-depth reference. Prepare yourself to administer IIS 8 in not only commercial websites and corporate intranets, but also the mass web hosting market with this expert content. The book covers common administrative tasks associated with monitoring and managing an IIS environment--and then moves well beyond, into extensibility, scripted admin, and other complex topics. The book highlights automated options outside the GUI, options that include the PowerShell provider and AppCmd tool. It explores extensibility options for developers, including ISAPI and HTTPModules. And, it delves into security protocols and high availability/load balancing at a level of detail that is not often found in IIS books. Author team includes Microsoft MVPs and an IIS team member. Covers the management and monitoring of Microsoft Internet Information Services (IIS) 8 for administrators and developers, including MOF and MOM. Delves into topics not often included in IIS books, including using the PowerShell provider and AppCmd tool and other automated options, and extending IIS 8 with ISAPI or HTTPModules. Explores security issues in depth, including high availability/load balancing, and the Kerberos, NTLM, and PKI/SSL protocols. Explains how to debug and troubleshoot IIS Professional. Microsoft IIS 8 features a wealth of information gathered from individuals running major intranets and web hosting facilities today, making this an indispensable and real-world reference to keep on hand.

## Professional Microsoft IIS 8

C++/CLI in Action is a practical guide that will help you breathe new life into your legacy C++ programs. The book begins with a concise C++/CLI tutorial. It then quickly moves to the key themes of native/managed code interop and mixed-mode programming. You'll learn to take advantage of GUI frameworks like Windows Forms and WPF while keeping your native C++ business logic. The book also covers methods for accessing C# or VB.NET components and libraries.

## C++/ CLI In Action

Become a C# programmer—and have fun doing it! Start writing software that solves real problems, even if you have absolutely no programming experience! This friendly, easy, full-color book puts you in total control of your own learning, empowering you to build unique and useful programs. Microsoft has completely reinvented the beginning programmer's tutorial, reflecting deep research into how today's beginners learn, and why other books fall short. *Begin to Code with C#* is packed with innovations, from its "Snaps" prebuilt operations to its "Make Something Happen" projects. Whether you're a total beginner or you've tried before, this guide will put the power, excitement, and fun of programming where it belongs: in your hands! Easy, friendly, and you're in control! Learn how to...

- Get the free tools you need to create modern programs
- Work with 150 sample programs that illustrate important concepts
- Use the sample programs as starting points for your own programs
- Explore exactly what happens when a program runs
- Approach program development with a professional perspective
- Use powerful productivity shortcuts built into Microsoft Visual Studio
- Master classes, interfaces, methods, and other essential concepts
- Organize programs so they're easy to construct and improve
- Capture and respond to user input
- Store and manipulate many types of real-world data
- Create interactive games that are fun to play
- Build modern interfaces your users will love
- Test and debug your code—and avoid problems in the first place

## Begin to Code with C#

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

## **Fundamentals of Computer Programming with C#**

Presents lessons covering exam objectives, practice exercises, real-world scenarios, and practice exams on the accompanying CD-ROM.

## **Training Kit (Exam 70-462)**

DIVA comprehensive handbook of all the crucial information interior designers need to know on a daily basis. In the world of interior design, thousands of bits of crucial information are scattered across a wide array of sources. Color, Space, and Style collects the information essential to planning and executing interiors projects of all shapes and sizes, and distills it in a format that is as easy to use as it is to carry. Section 1, Fundamentals, provides a step-by-step overview of an interiors project, describing the scope of professional services, the project schedule, and the design and presentation tools used by designers. Section 2, Space, examines ways of composing rooms as spatial environments while speaking to functional and life-safety concerns. Section 3, Surface, identifies options in color, material, texture, and pattern, while addressing maintenance and performance issues. Section 4, Environments, looks at aspects of interior design that help create a specific mood or character, such as natural and artificial lighting, sound and smell. Section

5, Elements, describes the selection and specification of furniture and fixtures, as well as other components essential to an interior environment, such as artwork and accessories. Lastly, section 6, Resources, gathers a wealth of useful data, from sustainability guidelines to online sources for interiors-related research. Throughout Color, Space, and Style appear interviews with top practitioners drawn from across the field of interior design./div

## **Color, Space, and Style**

Lego robots! Mindstorms are sweeping the world and fans need to learn how to programme them Lego Mindstorms are a new generation of Lego Robots that can be manipulated using microcomputers, light and touch sensors, an infrared transmitter and CD-ROMs. Since Lego launched Lego Mindstorms in late 1998 sales have skyrocketed - with no sign of slowing down. Mindstorms have captured the imagination of adults and children alike, creating a subculture of Mindstorm enthusiasts around the world. The kits are now a staple part of engineering and computer science classes at many high profile Universities. Building Robots with Lego Mindstorms provides readers with a fundamental understanding of the geometry, electronics, engineering, and programming required to build your own robots. Mario and Giulio Ferrari are world-renowned experts in the field of Lego Mindstorms robotics, and in this book they share their unrivaled knowledge and expertise of robotics as well as provide a series of chapters detailing how to design and build the most exotic robots. Mario and Giulio also give detailed explanations of how to integrate Lego Mindstorms kits with other Lego programmable bricks such as Scout and Cybermaster, as well as with non-robotic Lego Technics models.

## **Building Robots With Lego Mindstorms**

Update your skill set for ES 6 and 7 with the ultimate JavaScript guide for pros Professional JavaScript for Web Developers is the essential guide to next-level JavaScript development. Written for intermediate-to-advanced programmers, this book jumps right into the technical details to help you clean up your code and become a more sophisticated JavaScript developer. From JavaScript-specific object-oriented programming and inheritance, to combining JavaScript with HTML and other markup languages, expert instruction walks you through the fundamentals and beyond. This new fourth edition has been updated to cover ECMAScript 6 and 7 (also known as ES2015 and ES2016) and the major re-imagination and departure from ES 5.1; new frameworks and libraries, new techniques, new testing tools, and more are explained in detail for the professional developer, with a practical focus that helps you put your new skills to work on real-world projects. The latest—and most dramatic—ES release is already being incorporated into JavaScript engines in major browsers; this, coupled with the rise in mobile web traffic increasing demand for responsive, dynamic web design, means that all web developers need to update their skills—and this book is your ideal resource for quick, relevant guidance. Get up to date with ECMAScript 6 and 7, new frameworks, and new libraries Delve into web animation, emerging APIs, and build systems Test more effectively with mocks, unit tests, functional tests, and other tools Plan your builds for future ES releases Even if you think you know JavaScript, new ES releases bring big changes that will affect the way you work. For a professional-level update that doesn't waste time on coding fundamentals, Professional JavaScript for Web Developers is the ultimate resource to bring you up to speed.

## **Professional JavaScript for Web Developers**

This new 7th edition of Pro C# 6.0 and the .NET 4.6 Platform has been completely revised and rewritten to reflect the latest changes to the C# language specification and new advances in the .NET Framework. You'll find new chapters covering all the important new features that make .NET 4.6 the most comprehensive release yet, including: A Refined ADO.NET Entity Framework Programming Model Numerous IDE and MVVM Enhancements for WPF Desktop Development Numerous updates to the ASP.NET Web APIs This comes on top of award winning coverage of core C# features, both old and new, that have made the previous editions of this book so popular. Readers will gain a solid foundation of object-oriented development

techniques, attributes and reflection, generics and collections as well as numerous advanced topics not found in other texts (such as CIL opcodes and emitting dynamic assemblies). The mission of this book is to provide you with a comprehensive foundation in the C# programming language and the core aspects of the .NET platform plus overviews of technologies built on top of C# and .NET (ADO.NET and Entity Framework, Windows Communication Foundation (WCF), Windows Presentation Foundation (WPF), ASP.NET (WebForms, MVC, WebAPI).). Once you digest the information presented in these chapters, you'll be in a perfect position to apply this knowledge to your specific programming assignments, and you'll be well equipped to explore the .NET universe on your own terms. What You Will Learn: Be the first to understand the .NET 4.6 platform and C# 6. Discover the ins and outs of the leading .NET technology. Learn from an award-winning author who has been teaching the .NET world since version 1.0. Find complete coverage of XAML, .NET 4.6 and Visual Studio 2015 together with discussion of the new Windows Runtime.

## **C# 6.0 and the .NET 4.6 Framework**

Winner of the Best Book Bejtlich Read in 2009 award! \"SQL injection is probably the number one problem for any server-side application, and this book is unequalled in its coverage.\" Richard Bejtlich, <http://taosecurity.blogspot.com/> SQL injection represents one of the most dangerous and well-known, yet misunderstood, security vulnerabilities on the Internet, largely because there is no central repository of information to turn to for help. This is the only book devoted exclusively to this long-established but recently growing threat. It includes all the currently known information about these attacks and significant insight from its contributing team of SQL injection experts. - What is SQL injection?-Understand what it is and how it works - Find, confirm, and automate SQL injection discovery - Discover tips and tricks for finding SQL injection within the code - Create exploits using SQL injection - Design to avoid the dangers of these attacks

## **SQL Injection Attacks and Defense**

Mastering .NET development is as much about understanding the functionality of the .NET Framework as it is about the syntax and grammar of your chosen language. Visual C# 2005 Recipes: A Problem-Solution Approach recognizes this fine balance. This book meets your need for fast, effective solutions to the difficulties you encounter in your coding projects. The recipes included in this book have been chosen and written with emerging pros in mind. The book features an equal balance of code and text. The supplied code gives you everything you need to solve the problem at hand, while the accompanying text provides supporting information. This is a fully up-to-date reference for .NET 2.0 programmers. All code comes as a stand-alone Visual Studio 2005 solution. The book even covers advanced concepts that take you past basic recipe solutions you'll be able to distill entire concepts and theories.

## **Business Management Practices**

ASP.NET 4 is the principal standard for creating dynamic web pages on the Windows platform. Pro ASP.NET 4 in C# 2010 raises the bar for high-quality, practical advice on learning and deploying Microsoft's dynamic web solution. This edition is updated with everything you need to master up to version 4 of ASP.NET, including coverage of ASP.NET MVC, ASP.NET AJAX 4, ASP.NET Dynamic Data, and Silverlight 3. Seasoned .NET professionals Matthew MacDonald and Mario Szpuszta explain how you can get the most from these groundbreaking technologies. They cover ASP.NET 4 as a whole, illustrating both the newer features and the functionality carried over from previous versions of ASP. This book will give you the knowledge you need to code real ASP.NET 4 applications in the best possible style.

## **Visual C# 2005 Recipes**

Which types of validity evidence should be considered when determining whether a scale is appropriate for a given measurement situation? What about reliability evidence? Using clear explanations illustrated by examples from across the social and behavioral sciences, this engaging text prepares students to make

effective decisions about the selection, administration, scoring, interpretation, and development of measurement instruments. Coverage includes the essential measurement topics of scale development, item writing and analysis, and reliability and validity, as well as more advanced topics such as exploratory and confirmatory factor analysis, item response theory, diagnostic classification models, test bias and fairness, standard setting, and equating. End-of-chapter exercises (with answers) emphasize both computations and conceptual understanding to encourage readers to think critically about the material. ÿ

## **Pro ASP.NET 4 in C# 2010**

Stealing the Network: How to Own the Box is NOT intended to be a \"install, configure, update, troubleshoot, and defend book.\" It is also NOT another one of the countless Hacker books out there. So, what IS it? It is an edgy, provocative, attack-oriented series of chapters written in a first hand, conversational style. World-renowned network security personalities present a series of 25 to 30 page chapters written from the point of an attacker who is gaining access to a particular system. This book portrays the \"street fighting\" tactics used to attack networks and systems.

## **Measurement Theory and Applications for the Social Sciences**

This book provides a step-by-step guide for developing an ASP.NET 3.5 application using the latest features in Visual Studio 2008. The Problem Design Solution series by Wrox is unique because it describes a large case study and builds an entire solution chapter by chapter for each incremental step. This book uses a wide variety of new features in Visual Studio 2008, explains each in detail, and produces a solution that you can use as a starting point for your own applications. If you are responsible for designing or developing enterprise-wide applications, departmental applications, portals, or any line of business application, then this book is for you. Many applications have a similar set of features, and this book builds an application with some of the most common features of enterprise applications. Let's face it: Every application has the same general set of features, but implemented in a different way. A database sits in the back end and you, as the developer, are responsible for enabling users to add, update, select, and delete records. If only it were that simple, no? The real development work starts when you sit with users and try to understand the business process and why they need a new or improved system in the first place. A lot of companies have departments that use Excel and Access wizards to create small systems that eventually become a lifeline for some part of the business. Usually something bad happens because of the nature of the tool they are using. Senior-level management is called in, project managers are hired, programmers are contracted, and the Project Management Office (PMO) is called to save the world. Suddenly this loosely defined process is high priority and people want documented standard operating procedures, audit reports, more productivity, less people, and of course a system that can do it all, which is where you come in. When you think about it, it's a pretty daunting task. You're expected to become an expert in someone else's business process, flaws and all, and create a system that the company will rely on as the backbone for their existence. OK, maybe I'm exaggerating just a little bit, but when you go looking for that raise you might want to phrase it that way. This book will give you the tools necessary to build a framework that can be extended to create a solution to solve your company's problems. The design pattern uses the normal three layers, the user interface (UI), the business logic layer (BLL), and the data access layer (DAL), but also builds the classes in each layer that encapsulate common business rules such as role-based security, workflow, reporting, dynamic menus, data entry, dynamic querying, notifications, exception handling, and auditing. As the book guides you through the complete solution, each business requirement is thoroughly examined and some of the latest enhancements in ASP.NET 3.5 and Visual Studio 2008 are used to implement them in a reusable framework. Enterprise applications are typically complex, and the teams that build enterprise applications come in all shapes and sizes. Some of the roles include a project sponsor, a project manager, business analysts, an architect, UI developers, middle-tier developers, database developers, and, if you're really lucky, testers. Just a side note: Users are not testers. If you ever have the pleasure of working with professional testers, you'll realize how important they are in the process, and how they truly are \"quality\" assurance engineers. Unfortunately, a lot of companies aren't willing to invest in professional testers, so the users and/or developers end up assuming

that role. This book is mainly focused on the architect and developers, but testers may find it valuable as well to help them understand the plumbing that goes into developing and architecting an enterprise application. This book is for the intermediate to senior level developer or system architect. It would be helpful if you have experience with Visual Studio, the .NET Framework, ASP.NET, and C# because that is what the samples are written in, but the design pattern could be used in any language. The book is focused on enterprise applications, but the pattern could be used for any type of application that has a web front end and connects to a database. The application framework built in this book provides a foundation that can be extended to meet the specific business needs of your organization. The sample application in this book is built using Visual Studio 2008, ASP.NET 3.5, C#, and SQL Server 2005. Each chapter goes into great detail, with plenty of code samples, and uses some of the new features in Visual Studio 2008 and the language enhancements in the .NET Framework 3.5. The solution includes examples for technologies such as LINQ to SQL, master pages, custom controls, GridViews, business objects, data objects, and Crystal Reports. Some of the language enhancements discussed include LINQ, extension methods, partial methods, automatic properties, anonymous types, lambda expressions, and object initializers. Of course, I realize that the code is what most developers are interested in, and each chapter provides numerous examples. The Problem Design Solution series is just that. Each chapter has three sections with a description of the problem to be addressed, the design considerations for choosing a solution for the problem, and the solution that ultimately addresses the problem. The solution includes the bulk of the code. Each chapter builds upon the previous chapter, and it is recommended that you read them in order. The base classes that are described in the first few chapters are critical to an understanding of the rest of the book. Later chapters build upon the base classes and extend their functionality in all three layers of the application.

## Stealing The Network

Implementing ERP Systems About This Book Solve common business problems with the valuable features and flexibility of Dynamics NAV Design software that is maintainable outside the ecosystem of their creators Create configuration packages and perform data migration on your own Who This Book Is For This book is for Dynamics NAV partners, developers, consultants, and end users who want to know everything about Dynamics NAV implementations and development. What You Will Learn Create reusable data migration packages Successfully upgrade your installation to the latest version Manage and expand your existing installation with additional functionalities Apply object-oriented practices to C/AL programming Refactor legacy code and avoid anti-patterns Build relationships with COM technologies Clone codes and their application in Dynamics NAV Automate deployment into Dynamics NAV In Detail Microsoft Dynamics NAV is an Enterprise Resource Planning (ERP) application used in all kinds of organizations around the world. It provides a great variety of functionality, out-of-the-box, in different topics such as accounting, sales, purchase processing, logistics, and manufacturing. Microsoft Dynamics NAV also allows companies to grow their applications by customizing solutions to meet specific requirements. This course is a hands-on tutorial on working with a real Dynamics NAV implementation. It begins by providing an insight into the different tools available to migrate data from client legacy systems into Microsoft Dynamics NAV. If you are already live with Microsoft Dynamics NAV, you will learn about upgrades and what to expect from them. We'll also show you how to implement additional or expanding functionalities within your existing Microsoft Dynamics NAV installation, perform data analysis, debug error messages, and implement free third-party add-ons to your existing installation. From here, you will be introduced to integrated development tools to make you a highly productive developer in the NAV environment. The course will serve as a comprehensive reference guide, complementing NAV's Help files. You will find this course really useful if you want to evaluate Microsoft Dynamics NAV's development capabilities or need to manage NAV-based projects. Additionally, you will also learn about the NAV application structure, the C/SIDE development environment, the C/AL language, the construction and uses of each object type, and how it all fits together. Moving on, you will be guided through the NAV way of solving problems. You will be introduced to patterns and the software NAV architecture and will then build an example application. Then, you will walk through the details of architectural patterns, design patterns, and implementation patterns and will also learn about anti-patterns and handling legacy code. You will learn how to build solutions using patterns. The course offers

premium, highly practical content on this recently released version of Dynamics NAV, and includes material from the following Packt books : Implementing Microsoft Dynamics NAV - Third Edition Programming Microsoft Dynamics™ NAV Learning Dynamics NAV Patterns Style and approach This course is for Dynamics NAV partners, developers, consultants, and end users who want to know everything about Dynamics NAV implementations and development.

## **ASP.NET 3.5 Enterprise Application Development with Visual Studio 2008**

Quickly learn to program in C# programming with this unique book and video package C# 24-Hour Trainer, 2nd Edition is your quick and easy guide to programming in C#, even if you have no programming experience at all. Updated to align with the latest C# standard, this book is your comprehensive beginner's guide, with each lesson supplemented by a video, for over ten hours of video training. Each chapter focuses on a specific concept or technique, with detailed, easy-to-follow explanation followed by a hands-on exercise. The goals of each exercise are outlined in advance to help you understand what you're working toward, and step-by-step instructions walk you through the operation from start to finish. Complex areas are clarified with specifically highlighted pointers that head off confusion, and additional exercises are provided so you can practice your new skills. Full instructor ancillaries are included to make this guide classroom ready, and the author's own website offers ongoing support. C# has become one of the most popular programming languages in the world, with millions of lines of code used in businesses and applications of all types and sizes. This book helps you dive right in so you can start programming right away. Start right in with the latest C# standard Learn at your own pace, with hands-on practice Clear up confusion and work around common obstacles Build your own Windows, .NET, and mobile applications C# has become a increasingly popular and in-demand programming skillsets. If you've decided to learn C#, this 24-Hour Trainer is your ultimate guide.

## **Microsoft Dynamics NAV**

This is an advanced undergraduate - or postgraduate - level text designed for courses in research methods and intermediate quantitative methods offered in departments of psychology, education, sociology and communication. Equally emphasizing the collection and analysis of research data, students should be able to plan an original study, collect and analyze data and report the results of the study in a professional manner.

## **C# 24-Hour Trainer**

Acquire necessary skills in preparing for Microsoft certification and enhance your software development career by learning the concepts of C# programming Key FeaturesPrepare for the certification using step-by-step examples, and mock tests with standard solutionsUnderstand the concepts of data security for secure programming with C#Learn to scale and optimize your application codebase using best practices and patternsBook Description Programming in C# is a certification from Microsoft that measures the ability of developers to use the power of C# in decision making and creating business logic. This book is a certification guide that equips you with the skills that you need to crack this exam and promote your problem-solving acumen with C#. The book has been designed as preparation material for the Microsoft specialization exam in C#. It contains examples spanning the main focus areas of the certification exam, such as debugging and securing applications, and managing an application's code base, among others. This book will be full of scenarios that demand decision-making skills and require a thorough knowledge of C# concepts. You will learn how to develop business logic for your application types in C#. This book is exam-oriented, considering all the patterns for Microsoft certifications and practical solutions to challenges from Microsoft-certified authors. By the time you've finished this book, you will have had sufficient practice solving real-world application development problems with C# and will be able to carry your newly-learned skills to crack the Microsoft certification exam to level up your career. What you will learnExplore multi-threading and asynchronous programming in C#Create event handlers for effective exception handlingUse LINQ queries for data serialization and deserializationManage filesystems and understand I/O operationsTest, troubleshoot,



and debug your C# programs Understand the objectives of Exam 70-483 and apply common solutions Who this book is for The book is intended to the aspirants of Microsoft certifications and C# developers wanting to become a Microsoft specialist. The book does not require the knowledge of C#, basic knowledge of software development concepts will be beneficial

## **Programming in HTML5 with JavaScript and CSS3**

"Your process may be agile, but are you building agility directly into the code base? This book teaches .NET programmers how to give code the flexibility to adapt to changing requirements and customer demands by applying cutting-edge techniques, including SOLID principles, design patterns, and other industry best practices. Understand why composition is preferable to inheritance and how flexible the interface really can be; gain deep knowledge of key design patterns and anti-patterns, when to apply them, and how to give their code agility; bridge the gap between the theory behind SOLID principles, design patterns, and industry best practices by pragmatically solving real-world problems; get code samples written in upcoming version of Microsoft Visual C#. Topics include: Agile with Scrum process; dependencies and layering; the interface; patterns and anti-patterns; introduction to SOLID principles, including open/closed and dependency interjection; and using application templates"--Publisher's description.

## **Essentials of Behavioral Research**

This essential classic provides a comprehensive foundation in the C# programming language and the framework it lives in. Now in its 10th edition, you will find the latest C# 9 and .NET 5 features served up with plenty of "behind the curtain" discussion designed to expand developers' critical thinking skills when it comes to their craft. Coverage of ASP.NET Core, Entity Framework Core, and more, sits alongside the latest updates to the new unified .NET platform, from performance improvements to Windows Desktop apps on .NET 5, updates in XAML tooling, and expanded coverage of data files and data handling. Going beyond the latest features in C# 9, all code samples are rewritten for this latest release. Dive in and discover why this book is a favorite of C# developers worldwide. Gain a solid foundation in object-oriented development techniques, attributes and reflection, generics and collections, and numerous advanced topics not found in other texts (such as CIL opcodes and emitting dynamic assemblies). With the help of Pro C# 9 with .NET 5 you will gain the confidence to put C# into practice, and explore the .NET universe and its vast potential on your own terms. What You Will Learn Explore C# 9 features and updates in records, immutable classes, init only setters, top-level statements, patterns, and more Hit the ground running with ASP.NET Core web applications and web services Embrace Entity Framework Core for building real-world, data-centric applications, with deeply expanded coverage new to this edition Develop applications with C# and modern frameworks for services, web, and smart client applications Understand the philosophy behind .NET Discover the new features in .NET 5, including single file applications and smaller container images, Windows ARM64 support, and more Dive into Windows Desktop Apps on .NET 5 using Windows Presentation Foundation Check out performance improvements included with updates to ASP.NET Core, Entity Framework Core, and internals like garbage collection, System.Text.Json, and container size optimization Who This Book Is For Developers who are interested in .NET programming and the C# language "Amazing! Provides easy-to-follow explanations and examples. I remember reading the first version of this book; this is a 'must-have' for your collection if you are learning .NET!" – Rick McGuire, Senior Application Development Manager, Microsoft "Phil is a journeyman programmer who brings years of experience and a passion for teaching to make this fully revised and modernized 'classic' a 'must-have'. Any developer who wants full-spectrum, up-to-date coverage of both the C# language and how to use it with .NET and ASP.NET Core should get this book." – Brian A. Randell, Partner, MCW Technologies and Microsoft MVP

## **Transforming Economies**

Prepare for Microsoft Certification Exam 70-483: Programming in C#. The "What, Why, and How" of each

concept is presented along with quick summaries, code challenges, and exam questions to review and practice key concepts. You will learn how to use: Lambda expressions to write LINQ query expressions Asynchronous programming with the Async and Await keywords to maximize performance of slow applications Regular expressions to validate user input Reflection to create and handle types at runtime and much more The source code in the book will be available in the form of iCanCSharp notebooks and scripts that allow you to try out examples and extend them in interesting ways. What You Will Learn Understand the necessary knowledge and skill set to prepare for Microsoft Exam 70-483 Study the code challenges and practice questions on C# that are relevant to the exam Master the C# programming language Who This Book Is For Experienced C# and .NET programmers and developers who are ready to take and pass the exam in order to get certified

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## **MCAD/MCSD Self-paced Training Kit**

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