# Programming In Objective C 2 0 Developers Library | 451a4211a54e24db7ac02e05813b9958

Programming in Objective-CProgramming in Objective-C 2.0Learning Objective-C 2.0Beginning Objective CProgramming in Objective-C 2. 0 LivelessonsLearning Cocoa with Objective-CArtificial Intelligence with PythonObjective-C Quick Syntax ReferenceProgramming IOS 6Effective Objective-C 2.0Programming in Objective-CIOS 7 Programming CookbookBeginning iPhone SDK Programming with Objective-CiPhone ProgrammingObjective-C Programmer's ReferenceEffective Objective-C 2.0Beginning Objective CIOS App Development for Non-Programmers - Book 1Learn Objective-C for Java DevelopersObjective-CObjective-c SuccinctlyProgramming in Objective-C 2.0Objective-C ProgrammingDomain-driven DesignObjective-C 2. 0 EssentialsLearning iPhone Programming100 Statements about Programming in Objective-C 2. 0 That Almost Killed My HamsterLearn Objective-C on the MacProgramming in Objective-CBuilding Cocoa ApplicationsAdvanced Programming in Objective-CLearning Objective-C 2.0High Performance IOS AppsObjective-C for Absolute BeginnersCocoa and Objective-C: Up and RunningProgramming in Objective-CIOS App Development for Non-Programmers - Book 2Objective-C FundamentalsObjective-C ProgrammingObjective-C For Dummies

## Programming in Objective-C

In this book, we have hand-picked the most sophisticated, unanticipated, absorbing (if not at times crackpot!), original and musing book reviews of "Programming in Objective-C 2.0." Don't say we didn't warn you: these reviews are known to shock with their unconventionality or intimacy. Some may be startled by their biting sincerity; others may be spellbound by their unbridled flights of fantasy. Don't buy this book if: 1. You don't have nerves of steel. 2. You expect to get pregnant in the next five minutes. 3. You've heard it all.

## Programming in Objective-C 2.0

Ready to build mobile apps that out-perform the rest? If you're an iOS developer with app-building experience, this practical guide provides tips and best practices to help you solve many common performance issues. You'll learn how to design and optimize iOS apps that deliver a smooth experience even when the network is poor and memory is low. Today's picky users want fast and responsive apps that don't hog resources. In this book, author Gaurav Vaish demonstrates methods for writing optimal code from an engineering perspective, using reusable Objective-C code that you can use right away. Up your game and create high-performance native iOS apps that truly stand out from the crowd. Measure key performance indicators—attributes that constitute and affect app performance Write efficient apps by minimizing memory and power consumption, and explore options for using available CPU cores Optimize your app's lifecycle and UI, as well as its networking, data sharing, and security features Learn about application testing, debugging and analysis tools, and monitoring your app in the wild Collect data from real users to analyze app usage, identify bottlenecks, and provide fixes Use iOS 9 upgrades to improve your app's performance

## Learning Objective-C 2.0

The Objective-C Quick Syntax Reference is a condensed code and syntax reference to the popular Objective-C programming language, which is the core language behind the APIs found in the Apple iOS and Mac OS SDKs. It presents the essential Objective-C syntax in a well-organized format that can be used as a handy reference. You won't find any technical jargon, bloated samples, drawn out history lessons, or witty stories in this book. What you will find is a language reference that is concise, to the point and highly accessible. The book is packed with useful information and is a must-have for any Objective-C programmer. In the Objective-C Quick Syntax Reference, you will find: A concise reference to the Objective-C language syntax. Short, simple, and focused code examples. A well laid out table of

contents and a comprehensive index allowing easy review. What you'll learnHow to create an Objective-C HelloWorld How to compile and run What are the Objective-C code class definitions How to use objects in Objective-C How to effectively use categories to extend the various classes What is key-value observation How to archive an object graph How to implement the delegation design pattern with protocols How to master code blocks and much more Who this book is for This book is a quick, handy pocket syntax reference for experienced Objective-C, Mac, and iOS programmers, and a concise, easily-digested introduction for other programmers new to Objective-C. Table of Contents1. Hello World 2. Build and Run 3. Variables 4. Operators 5. Objects 6. Strings 7. Numbers 8. Arrays 9. Dictionaries 10. For Loops 11. While Loops 12. Do While Loops 13. For-Each Loops 14. If-Statements 15. Switch Statements 16. Defining Classes 17. Class Methods 18. Inheritance 19. Categories 20. Blocks 21. Key-Value Coding 22. Key-Value Observing 23. Protocols 24. Implementing Delegation 25. Implementing Singleton 26. Error Handling

## Beginning Objective C

Build solid applications for Mac OS X, iPhone, and iPod Touch, regardless of whether you have basic programming skills or years of programming experience. With this book, you'll learn how to use Apple's Cocoa framework and the Objective-C language through step-by-step tutorials, hands-on exercises, clear examples, and sound advice from a Cocoa expert. Cocoa and Objective-C: Up and Running offers just enough theory to ground you, then shows you how to use Apple's rapid development tools -- Xcode and Interface Builder -- to develop Cocoa applications, manage user interaction, create great UIs, and more. You'll quickly gain the experience you need to develop sophisticated Apple software, whether you're somewhat new to programming or just new to this platform. Get a quick hands-on tour of basic programming skills with the C language Learn how to use Interface Builder to quickly design and prototype your application's user interface Start using Objective-C by creating objects and learning memory management Learn about the Model-View-Controller (MVC) method of sharing data between objects Understand the Foundation value classes, Cocoa's robust API for storing common data types Become familiar with Apple's graphics frameworks, and learn how to make custom views with AppKit

## Programming in Objective-C 2. 0 Livelessons

Objective-C Programmer's Reference provides the tools necessary to write software in Objective-C the language of choice for developing iOS and OS X applications. Author Carlos Oliveira begins from the basic building blocks of the language. He shows how to create correct and efficient applications by applying your knowledge of object-oriented and structured programming. This book: Takes you quickly through fundamental concepts such as interfaces and class implementations. Provides a concise reference to the Foundation Framework that is all-important when programming in Objective-C. Highlights key differences between Objective-C and other popular languages such as Java or Python. Provides the fundamentals of Cocoa and Cocoa Touch, which are the standard for OS X and iOS development. Objective-C Programmer's Reference makes extensive use of concepts already mastered by developers who are fluent in other languages such as C++, Java, Perl, and Python. The author's approach is logical and structured, and even novice developers will have an easy time absorbing the most important topics necessary to program in Objective-C. Objective-C Programmer's Reference is a book for professional developers in Objective-C, or those who are moving to Objective-C from other languages. The book is written for readers who lack the time to invest in more traditional books, which usually spend hundreds of pages to explain concepts that are part of the working programmer's standard vocabulary. What you'll learn Grasp the basic syntax of the Objective-C language. Create classes and methods in Objective-C. Apply Objective-C's message-passing mechanism to simplify your code and avoid deep class hierarchies. Store and access dynamic data through Objective-C's built-in, key-value system. Make effective use of container classes such as arrays and dictionaries with their immutable and mutable versions. Create simple applications for iPhones, iPads, Macbooks, and other iOS and Mac OS X devices. Who this book is for Objective-C Programmer's Reference is for programmers in Objective-C who are looking for a handy reference to keep them on top of their game. The book is also designed for programmers moving to Objective-C

from some other language, especially from another C-like language such as Java or C#, providing just that additional bit that is needed to transfer their expertise into Objective-C and get a leg up on creating applications for the iOS and OS X platforms underlying Apple's hugely successful devices such as the iPhone, iPad, and Macbook. Table of ContentsPart I: The Language 1. The C in Objective-C 2. Classes 3. Strings and Container Classes 4. Protocols and Categories 5. Inheritance 6. Block Syntax 7. Dynamic Binding 8. Memory Management 9. Key-Value Programming 10. The Filesystem Part II: Reference 11. The Foundation Framework Part III: The Tools 12. The Compiler 13. The Preprocessor 14. Unit Test 15. Debugging Part IV: Writing Apps for OS X and iOS 16. Cocoa Framework Example 17. Cocoa Touch Example

## Learning Cocoa with Objective-C

Learn to write apps for some of today's hottest technologies, including the iPhone and iPad (using iOS), as well as the Mac (using OS X). It starts with Objective-C, the base language on which the native iOS software development kit (SDK) and the OS X are based. Learn Objective-C on the Mac: For OS X and iOS, Second Edition updates a best selling book and is an extensive, newly updated guide to Objective-C. Objective-C is a powerful, object-oriented extension of C, making this update the perfect follow-up to Dave Mark's bestselling Learn C on the Mac. Whether you're an experienced C programmer or you're coming from a different language such as C++ or Java, leading Mac experts Scott Knaster and Waqar Malik show how to harness the power of Objective-C in your apps! A complete course on the basics of Objective-C using Apple's newest Xcode tools An introduction to object-oriented programming Comprehensive coverage of new topics like blocks, GCD, ARC, class extensions, as well as inheritance, composition, object initialization, categories, protocols, memory management, and organizing source files An introduction to building user interfaces using what is called the UIKit A primer for non-C programmers to get off the ground even faster

## Artificial Intelligence with Python

Includes a detachable visual reference guide sheet for Xcode 5 in back of book.

## Objective-C Quick Syntax Reference

This is a step-by-step guide to developing applications for Apple's Mac OS X.It describes how to build object-oriented apps using Cocoa.

## Programming IOS 6

Learning Cocoa with Objective-C is the "must-have" book for people who want to develop applications for Mac OS X, and is the only book approved and reviewed by Apple engineers. Based on the Jaguar release of Mac OS X 10.2, this edition of Learning Cocoa includes examples that use the Address Book and Universal Access APIs. Also included is a handy quick reference card, charting Cocoa's Foundation and AppKit frameworks, along with an Appendix that includes a listing of resources essential to any Cocoa developer--beginning or advanced.Completely revised and updated, this 2nd edition begins with some simple examples to familiarize you with the basic elements of Cocoa programming as well Apple's Developer Tools, including Project Builder and Interface Builder.After introducing you to Project Builder and Interface Builder, it brings you quickly up to speed on the concepts of object-oriented programming with Objective-C, the language of choice for building Cocoa applications. From there, each chapter presents a different sample program for you to build, with easy to follow, step-by-step instructions to teach you the fundamentals of Cocoa programming. The techniques you will learn in each chapter lay the foundation for more advanced techniques and concepts presented in later chapters.You'll learn how to: Effectively use Apple's suite of Developer Tools, including Project Builder and Interface Builder Build single- and multiple-window document-based applications Manipulate text data using Cocoa's text handling capabilities Draw with Cocoa Add scripting functionality to your applications Localize your application for multiple language support Polish

off your application by adding an icon for use in the Dock, provide Help, and package your program for distribution Each chapter ends with a series of Examples, challenging you to test your newly-learned skills by tweaking the application you've just built, or to go back to an earlier example and add to it some new functionality. Solutions are provided in the Appendix, but you're encouraged to learn by trying.Extensive programming experience is not required to complete the examples in the book, though experience with the C programming language will be helpful. If you are familiar with an object-oriented programming language such as Java or Smalltalk, you will rapidly come up to speed with the Objective-C language. Otherwise, basic object-oriented and language concepts are covered where needed.

## Effective Objective-C 2.0

"Programming in Objective-C 2.0 LiveLessons is the world's first complete video training course on the basics of Objective-C, the programming language at the heart of Mac OS X and iPhone development. Bestselling author and trainer Stephen G. Kochan provides the new programmer with a step-by-step, hands-on introduction to the Objective-C language and the fundamentals of object-oriented programming. The course does not assume any previous programming experience, and includes many detailed, practical examples of how to put Objective-C to use in everyday programming tasks."--Resource description page.

## Programming in Objective-C

You have a great idea for an app, but where do you begin? Objective-C is the universal language of iPhone, iPad, and Mac apps, and Objective-C for Absolute Beginners, Second Edition starts you on the path to mastering this language and its latest release. Using a hands-on approach, you'll learn how to think in programming terms, how to use Objective-C to construct program logic, and how to synthesize it all into working apps. Gary Bennett, an experienced app developer and trainer, will guide you on your journey to becoming a successful app developer. If you're looking to take the first step towards App Store success, Objective-C for Absolute Beginners is the place to start.

## IOS 7 Programming Cookbook

THE #1 BESTSELLING BOOK ON OBJECTIVE-C 2.0 Programming in Objective-C 2.0 provides the new programmer a complete, step-by-step introduction to Objective-C, the primary language used to develop applications for the iPhone, iPad, and Mac OS X platforms. The book does not assume previous experience with either C or object-oriented programming languages, and it includes many detailed, practical examples of how to put Objective-C to use in your everyday iPhone/iPad or Mac OS X programming tasks. A powerful yet simple object-oriented programming language that's based on the C programming language, Objective-C is widely available not only on OS X and the iPhone/iPad platform but across many operating systems that support the gcc compiler, including Linux, Unix, and Windows systems. The second edition of this book thoroughly covers the latest version of the language, Objective-C 2.0. And it shows not only how to take advantage of the Foundation framework's rich built-in library of classes but also how to use the iPhone SDK to develop programs designed for the iPhone/iPad platform. Table of Contents 1 Introduction Part I: The Objective-C 2.0 Language 2 Programming in Objective-C 3 Classes, Objects, and Methods 4 Data Types and Expressions 5 Program Looping 6 Making Decisions 7 More on Classes 8 Inheritance 9 Polymorphism, Dynamic Typing, and Dynamic Binding 10 More on Variables and Data Types 11 Categories and Protocols 12 The Preprocessor 13 Underlying C Language Features Part II: The Foundation Framework 14 Introduction to the Foundation Framework 15 Numbers, Strings, and Collections 16 Working with Files 17 Memory Management 18 Copying Objects 19 Archiving Part III: Cocoa and the iPhone SDK 20 Introduction to Cocoa 21 Writing iPhone Applications Part IV: Appendixes A Glossary B Objective-C 2.0 Language Summary C Address Book Source Code D Resources

## Beginning iPhone SDK Programming with Objective-C

## iPhone Programming

Programming in Objective-C is a concise, carefully written tutorial on the basics of Objective-C and object-oriented programming for the iOS and Mac platforms. The book makes no assumptions about prior experience with object-oriented programming languages or with the C language (which Objective-C is based upon). Because of this, both beginners and experienced programmers alike can use this book to quickly and effectively learn the fundamentals of Objective-C. Readers can also learn the concepts of object-oriented programming without having to first learn all of the intricacies of the underlying procedural language (C). This unique approach to learning, combined with many small program examples and exercises at the end of each chapter, makes Programming in Objective-C ideally suited for either classroom use or self-study. While the Objective-C language itself has gone through relatively minor changes since the introduction of Objective-C 2.0, the Apple development tools that programmers use for Objective-C development on the Mac and on iOS have changed significantly in a very short period of time. The third edition of Programming in Objective-C includes numerous updates and improvements throughout the book: Improved organization for some chapters Incorporation of feedback and suggestions from members of the author's forum for readers, including more detailed descriptions for some of the examples A new introduction to blocks with examples Replacement of deprecated methods with newer methods Updated diagrams and steps for using Xcode 4

## Objective-C Programmer's Reference

Want to write iOS apps or desktop Mac applications? This introduction to programming and the Objective-C language is your first step on the journey from someone who uses apps to someone who writes them. Based on Big Nerd Ranch's popular Objective-C Bootcamp, Objective-C Programming: The Big Nerd Ranch Guide covers C, Objective-C, and the common programming idioms that enable developers to make the most of Apple technologies. Compatible with Xcode 5, iOS 7, and OS X Mavericks (10.9), this guide features short chapters and an engaging style to keep you motivated and moving forward. At the same time, it encourages you to think critically as a programmer. Here are some of the topics covered: Using Xcode, Apple's documentation, and other tools Programming basics: variables, loops, functions, etc. Objects, classes, methods, and messages Pointers, addresses, and memory management with ARC Properties and Key-Value Coding (KVC) Class extensions Categories Classes from the Foundation framework Blocks Delegation, target-action, and notification design patterns Key-Value Observing (KVO) Runtime basics

## Effective Objective-C 2.0

Learn Objective-C for Java Developers will guide experienced Java developers into the world of Objective-C. It will show them how to take their existing language knowledge and design patterns and transfer that experience to Objective-C and the Cocoa runtime library. This is the express train to productivity for every Java developer who has dreamed of developing for Mac OS X or iPhone, but felt that Objective-C was too intimidating. So hop on and enjoy the ride! Provides a translation service that turns Java problem-solving skills into Objective-C solutions Allows Java developers to leverage their existing experience and quickly launch themselves into a new domain Takes the risk out of learning Objective-C

## Beginning Objective C

Presents an introduction to Objective-C, covering such topics as classes and objects, data types, program looping, inheritance, polymorphism, variables, memory management, and archiving.

## IOS App Development for Non-Programmers - Book 1

Overcome the vexing issues you're likely to face when creating apps for the iPhone, iPad, or iPod touch. With new and thoroughly revised recipes in this updated cookbook, you'll quickly learn the steps necessary to work with the iOS 7 SDK--including ways to store and protect data, send and receive notifications, enhance and animate graphics, manage files and folders, and take advantage of UI Dynamics.

## Learn Objective-C for Java Developers

This first book in the series from Kevin McNeish is specifically designed to teach non-programmers how to create Apps for the iPhone and iPad.

## Objective-C

Updated for iOS 7 and Xcode 5 Review ""I have spent a small fortune on beginner programming books that have consistently left me scratching my head. I've often wondered if I just didn't have the ability to learn and grasp the subject. But, in this book I've found the answer; I can."" - TL Pearce Unleash Your Inner App Developer This second book in the series from Kevin McNeish, winner of the 2012 Publishing Innovation Award, highly acclaimed iOS trainer and conference speaker, and award-winning App Developer, is specifically designed to teach non-programmers Objective-C; the language used to create Apps for the iPhone and iPad. Many books designed for the beginning Apple developer assume way too much. In contrast, this book series assumes you know nothing about programming. Book 2: Flying with Objective-C builds on what you learned in Book 1: Diving In. In the first two chapters, the author helps you understand basic concepts, such as "what is a class?" and "what is an object?" You then learn how to pass messages to objects, and then create your own custom classes. As you go through the book, concepts become more advanced until you reach the final chapters on Advanced-Objective-C and Advanced Messaging. Each concept is accompanied by step-by-step instructions to build an App that shows the real-world use of Objective-C programming features. This is a tremendous aid in helping non-programmers grasp even more advanced concepts. The information in this book is applicable to the latest iOS technologies including iOS 7 and Xcode 5. Includes Step-by-Step Instructional Videos Each exercise in this book has a corresponding movie that demonstrates how to perform the exercise. After trying to solve the exercise on your own, just tap the movie to watch the exercise solved for you in high quality video and narrative Not a "Dumbed Down" Series Ultimately, readers will learn everything that is taught in the regular written-for-programmer books. This series simply provides more background information and more thorough explanations for those who haven't had formal education or a career in software development.

## Objective-c Succinctly

Write Truly Great iOS and OS X Code with Objective-C 2.0! Effective Objective-C 2.0 will help you harness all of Objective-C's expressive power to write OS X or iOS code that works superbly well in production environments. Using the concise, scenario-driven style pioneered in Scott Meyers' best-selling Effective C++, Matt Galloway brings together 52 Objective-C best practices, tips, shortcuts, and realistic code examples that are available nowhere else. Through real-world examples, Galloway uncovers little-known Objective-C quirks, pitfalls, and intricacies that powerfully impact code behavior and performance. You'll learn how to choose the most efficient and effective way to accomplish key tasks when multiple options exist, and how to write code that's easier to understand, maintain, and improve. Galloway goes far beyond the core language, helping you integrate and leverage key Foundation framework classes and modern system libraries, such as Grand Central Dispatch. Coverage includes Optimizing interactions and relationships between Objective-C objects Mastering interface and API design: writing classes that feel "right at home" Using protocols and categories to write maintainable, bug-resistant code Avoiding memory leaks that can still occur even with Automatic Reference Counting (ARC) Writing modular, powerful code with Blocks and Grand Central Dispatch Leveraging differences between Objective-C protocols and multiple inheritance in other languages Improving code by more effectively using arrays, dictionaries, and sets Uncovering surprising power in

the Cocoa and Cocoa Touch frameworks

## Programming in Objective-C 2.0

Describes ways to incorporate domain modeling into software development.

## Objective-C Programming

The perfect beginner's guide to Objective-C 2.0, the essential language for over 1,000,000 Mac OS X, iPhone, and iPod touch developers! ▯ ▯Concise, readable, and friendly: designed to get new Objective-C programmers up and running fast! ▯Covers everything readers need to know, from basic Object-Oriented Programming to general C concepts. ▯Walks through code examples one line at a time, and also offers high-level explanations what's happening 'behind the scenes' of Objective-C programs. Long-time OS X and iPhone developer Robert Clair begins with a concise review of the object-oriented and C concepts that all Objective-C developers need to know. Next, he introduces the basics of the Objective-C language, walking through code examples one line at a time, and offering high-level explanations of what's happening 'behind the scenes.' Clair concludes with advanced topics carefully chosen for their real-world value - including detailed coverage of memory management and the differences between 32-bit and 64- bit programs. Throughout, Learning Objective-C 2.0 focuses consistently on the features, concepts, and techniques that matter most in day-to-day programming - not complex 'edge cases' or abstract theory. The result: an outstanding first book for every beginner who wants to program for Apple's fast-growing iPhone and Mac OS X platforms. Note: This will be the entry-level book for Objective-C newcomers. Readers who complete it can move on to Stephen Kochan's highly-regarded Programming in Objective-C 2.0 and then to our more specialized Apple development titles, such as David Chisnall's Cocoa Developer's Handbook, Fritz Anderson Xcode 3.x Unleashed , and Aaron Hillegass's Cocoa Programming for Mac OS X Third Ed

## Domain-driven Design

Write Truly Great iOS and OS X Code with Objective-C 2.0! Effective Objective-C 2.0 will help you harness all of Objective-C's expressive power to write OS X or iOS code that works superbly well in production environments. Using the concise, scenario-driven style pioneered in Scott Meyers' best-selling Effective C++, Matt Galloway brings together 52 Objective-C best practices, tips, shortcuts, and realistic code examples that are available nowhere else. Through real-world examples, Galloway uncovers little-known Objective-C quirks, pitfalls, and intricacies that powerfully impact code behavior and performance. You'll learn how to choose the most efficient and effective way to accomplish key tasks when multiple options exist, and how to write code that's easier to understand, maintain, and improve. Galloway goes far beyond the core language, helping you integrate and leverage key Foundation framework classes and modern system libraries, such as Grand Central Dispatch. Coverage includes Optimizing interactions and relationships between Objective-C objects Mastering interface and API design: writing classes that feel ▯right at home▯ Using protocols and categories to write maintainable, bug-resistant code Avoiding memory leaks that can still occur even with Automatic Reference Counting (ARC) Writing modular, powerful code with Blocks and Grand Central Dispatch Leveraging differences between Objective-C protocols and multiple inheritance in other languages Improving code by more effectively using arrays, dictionaries, and sets Uncovering surprising power in the Cocoa and Cocoa Touch frameworks

## Objective-C 2. 0 Essentials

Objective-C is today's fastest growing programming language, at least in part due to the popularity of Apple's Mac, iPhone and iPad. Beginning Objective-C is for you if you have some programming experience, but you're new to the Objective-C programming language and you want a modern▯and fast▯way forwards to your own coding projects. Beginning Objective-C offers you a modern programmer's perspective on Objective-C courtesy of two of the best iOS and Mac developers in the

field today, and gets you programming to the best of your ability in this important language. It gets you rolling fast into the sound fundamentals and idioms of Objective-C on the Mac and iOS, in order to learn how best to construct your applications and libraries, making the best use of the tools it provides no matter what projects you plan to build. The book offers thorough introductions to the core tenets of the language itself and its primary toolkits: the Foundation and AppKit frameworks. Within its pages you will encounter a mine of information on many topics, including use of the file system and network APIs, concurrency and multi-core programming, the user interface system architecture, data modeling, and more. You'll soon find yourself building a fairly complex Objective-C based application, and mastering the language ready for your own projects. If you're new to programming altogether, then Apress has other Objective-C books for you such as our Learning and Absolute Beginner titles otherwise, let your existing skills ramp you fast forwards in Objective-C with Beginning Objective-C so that you can start building your own applications quickly.

## Learning iPhone Programming

Get Started Fast with Objective-C 2.0 Programming for OS X Mountain Lion, iOS 5.1, and Beyond Fully updated for Xcode 4.4, Learning Objective-C 2.0, Second Edition, is today s most useful beginner s guide to Objective-C 2.0. One step at a time, it will help you master the newest version of Objective-C 2.0 and start writing high-quality programs for OS X 10.8 Mountain Lion, iOS 5.1, and all of Apple s newest computers and devices. Top OS X and iOS developer Robert Clair first reviews the essential object and C concepts that every Objective-C 2.0 developer needs to know. Next, he introduces the basics of the Objective-C 2.0 language itself, walking through code examples one line at a time and explaining what s happening behind the scenes. This revised edition thoroughly introduces Apple s new Automated Reference Counting (ARC), while also teaching conventional memory-management techniques that remain indispensable. Carefully building on what you ve already learned, Clair progresses to increasingly sophisticated techniques in areas ranging from frameworks to security. Every topic has been carefully chosen for its value in real-world, day-to-day programming, and many topics are supported by hands-on practice exercises. Coverage includes · Reviewing key C techniques and concepts, from program structure and formats to variables and scope · Understanding how objects and classes are applied in Objective-C 2.0 · Writing your first Objective-C program with Xcode 4.4 · Using messaging to efficiently perform tasks with objects · Getting started with Apple s powerful frameworks and foundation classes · Using Objective-C control structures, including Fast Enumeration and exception handling · Adding methods to classes without subclassing · Using declared properties to save time and simplify your code · Mastering ARC and conventional memory management, and knowing when to use each · Using Blocks to prepare for concurrency with Apple s Grand Central Dispatch · Leveraging Xcode 4.4 improvements to enums and @implementation

## 100 Statements about Programming in Objective-C 2. 0 That Almost Killed My Hamster

Objective-C is today's fastest growing programming language, at least in part due to the popularity of Apple's Mac, iPhone and iPad. Beginning Objective-C is for you if you have some programming experience, but you're new to the Objective-C programming language and you want a modern and fast way forwards to your own coding projects. Beginning Objective-C offers you a modern programmer's perspective on Objective-C courtesy of two of the best iOS and Mac developers in the field today, and gets you programming to the best of your ability in this important language. It gets you rolling fast into the sound fundamentals and idioms of Objective-C on the Mac and iOS, in order to learn how best to construct your applications and libraries, making the best use of the tools it provides no matter what projects you plan to build. The book offers thorough introductions to the core tenets of the language itself and its primary toolkits: the Foundation and AppKit frameworks. Within its pages you will encounter a mine of information on many topics, including use of the file system and network APIs, concurrency and multi-core programming, the user interface system architecture, data modeling, and more. You'll soon find yourself building a fairly complex Objective-C based application, and mastering the language ready for your own projects. If you're new to programming altogether, then Apress has other Objective-C books for you such as our Learning and Absolute Beginner titles otherwise, let your

existing skills ramp you fast forwards in Objective-C with Beginning Objective-C so that you can start building your own applications quickly.

## Learn Objective-C on the Mac

Programming in Objective-C 2.0 LiveLessons is the world's first complete video training course on the basics of Objective-C, the programming language at the heart of Mac OS X and iPhone/iPad development.Bestselling author and trainer Stephen G. Kochan provides the new programmer with a step-by-step, hands-on introduction to the Objective-C language and the fundamentals of object-oriented programming.The course does not assume any previous programming experience and includes many detailed, practical examples of how to put Objective-C to use in everyday programming tasks for the Mac OS X and iPhone/iPad platforms.Stephen G. Kochan is author of the bestselling book Programming in Objective-C 2.0 and author or co-author of several bestselling books on the C language, including Programming in C, Programming in ANSI C, and Topics in C Programming. He has been programming Macintosh computers since the introduction of the first Mac in 1984, and he wrote Programming C for the Mac.Part I: Language Fundamentals1: Getting Started in Objective-C [00:14:00]2: Classes, Objects, and Methods [00:43:03]3: Data Types and Expressions [00:41:00]4: Loops [00:23:19]5: Making Decisions [00:37:20]6: More On Classes [00:43:36]7: Inheritance [00:45:48]8: Polymorphism, Dynamic Typing, and Dynamic Binding [00:23:12]9: More on Variables and Data Types [00:29:10]10: Categories and Protocols [00:39:25]11: The Preprocessor [00:37.24]12: Underlying C Language Features [01:43:03]Part II: iPhone Programming and the Foundation Framework1: Introduction to the Foundation Framework [00:08:31]2: Numbers and Strings [00:37:24]3: Collections [01:26:56]4: Working with Files [00:52:07]5: Memory Management [00:40:13]6: Copying Objects [00:35:58]7: Archiving Objects [00:27:38]8: Introduction to iPhone/iPod Touch Programming [00:34:46]9: Writing an iPhone Fraction Calculator [00:36:45]

## Programming in Objective-C

Based on Big Nerd Ranch□s popular iPhone Bootcamp class, iPhone Programming: The Big Nerd Ranch Guide leads you through the essential tools and techniques for developing applications for the iPhone, iPad, and iPod Touch. In each chapter, you will learn programming concepts and apply them immediately as you build an application or enhance one from a previous chapter. These applications have been carefully designed and tested to teach the associated concepts and to provide practice working with the standard development tools Xcode, Interface Builder, and Instruments. The guide□s learn-while-doing approach delivers the practical knowledge and experience you need to design and build real-world applications. Here are some of the topics covered: Dynamic interfaces with animation Using the camera and photo library User location and mapping services Accessing accelerometer data Handling multi-touch gestures Navigation and tabbed applications Tables and creating custom rows Multiple ways of storing and loading data: archiving, Core Data, SQLite Communicating with web services ALocalization/Internationalization "After many 'false starts' with other iPhone development books, these clear and concise tutorials made the concepts gel for me. This book is a definite must have for any budding iPhone developer." □Peter Watling, New Zealand, Developer of BubbleWrap

## Building Cocoa Applications

Build real-world Artificial Intelligence applications with Python to intelligently interact with the world around you About This Book Step into the amazing world of intelligent apps using this comprehensive guide Enter the world of Artificial Intelligence, explore it, and create your own applications Work through simple yet insightful examples that will get you up and running with Artificial Intelligence in no time Who This Book Is For This book is for Python developers who want to build real-world Artificial Intelligence applications. This book is friendly to Python beginners, but being familiar with Python would be useful to play around with the code. It will also be useful for experienced Python programmers who are looking to use Artificial Intelligence techniques in their existing technology stacks. What You Will Learn Realize different classification and regression techniques Understand the concept of clustering and how to use

it to automatically segment data See how to build an intelligent recommender system Understand logic programming and how to use it Build automatic speech recognition systems Understand the basics of heuristic search and genetic programming Develop games using Artificial Intelligence Learn how reinforcement learning works Discover how to build intelligent applications centered on images, text, and time series data See how to use deep learning algorithms and build applications based on it In Detail Artificial Intelligence is becoming increasingly relevant in the modern world where everything is driven by technology and data. It is used extensively across many fields such as search engines, image recognition, robotics, finance, and so on. We will explore various real-world scenarios in this book and you'll learn about various algorithms that can be used to build Artificial Intelligence applications. During the course of this book, you will find out how to make informed decisions about what algorithms to use in a given context. Starting from the basics of Artificial Intelligence, you will learn how to develop various building blocks using different data mining techniques. You will see how to implement different algorithms to get the best possible results, and will understand how to apply them to real-world scenarios. If you want to add an intelligence layer to any application that's based on images, text, stock market, or some other form of data, this exciting book on Artificial Intelligence will definitely be your guide! Style and approach This highly practical book will show you how to implement Artificial Intelligence. The book provides multiple examples enabling you to create smart applications to meet the needs of your organization. In every chapter, we explain an algorithm, implement it, and then build a smart application.

## Advanced Programming in Objective-C

Provides information on using iOS 6 to create applications for the iPhone, iPad, and iPod Touch.

## Learning Objective-C 2.0

The objective of this book is to teach the skills necessary to program in Objective-C 2.0 using a style that is easy to follow, rich in examples and accessible to those who have never used Objective-C before. Topics covered include the fundamentals of Objective-C such as variables, looping and flow control. Also included are details of object oriented programming, working with files and memory and the Objective-C Foundation framework.Regardless of whether you are developing for Mac OS X, the iPhone or the iPad, this book covers everything you need to know about the Objective-C programming language.

## High Performance IOS Apps

Filmed work by students of the School of Design, Swinburne University of Technology.

## Objective-C for Absolute Beginners

Get the hands-on experience you need to program for the iPhone and iPod Touch. With this easy-to-follow guide, you'll build several sample applications by learning how to use Xcode tools, the Objective-C programming language, and the core frameworks. Before you know it, you'll not only have the skills to develop your own apps, you'll know how to sail through the process of submitting apps to the iTunes App Store. Whether you're a developer new to Mac programming or an experienced Mac developer ready to tackle the iPhone and iPod Touch, Learning iPhone Programming will give you a head start on building market-ready iPhone apps. Start using Xcode right away, and learn how to work with Interface Builder Take advantage of model-view-controller (MVC) architecture with Objective-C Build a data-entry interface, and learn how to parse and store the data you receive Solve typical problems while building a variety of challenging sample apps Understand the demands and details of App Store and ad hoc distribution Use iPhone's accelerometer, proximity sensor, GPS, digital compass, and camera Integrate your app with iPhone's preference pane, media playback, and more

## Cocoa and Objective-C: Up and Running

Objective-C Succinctly is the only book you need for getting started with Objective-C-the primary language beneath all Mac, iPad, and iPhone apps. Written by Ryan Hodson, the author behind our popular Knockout.js Succinctly and PDF Succinctly titles, this e-book guides you from downloading Xcode, Apple's Objective-C IDE, to utilizing advanced features like blocks (similar to C#'s lambdas) and protocols. Along the way, you'll learn how the familiar aspects of object-oriented programming, such as interfaces, classes, methods, etc., are used in Objective-C, giving you the ability to leverage your existing knowledge with the tools presented in the book.

[Programming in Objective-C](#)

[IOS App Development for Non-Programmers - Book 2](#)

Summary Objective-C Fundamentals is a hands-on tutorial that leads you from your first line of Objective-C code through the process of building native apps for the iPhone using the latest version of the SDK. You'll learn to avoid the most common pitfalls, while exploring the expressive Objective-C language through numerous example projects. About the Technology The iPhone is a sophisticated device, and mastering the Objective C language is the key to unlocking its awesome potential as a mobile computing platform. Objective C's concise, rich syntax and feature set, when matched with the iPhone SDK and the powerful Xcode environment, offers a developers from any background a smooth transition into mobile app development for the iPhone. About the Book Objective-C Fundamentals guides you gradually from your first line of Objective-C code through the process of building native apps for the iPhone. Starting with chapter one, you'll dive into iPhone development by building a simple game that you can run immediately. You'll use tools like Xcode 4 and the debugger that will help you become a more efficient programmer. By working through numerous easy-to-follow examples, you'll learn practical techniques and patterns you can use to create solid and stable apps. And you'll find out how to avoid the most common pitfalls. No iOS or mobile experience is required to benefit from this book but familiarity with programming in general is helpful. Purchase of 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. What's Inside Objective-C from the ground up Developing with Xcode 4 Examples that work unmodified on iPhone Table of Contents PART 1 GETTING STARTED WITH OBJECTIVE-C Building your first iOS application Data types, variables, and constants An introduction to objects Storing data in collections PART 2 BUILDING YOUR OWN OBJECTS Creating classes Extending classes Protocols Dynamic typing and runtime type information Memory management PART 3 MAKING MAXIMUM USE OF FRAMEWORK FUNCTIONALITY Error and exception handling Key-Value Coding and NSPredicate Reading and writing application data Blocks and Grand Central Dispatch Debugging techniques

[Objective-C Fundamentals](#)

Programming in Objective-C, Fifth Edition Updated for OS X Mountain Lion, iOS 6, and Xcode 4.5 Programming in Objective-C is a concise, carefully written tutorial on the basics of Objective-C and object-oriented programming for Apple's iOS and OS X platforms. The book makes no assumptions about prior experience with object-oriented programming languages or with the C language (which Objective-C is based upon). Because of this, both beginners and experienced programmers alike can use this book to quickly and effectively learn the fundamentals of Objective-C. Readers can also learn the concepts of object-oriented programming without having to first learn all of the intricacies of the underlying C programming language. This unique approach to learning, combined with many small program examples and exercises at the end of each chapter, makes Programming in Objective-C ideally suited for either classroom use or self-study. This edition has been fully updated to incorporate new features in Objective-C programming introduced with Xcode 4.4 (OS X Mountain Lion) and Xcode 4.5 (iOS 6.) The best book on any programming language that I've ever read. If you want to learn Objective-C, buy it.Calvin Wolcott An excellent resource for a new programmer who wants to learn Objective-C as their first programming languagea woefully underserved market.Pat Hughes Contents at a Glance 1 Introduction Part I The Objective-C Language 2 Programming in Objective-C 3 Classes,

Objects, and Methods 4 Data Types and Expressions 5 Program Looping 6 Making Decisions 7 More on Classes 8 Inheritance 9 Polymorphism, Dynamic Typing, and Dynamic Binding 10 More on Variables and Data Types 11 Categories and Protocols 12 The Preprocessor 13 Underlying C Language Features Part II The Foundation Framework 14 Introduction to the Foundation Framework 15 Numbers, Strings, and Collections 16 Working with Files 17 Memory Management and Automatic Reference Counting (ARC) 18 Copying Objects 19 Archiving Part III Cocoa, Cocoa Touch, and the iOS SDK 20 Introduction to Cocoa and Cocoa Touch 21 Writing iOS Applications Appendixes A Glossary B Address Book Program Source Code

## Objective-C Programming

Everything you need to know to start creating native applications for the iPhone and iPod Touch The iPhone SDK and the Xcode tools are the official Apple tools used for creating native iPhone applications. This information-packed book presents a complete introduction to the iPhone SDK and the Xcode tools, as well as the Objective-C language that is necessary to create these native applications. Solid coverage and real-world examples walk you through the process for developing mobile applications for the iPhone that can then be distributed through Apple's iTunes Application store. The hands-on approach shows you how to develop your first iPhone application while getting you acquainted with the iPhone SDK and the array of Xcode tools. A thorough tutorial on the features and syntax of the Objective-C language helps you get the most out of the iPhone SDK, and an in-depth look at the features of the iPhone SDK enables you to maximize each of these features in your applications. Provides an introductory look at how the iPhone SDK and Xcode tools work with the Objective-C language to create native iPhone applications Familiarizes you with the latest version of the iPhone SDK and the newest Xcode tools that ship with Snow Leopard Walks you through developing your first iPhone applications Focuses on the features and syntax of the Objective-C language so that you can get the most out of the iPhone SDK With this hands-on guide, you'll quickly get started developing applications for the iPhone with both the iPhone SDK and the latest Xcode tools. Note: CD-ROM/DVD and other supplementary materials are not included as part of eBook file.

## Objective-C For Dummies

Presents an introduction to Objective-C, covering such topics as classes and objects, data types, polymorphism, Foundation Framework, memory management, and archiving.

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