Beginning Ruby By Peter Cooper

This is the eBook of the printed book and may not include any media, website access codes, or print supplements that may come packaged with the bound book. Used by sites as varied as Twitter, GitHub, Disney, and Airbnb, Ruby on Rails is one of the most popular frameworks for developing web applications, but it can be challenging to learn and use. Whether you're new to web development or new only to Rails, Ruby on Rails™ Tutorial, Fourth Edition, is the solution. Best-selling author and leading Rails developer Michael Hartl teaches Rails by guiding you through the development of three example applications of increasing sophistication. The tutorial's examples focus on the general principles of web development needed for virtually any kind of website. The updates to this edition include full compatibility with Rails 5, a division of the largest chapters into more manageable units, and a huge number of new exercises interspersed in each chapter for maximum reinforcement of the material. This indispensable guide provides integrated tutorials not only for Rails, but also for the essential Ruby, HTML, CSS, and SQL skills you need when developing web applications. Hartl explains how each new technique solves a real-world problem, and then he demonstrates it with bite-sized code that's simple enough to understand, yet novel enough to be useful. Whatever your previous web development experience, this book will guide you to true Rails mastery. This book will help you Install and set up your Rails development environment, including pre-installed integrated development environment (IDE) in the cloud Go beyond generated code to truly understand how to build Rails applications from scratch Learn testing and test-driven development (TDD) Effectively use the Model-View-Controller (MVC) pattern Structure applications using the REST architecture Build static pages and transform them into dynamic ones Master the Ruby programming skills all Rails developers need Create high-quality site layouts and data models Implement registration and authentication systems, including validation and secure passwords Update, display, and delete users Upload images in production using a cloud storage service Implement account activation and password reset, including sending email with Rails Add social features and microblogging, including an introduction to Ajax Record version changes with Git and create a secure remote repository at Bitbucket Deploy your applications early and often with Heroku

The Ruby programming language is perfect for beginners: easy to learn, powerful, and fun to use! But wouldn't it be more fun if you were learning with the help of some wizards and dragons? Ruby Wizardry is a playful, illustrated tale that will teach you how to program in Ruby by taking you on a fantastical journey. As you follow the adventures of young heroes Ruben and Scarlet, you'll learn real programming skills, like how to: –Use fundamental concepts like variables, symbols, arrays, and strings –Work with Ruby hashes to create a programmable breakfast menu –Control program flow with loops and conditionals to help the Royal Plumber –Test your wild and crazy ideas in IRB and save your programs as scripts –Create a class of mini-wizards, each with their own superpower! –Organize and reuse your code with methods and lists –Write your own amazing interactive stories using Ruby Along the way, you'll meet colorful characters from around the kingdom, like the hacker Queen, the Off-White Knight, and Wherefore the minstrel. Ruby Wizardry will have you (or your little wizard) hooked on programming in no time. For ages 10+ (and their parents!)

Ruby is an absolutely pure object-oriented scripting language written in C and designed with Perl and Python capabilities in mind. While its roots are in Japan, Ruby is slowly but surely gaining ground in the US. The goal of Yukihiro Matsumoto, creator of Ruby and author of this book, is to incorporate the strengths of languages like Perl, Python, Lisp and Smalltalk. Ruby is a genuine attempt to combine the best of everything in the scripting world. Since 1993, Ruby mailing lists have been established, Web pages have formed, and a community has grown around it. The language itself is very good at text processing and is notable for its broad object orientation. Ruby is portable and runs under GNU/Linux (and other Unices) as well as DOS, MS Windows and Mac.With Ruby in a Nutshell, Matsumoto offers a practical reference to the features of this new language including the command-line options, syntax, built-in variables, functions, and many commonly used classes and modules. This guide covers the current stable version of Ruby (1.6), yet is applicable to the development version 1.7 and the next planned stable version 1.8. You will find a thorough description of Ruby's language syntax, and a description of the core functionality built into the standard Ruby interpreter, which has more than 800 built-in methods in 42 classes and modules.Ruby finds its power through its built-in libraries, and this handy volume take you through the many useful libraries that come with the standard Ruby distribution--from network access via HTTP and CGI programming, to data persistence using the DBM library. This book concludes with coverage of the unique tools that come with Ruby, including the debugger, profiler, and irb (or interactive ruby.)Find out how Ruby combines the strengths of other languages, and why it has captured the interest of so many open source programmers. As part of the successful "in a nutshell" series of books from O'Reilly & Associates, Ruby in a Nutshell is for readers who want a single desktop reference for all their needs.

Praise for Design Patterns in Ruby " Design Patterns in Ruby documents smart ways to resolve many problems that Ruby developers commonly encounter. Russ Olsen has done a great job of selecting classic patterns and augmenting these with newer patterns that have special relevance for Ruby. He clearly explains each idea, making a wealth of experience available to Ruby developers for their own daily work." —Steve Metsker, Managing Consultant with Dominion Digital, Inc. "This book provides a great demonstration of the key 'Gang of Four' design patterns without resorting to overly technical explanations. Written in a precise, yet almost informal style, this book covers enough ground that even those without prior exposure to design patterns will

soon feel confident applying them using Ruby. Olsen has done a great job to make a book about a classically 'dry' subject into such an engaging and even occasionally humorous read." —Peter Cooper "This book renewed my interest in understanding patterns after a decade of good intentions. Russ picked the most useful patterns for Ruby and introduced them in a straightforward and logical manner, going beyond the GoF's patterns. This book has improved my use of Ruby, and encouraged me to blow off the dust covering the GoF book." —Mike Stok " Design Patterns in Ruby is a great way for programmers from statically typed objectoriented languages to learn how design patterns appear in a more dynamic, flexible language like Ruby." —Rob Sanheim, Ruby Ninja, Relevance Most design pattern books are based on C++ and Java. But Ruby is different—and the language's unique qualities make design patterns easier to implement and use. In this book, Russ Olsen demonstrates how to combine Ruby's power and elegance with patterns, and write more sophisticated, effective software with far fewer lines of code. After reviewing the history, concepts, and goals of design patterns, Olsen offers a quick tour of the Ruby language—enough to allow any experienced software developer to immediately utilize patterns with Ruby. The book especially calls attention to Ruby features that simplify the use of patterns, including dynamic typing, code closures, and "mixins" for easier code reuse. Fourteen of the classic "Gang of Four" patterns are considered from the Ruby point of view, explaining what problems each pattern solves, discussing whether traditional implementations make sense in the Ruby environment, and introducing Ruby-specific improvements. You'll discover opportunities to implement patterns in just one or two lines of code, instead of the endlessly repeated boilerplate that conventional languages often require. Design Patterns in Ruby also identifies innovative new patterns that have emerged from the Ruby community. These include ways to create custom objects with metaprogramming, as well as the ambitious Rails-based "Convention Over Configuration" pattern, designed to help integrate entire applications and frameworks. Engaging, practical, and accessible, Design Patterns in Ruby will help you build better software while making your Ruby programming experience more rewarding.

A Desktop Quick Reference

Ruby in a Nutshell

Accelerated Web Development with Ruby on Rails

Beginning Ruby

Ruby Programming for the Absolute Beginner

Extract Value from the Data That Surrounds You

Use Michael Hartl's Acclaimed Video Lessons and Best-Selling Book Side by Side to Master Rails Fast! LiveLessons™ DVD with of video instruction–a $150 value Michael Hartl's Ruby on Rails™ 3 Tutorial, the #1 hands-on guide to Rails web programming A $190 value, this package delivers instant skills, answers, and solutions from 18+ hours of video LiveLessons (a $150 value) insights from Ruby on Rails™ 3 Tutorial, the #1 Rails development guide (a $40 value). About the LiveLessons DVD These focu lessons help you learn crucial new skills fast–and put them to work immediately! Watch top Rails developer Michael Hartl gui through building a complete application using today's best practices for MVC and REST design, layout, Ruby coding, security, deployment, and more. Just place the DVD video in your computer's DVD drive, and master Rails the easy way.

Learn how to make better decisions and write cleaner Ruby code. This book shows you how to avoid messy code that is har which cripples productivity. Author Carleton DiLeo shares hard-learned lessons gained from years of experience across numer codebases both large and small. Each chapter covers the topics you need to know to make better decisions and optimize you Many books will tell you how to do something; this book will tell you why you should do it. Start writing code you love. Wha Learn Build better classes to help promote code reuse Improve your decision making and make better, smarter choicesIdentif fixed itCreate quality names for all of your variables, classes, and modules Write better, concise classesImprove the quality o methodsProperly use modules Clarify your Boolean logic See when and how you refactorImprove your understanding of TDD better tests Who This Book Is For This book is written for Ruby developers. There is no need to learn a new language or tran to Ruby.

Learn the principles behind object-oriented programming and within a few chapters create a fully functional Ruby application gain a basic understanding of many ancillary technologies such as databases, XML, web frameworks, and networking - some needed as part of a fully functioning Ruby application. Based on the bestselling first and second editions, Beginning Ruby, Thin a leading guide to learn Ruby from the ground up. The new edition of this book provides the same excellent introduction to R previous editions plus updates for the newest version of Ruby 2.3. This book can also be used as a textbook or companion to beginning Ruby programming. The light and agile Ruby programming language remains a very popular open source scripting op developers building today's web and even some enterprise applications. And, now, Ruby also has applications using the Raspb popular among hobbyists and makers. Many former Java developers still use Ruby on Rails today, the most popular framewor Ruby applications. What You'll Learn Discover the fundamentals of Ruby and its object-oriented building blocks Use the Ruby gems, and documentation Work with files and databases Write and deploy Ruby applications Harness the various Ruby web fi and how to use them Do network programming with Ruby Who This Book Is For Beginning programmers, programmers new t web developers interested in learning and knowing the foundations of the Ruby programming language.

Text is everywhere. Web pages, databases, the contents of files--for almost any programming task you perform, you need to even the most complex text-based tasks down to size and learn how to master regular expressions, scrape information from develop reusable utilities to process text in pipelines, and more. Most information in the world is in text format, and program themselves needing to make sense of the data hiding within. It might be to convert it from one format to another, or to find about the text as a whole, or to extract information fromit. But how do you do this efficiently, avoiding labor-intensive, manu Processing with Ruby takes a practical approach. You'll learn how to get text into your Ruby programs from the file system a input. You'll process delimited files such as CSVs, and write utilities that interact with other programs in text-processing pipe character encoding mysteries, and avoid the pain of jumbled characters and malformed output. You'll learn to use regular exp

match, extract, and replace patterns in text. You'll write a parser and learn how to process Web pages to pull out informat
messiest of HTML. Before long you'll be able to tackle even the most enormous and entangled text with ease, scything thro
data and effortlessly extracting the bits that matter. What You Need: This book requires a passing familiarity with the Ruby
language, and assumes that you already have Ruby installed on your computer.

The Well-Grounded Rubyist

An Introduction to Programming for Kids

A Simple and Idiomatic Introduction to the Imaginative World of Computational Thinking with Code

The Ghost of Ping-Ling

Practical Object-Oriented Design

Beginning Rails 6

Learn to build Rails-based web applications using all the latest features offered in Rails 5.2. Author Stefan
Wintermeyer begins by teaching the basics of Ruby 2.5 before proceeding through all aspects of Rails, utilizing clean,
succinct examples – rather than a single large application. This book covers topics including Active Storage,
Credentials, Active Record, Scaffolding, REST, Routing, Bundler, Forms, Cookies, and Sessions, all of which are vital
for modern Rails web applications. To complement these topics you'll also learn about test-driven development,
Action Cable, Active Job, Action Mailer, I18n, Asset Pipeline, and caching. Finally, you'll see a how-to for a
production web server with nginx. This complete set of skills will set you up for a future of efficient and elegant Rails
coding. What You Will Learn Use the Ruby on Rails web development framework Install and manage the Rails
framework Persist data for your web application with Active Record Work with forms Apply a test-driven
development approach to your Rails-based web applications Discover many Rails secrets and tips Who This Book Is
For Beginners with at least some prior programming experience. Ruby experience is helpful, but not required.
Audisee® eBooks with Audio combine professional narration and sentence highlighting for an engaging read aloud
experience! The picture book inspiration for the Academy Award-winning film The Green Book Ruth was so excited
to take a trip in her family's new car! In the early 1950s, few African Americans could afford to buy cars, so this
would be an adventure. But she soon found out that black travelers weren't treated very well in some towns. Many
hotels and gas stations refused service to black people. Daddy was upset about something called Jim Crow laws . . .
Finally, a friendly attendant at a gas station showed Ruth's family The Green Book. It listed all of the places that
would welcome black travelers. With this guidebook—and the kindness of strangers—Ruth could finally make a safe
journey from Chicago to her grandma's house in Alabama. Ruth's story is fiction, but The Green Book and its role in
helping a generation of African American travelers avoid some of the indignities of Jim Crow are historical fact.
Joe's hair is getting out of control. When his parents say it must be cut, Joe escapes and causes mayhem wherever
he goes. Can Joe survive with his hair intact? Will he be able to put right all the damage he causes along the way?
Join Joe on his madcap adventure, but beware...you may get tangled up in his tale!
It's easier to learn how to program a computer than it has ever been before. Now everyone can learn to write
programs for themselves - no previous experience is necessary. Chris Pine takes a thorough, but lighthearted
approach that teaches you the fundamentals of computer programming, with a minimum of fuss or bother. Whether
you are interested in a new hobby or a new career, this book is your doorway into the world of programming.
Computers are everywhere, and being able to program them is more important than it has ever been. But since most
books on programming are written for other programmers, it can be hard to break in. At least it used to be. Chris
Pine will teach you how to program. You'll learn to use your computer better, to get it to do what you want it to do.
Starting with small, simple one-line programs to calculate your age in seconds, you'll see how to write interactive
programs, to use APIs to fetch live data from the internet, to rename your photos from your digital camera, and more.
You'll learn the same technology used to drive modern dynamic websites and large, professional applications.
Whether you are looking for a fun new hobby or are interested in entering the tech world as a professional, this book
gives you a solid foundation in programming. Chris teaches the basics, but also shows you how to think like a
programmer. You'll learn through tons of examples, and through programming challenges throughout the book. When
you finish, you'll know how and where to learn more - you'll be on your way. What You Need: All you need to learn
how to program is a computer (Windows, macOS, or Linux) and an internet connection. Chris Pine will lead you
through setting set up with the software you will need to start writing programs of your own.

An Agile Primer

Ruby Wizardry

The Rails 3 Way

Learning SQL

Why's (Poignant) Guide to Ruby

Reflective Parenting

*Summary The Well-Grounded Rubyist, Third Edition is a beautifully written tutorial that
begins with your first Ruby program and takes you all the way to sophisticated topics
like reflection, threading, and recursion. Ruby masters David A. Black and Joe Leo
distill their years of knowledge for you, concentrating on the language and its uses so
you can use Ruby in any way you choose. Updated for Ruby 2.5. Purchase of the print book
includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About
the Technology Designed for developer productivity, Ruby is an easy-to-learn dynamic
language perfect for creating virtually any kind of software. Its famously friendly
development community, countless libraries, and amazing tools, like the Rails framework,
have established it as the language of choice for high-profile companies, including
GitHub, SlideShare, and Shopify. The future is bright for the well-grounded Rubyist!
About the Book In The Well-Grounded Rubyist, Third Edition, expert authors David A. Black*

and Joseph Leo deliver Ruby mastery in an easy-to-read, casual style. You'll lock in core principles as you write your first Ruby programs. Then, you'll progressively build up to topics like reflection, threading, and recursion, cementing your knowledge with high-value exercises to practice your skills along the way. What's Inside Basic Ruby syntax Running Ruby extensions FP concepts like currying, side-effect-free code, and recursion Ruby 2.5 updates About the Reader For readers with beginner-level programming skills. About the Authors David A. Black is an internationally known Ruby developer and author, and a cofounder of Ruby Central. Ruby teacher and advocate Joseph Leo III is the founder of Def Method and lead organizer of the Gotham Ruby Conference. Table of Contents PART 1 RUBY FOUNDATIONS Bootstrapping your Ruby literacy Objects, methods, and local variables Organizing objects with classes Modules and program organization The default object (self), scope, and visibility Control-flow techniques PART 2 BUILT-IN CLASSES AND MODULES Built-in essentials Strings, symbols, and other scalar objects Collection and container objects Collections central: Enumerable and Enumerator Regular expressions and regexp-based string operations File and I/O operations PART 3 RUBY DYNAMICS Object individuation Callable and runnable objects Callbacks, hooks, and runtime introspection Ruby and functional programming

Business intelligence and real-time reporting mechanisms play a major role in any of today's forward-looking business plans. With many of these solutions being moved to the Web, the popular Rails framework and its underlying Ruby language are playing a major role alongside web services in building the reporting solutions of tomorrow. This book offers a comprehensive introduction to this popular framework. It shows you how the Ruby language and Rails framework can create truly compelling reporting services by plugging into popular third-party applications and services such as Google AdWords, UPS.com, iTunes, and SalesForce.com.

How do you write truly elegant code with Ruby? Ruby Best Practices is for programmers who want to use Ruby as experienced Rubyists do. Written by the developer of the Ruby project Prawn, this concise book explains how to design beautiful APIs and domain-specific languages with Ruby, as well as how to work with functional programming ideas and techniques that can simplify your code and make you more productive. You'll learn how to write code that's readable, expressive, and much more. Ruby Best Practices will help you: Understand the secret powers unlocked by Ruby's code blocks Learn how to bend Ruby code without breaking it, such as mixing in modules on the fly Discover the ins and outs of testing and debugging, and how to design for testability Learn to write faster code by keeping things simple Develop strategies for text processing and file management, including regular expressions Understand how and why things can go wrong Reduce cultural barriers by leveraging Ruby's multilingual capabilities This book also offers you comprehensive chapters on driving code through tests, designing APIs, and project maintenance. Learn how to make the most of this rich, beautiful language with Ruby Best Practices.

It's easy to write correct Ruby code, but to gain the fluency needed to write great Ruby code, you must go beyond syntax and absorb the "Ruby way" of thinking and problem solving. In Eloquent Ruby, Russ Olsen helps you write Ruby like true Rubyists do-so you can leverage its immense, surprising power. Olsen draws on years of experience internalizing the Ruby culture and teaching Ruby to other programmers. He guides you to the "Ah Ha!" moments when it suddenly becomes clear why Ruby works the way it does, and how you can take advantage of this language's elegance and expressiveness. Eloquent Ruby starts small, answering tactical questions focused on a single statement, method, test, or bug. You'll learn how to write code that actually looks like Ruby (not Java or C#); why Ruby has so many control structures; how to use strings, expressions, and symbols; and what dynamic typing is really good for. Next, the book addresses bigger questions related to building methods and classes. You'll discover why Ruby classes contain so many tiny methods, when to use operator overloading, and when to avoid it. Olsen explains how to write Ruby code that writes its own code-and why you'll want to. He concludes with powerful project-level features and techniques ranging from gems to Domain Specific Languages. A part of the renowned Addison-Wesley Professional Ruby Series, Eloquent Ruby will help you "put on your Ruby-colored glasses" and get results that make you a true believer.

The Rails 5 Way
A Guide to Crafting Better Code for Rubyists
Useful Scripts that Solve Difficult Problems
Clean Ruby
The Rails 4 Way

Learn to Program

The "Bible" for Rails Development: Fully Updated for Rails 5 "When I read The Rails Way for the first time, I felt like I truly understood Rails for the first time." —Steve Klabnik, Rails contributor and mentor The Rails™ 5 Way is the comprehensive, authoritative reference guide for professionals delivering production-quality code using modern Ruby on Rails. Obie Fernandez illuminates the entire Rails 5 API, its most powerful idioms, design approaches, and libraries. He presents new and updated content on Action Cable, RSpec 3.4, Turbolinks 5.0, the Attributes API, and many other enhancements, both major and subtle. Through detailed code examples, you'll dive deep into Ruby on Rails, discover why it's designed as it is, and learn to make it do exactly what you want. Proven in thousands of production systems, the knowledge in this book will maximize your productivity and help you build more successful solutions. Build powerful, scalable, REST-compliant back-end services Program complex program flows using Action Controller Represent models, relationships, and operations in Active Record, and apply advanced Active Record techniques Smoothly evolve database schema via Migrations Craft front-ends with ActionView and the Asset Pipeline Optimize performance and scalability with caching and Turbolinks 5.0 Improve your productivity using Haml HTML templating Secure your systems against attacks like SQL Injection, XSS, and XSRF Integrate email using Action Mailer Enable real-time, websockets-based browser behavior with Action Cable Improve responsiveness with background processing Build "API-only" back-end projects that speak JSON Leverage enhancements to Active Job, serialization, and Ajax support A guide to Ruby programming covers such topics as working with objects, strings, and variables; implementing conditional logic; working with Regular Expressions; object-oriented programming; and debugging. Learn to program with Rust in an easy, step-by-step manner on Unix, Linux shell, macOS and the Windows command line. As you read this book, you'll build on the knowledge you gained in previous chapters and see what Rust has to offer. Beginning Rust starts with the basics of Rust, including how to name objects, control execution flow, and handle primitive types. You'll see how to do arithmetic, allocate memory, use iterators, and handle input/output. Once you have mastered these core skills, you'll work on handling errors and using the object-oriented features of Rust to build robust Rust applications in no time. Only a basic knowledge of programming is required, preferably in C or C++. To understand this book, it's enough to know what integers and floating-point numbers are, and to distinguish identifiers from string literals. After reading this book, you'll be ready to build Rust applications. What You'll Learn Get started programming with Rust Understand heterogeneous data structures and data sequences Define functions, generic functions, structs, and more Work with closures, changeable strings, ranges and slices Use traits and learn about lifetimes Who This Book Is For Those who are new to Rust and who have at least some prior experience with programming in general: some C/C++ is recommended particularly.

"An excellent bibliotherapy book to help middle-schoolers talk about AIDS and cope with the death of a loved one." -Booklist Crystal's older sister, Janelle, just won second place in a writing contest, and her younger sister, Roxann, was picked to sing a solo in the school play. It's difficult to be in the middle of two gifted sisters–especially when Crystal thinks she has no talents of her own. Then Uncle Joe comes to town and Crystal finds comfort in their friendship, and starts to feel special. But when she is told that Uncle Joe is dying of AIDS, she must come to grips with his illness. In the process, Crystal learns a lot about her strong family, about life, and most of all, about herself. Full of hope and optimism, this coming–of–age story explores life and death, and one family's struggle to stick together through hard times.

Ruby Best Practices
Eloquent Ruby
Solutions and Techniques in Ruby Programming
Wicked Cool Ruby Scripts
Learn Web Development with Rails
Increase Your Productivity - Write Better Code

The expert guide to building Ruby on Rails applications Ruby on Rails strips complexity from the development process, enabling professional developers to focus on what matters most: delivering business value. Now, for the first time, there's a comprehensive, authoritative guide to building production-quality software with Rails. Pioneering Rails developer Obie Fernandez and a team of experts illuminate the entire Rails API, along with the Ruby idioms, design approaches, libraries, and plug-ins that make Rails so valuable. Drawing on their unsurpassed experience, they address the real challenges development teams face, showing how to use Rails' tools and best practices to maximize productivity and build polished applications users will enjoy. Using detailed code examples, Obie systematically covers Rails' key capabilities and subsystems. He presents advanced programming techniques, introduces open source libraries that facilitate easy Rails adoption, and offers important insights into testing and production deployment. Dive deep into the Rails codebase together, discovering why Rails behaves as it does— and how to make it behave the way you want it to. This book will help you Increase your productivity as a web developer Realize the overall joy of programming with Ruby on Rails Learn what's new in Rails 2.0 Drive design and protect long-term maintainability with TestUnit and RSpec Understand and manage complex program flow in Rails controllers Leverage Rails' support for designing REST-compliant APIs Master sophisticated Rails routing concepts and techniques Examine and troubleshoot Rails routing Make the most of ActiveRecord object-relational mapping Utilize Ajax within your Rails applications Incorporate logins and authentication into your application Extend Rails with the best third-party plug-ins and write your own Integrate email services into your applications with ActionMailer Choose the right Rails production configurations Streamline deployment with Capistrano

"An under-the-hood look at how the Ruby programming language runs code. Extensively illustrated with complete explanations and hands-on experiments. Covers Ruby 2.x"--

A fire in a temple, an orphan running for his life. But is Dillen running away from, or towards, his destiny? A mysterious Easterner has sent Dillen on a simple quest: find the sorcerer Hallegat and serve him well. But for Dillen, things will never be simple again.
About Book Python programming language book. This book contains every details regarding python basic knowledge. From installation of Python software in computer to Data file handling in Python. Every topic is covered. Pictorial explanation is also provided. Solved programs, unsolved questions for reader is also given. Every topic is explained in best possible way. content is from scratch to database handling.
Beginning C++17
Practical Object-oriented Design in Ruby
The Ruby Way
Design Patterns in Ruby (Adobe Reader)
Edge of Dark
Programming With Python

Have you ever wondered what's going on in your child's mind? This engaging book shows how reflective parenting can help you understand your children, manage their behaviour and build your relationship and connection with them. It is filled with practical advice showing how recent developments in mentalization, attachment and neuroscience have transformed our understanding of the parent-child relationship and can bring meaningful change to your own family relationships. Alistair Cooper and Sheila Redfern show you how to make a positive impact on your relationship with your child, starting from the development of the baby's first relationship with you as parents, to how you can be more reflective in relationships with toddlers, children and young people. Using everyday examples, the authors provide you with practical strategies to develop a more reflective style of parenting and how to use this approach in everyday interactions to help your child achieve their full potential in their development; cognitively, emotionally and behaviourally. Reflective Parenting is an informative and enriching read for parents, written to help parents form a better relationship with their children. It is also an essential resource for clinicians working with children, young people and families to support them in managing the dynamics of the child-parent relationship. This is a book that every parent needs to read.

Learn how to program using the updated C++17 language. You'll start with the basics and progress through step-by-step examples to become a working C++ programmer. All you need are Beginning C++17 and any recent C++ compiler and you'll soon be writing real C++ programs. There is no assumption of prior programming knowledge. All language concepts that are explained in the book are illustrated with working program examples, and all chapters include exercises for you to test and practice your knowledge. Code downloads are provided for all examples from the text and solutions to the exercises. This latest edition has been fully updated to the latest version of the language, C++17, and to all conventions and best practices of so-called modern C++. Beginning C++17 also introduces the elements of the C++ Standard Library that provide essential support for the C++17 language. What You'll Learn Define variables and make decisions Work with arrays and loops, pointers and references, strings, and more Write your own functions, types, and operators Discover the essentials of object-oriented programming Use overloading, inheritance, virtual functions and polymorphism Write generic function templates and class templates Get up to date with modern C++ features: auto type declarations, move semantics, lambda expressions, and more Examine the new additions to C++17 Who This Book Is For Programmers new to C++ and those who may be looking for a refresh primer on the C++17 programming language in general.

Learn the principles behind object-oriented programming in Ruby and within a few chapters create a fully functional Ruby 3-based application. You'll gain a basic understanding of many ancillary technologies such as databases, XML, web frameworks, and networking - some of which will be needed for your first Ruby application. Based on the bestselling first and second editions, Beginning Ruby 3, 4th Edition is a leading guide to learn Ruby from the ground up. The new edition of this book provides the same excellent introduction to Ruby as the previous editions plus updates for the newest version of Ruby, including performance through an improved allocator, decreased heap fragmentation and more. Also, added: details on the just-in-time compiler, fewer limits on GIL (Global Interpreter Lock), and a static type checker. You'll see why the light and agile Ruby programming language remains a popular open source scripting option for developers building today's web applications. This book can also be used as a textbook or companion to a textbook on beginning Ruby programming. After reading and using this book, you'll have a firm handle to program in the Ruby language. What You Will Learn Discover the fundamentals of Ruby and its object-oriented building blocks Use the Ruby libraries, gems, and documentation Work with files and databases Write and deploy Ruby applications Harness the various Ruby web frameworks and use them effectively Do network programming with Ruby Who This Book Is For Beginning programmers, programmers new to Ruby, and web developers interested in learning the foundations of the Ruby programming language.

Springboard your journey into web application development and discover how much fun building web applications with Ruby on Rails can be. This book has been revised to cover what's new in Rails 6 including features such as WebPack, advanced JavaScript integration, Action Mailbox, Action Text, system and parallel testing, Action Cable testing, and more. Beginning Rails 6 gently guides you through designing your application, writing tests for the application, and then writing the code to make your application work as expected. It is a book that will guide you from never having programmed with Ruby, to having a Rails 6 application built and deployed to the web. After reading and using this book, you'll have the know-how and the freely available source code to get started with your own Rails-based web development in days. What You Will Learn Create Ruby on Rails 6 web applications from the bottom up Gain the basics of the Ruby programming language Combine all the components of Rails to develop your own web applications Apply TDD to make sure your application works exactly as you expect Use Git source control and best practice techniques to create applications like a pro Who This Book Is For Someone with little to no Ruby or Rails experience, or possibly even someone with no experience developing web applications at all. A basic familiarity with the web and typical web terms is assumed, but you don't need to be an expert in these.

Pro JavaScript Techniques
An Agile Primer Using Ruby
Learning Ruby Internals Through Experiment
Beginning Rust
Learn Rails 5.2
Text Processing with Ruby

Ruby is perhaps best known as the engine powering the hugely popular Ruby on Rails web framework. However, it is an ext powerful and versatile programming language in its own right. It focuses on simplicity and offers a fully object-oriented env Beginning Ruby is a thoroughly contemporary guide for every type of reader who wants to learn Ruby, from novice program web developers to Ruby newcomers. It starts by explaining the principles behind object-oriented programming and within a

chapters builds toward creating a genuine Ruby application. The book then explains key Ruby principles, such as classes and projects, modules, and libraries, and other aspects of Ruby such as database access. In addition, Ruby on Rails is covered in the books appendixes provide essential reference information as well as a primer for experienced programmers. What you'll Understand the basics of Ruby and object-oriented building blocks. Work with Ruby libraries, gems, and documentation. Wor files and databases. Write and deploy Ruby applications. Explore Ruby web frameworks and aspects of network programming Ruby. Develop desktop and GUI applications with Ruby. Who this book is for Beginning programmers, programmers new to R and web developers interested in knowing the foundations of the language.

Beginning RubyFrom Novice to ProfessionalApress

The "Bible" for Rails Development: Now Fully Updated for Rails 4.1 "When I read The Rails Way for the first time, I felt like I t understood Rails for the first time." —From the Foreword by Steve Klabnik Ruby on Rails 4 is leaner, tighter, and even more to professional web developers. More than ever, it helps you focus on what matters most: delivering business value via clea maintainable code. The Rails™ 4 Way is the only comprehensive, authoritative guide to delivering production-quality code wit Kevin Faustino joins pioneering Rails developer Obie Fernandez to illuminate the entire Rails 4 API, including its most powerfu modern idioms, design approaches, and libraries. They present extensive new and updated content on security, performance Haml, RSpec, Ajax, the Asset Pipeline, and more. Through detailed code examples, you'll dive deep into the Rails 4 code base, why Rails is designed as it is, and learn how to make it do exactly what you want. Proven in dozens of production systems, techniques will maximize your productivity and help you build more successful solutions. You'll want to keep this guide by yo computer—you'll refer to it constantly. This guide will help you Build powerful, scalable REST-compliant APIs Program comple program flows using Action Controller Represent models, relationships, CRUD operations, searches, validation, callbacks, and Smoothly evolve application database schema via Migrations Apply advanced Active Record techniques: single-table inheritan polymorphic models, and more Create visual elements with Action View and partials Optimize performance and scalability wit caching Master the highly productive Haml HTML templating engine Make the most of Rails' approach to session manageme Secure your systems with Rails 4's improved authentication and authorization Resist SQL Injection, XSS, XSRF, and other att Extend Rails with popular gems and plugins, and learn to write your own Integrate email services with Action Mailer Use Aja Rails 4 support for unobtrusive JavaScript Improve responsiveness with background processing Leverage Asset Pipeline to s development, improve perceived performance, and reduce server burdens Accelerate implementation and promote maintainab with RSpec

The Complete Guide to Writing Maintainable, Manageable, Pleasing, and Powerful Object-Oriented Applications Object-oriente programming languages exist to help you create beautiful, straightforward applications that are easy to change and simple Unfortunately, the world is awash with object-oriented (OO) applications that are difficult to understand and expensive to c Practical Object-Oriented Design, Second Edition, immerses you in an OO mindset and teaches you powerful, real-world, obje oriented design techniques with simple and practical examples. Sandi Metz demonstrates how to build new applications tha "survive success" and repair existing applications that have become impossible to change. Each technique is illustrated with examples in the easy-to-understand Ruby programming language, all downloadable from the companion website, poodr.com. updated for Ruby 2.5, this guide shows how to Decide what belongs in a single class Avoid entangling objects that should b separate Define flexible interfaces among objects Reduce programming overhead costs with duck typing Successfully apply Build objects via composition Whatever your previous object-oriented experience, this concise guide will help you achieve th outcomes you're looking for. Register your book for convenient access to downloads, updates, and/or corrections as they b available. See inside book for details.

From Novice to Professional

Ruby Under a Microscope

Learn Rails by Example

Ruby on Rails

Ruth and the Green Book

The Complete Guide to Writing More Maintainable, Manageable, Pleasing, and Powerful Ruby Applications

Ruby's widely admired ease of use has a downside: Too many Ruby and Rails applications have been created without concern for their long-term maintenance or evolution. The Web is awash in Ruby code that is now virtually impossible to change or extend. This text helps you solve that problem by using powerful real-world object-oriented design techniques, which it thoroughly explains using simple and practical Ruby examples. Sandi Metz has distilled a lifetime of conversations and presentations about object-oriented design into a set of Ruby-focused practices for crafting manageable, extensible, and pleasing code. She shows you how to build new applications that can survive success and repair existing applications that have become impossible to change. Each technique is illustrated with extended examples, all downloadable from the companion Web site,poodr.info. The first title to focus squarely on object-oriented Ruby application design, Practical Object-Oriented Design in Ruby will guide you to superior outcomes, whatever your previous Ruby experience. Novice Ruby programmers will find specific rules to live by; intermediate Ruby programmers will find valuable principles they can flexibly interpret and apply; and advanced Ruby programmers will find a common language they can use to lead development and guide their colleagues. This guide will help you Understand how object-oriented programming can help you craft Ruby code that is easier to maintain and upgrade Decide what belongs in a single Ruby class Avoid entangling objects that should be kept separate Define flexible interfaces among objects Reduce programming overhead costs with duck typing Successfully apply inheritance Build objects via composition Design cost-effective tests Solve common problems associated with poorly designed Ruby code

Updated for the latest database management systems -- including MySQL 6.0, Oracle 11g, and Microsoft's SQL Server 2008 -- this introductory guide will get you up and running with SQL quickly. Whether you need to write database applications, perform administrative tasks, or generate reports, Learning SQL, Second Edition, will help you easily master all the SQL fundamentals. Each chapter presents a self-contained lesson on a key SQL concept or technique, with numerous illustrations and annotated examples. Exercises at the end of each chapter

let you practice the skills you learn. With this book, you will: Move quickly through SQL basics and learn several advanced features Use SQL data statements to generate, manipulate, and retrieve data Create database objects, such as tables, indexes, and constraints, using SQL schema statements Learn how data sets interact with queries, and understand the importance of subqueries Convert and manipulate data with SQL's built-in functions, and use conditional logic in data statements Knowledge of SQL is a must for interacting with data. With Learning SQL, you'll quickly learn how to put the power and flexibility of this language to work.

Offers a Ruby tutorial featuring fifty-two exercises that cover such topics as installing the Ruby environment, organizing and writing code, strings and text, object-oriented programming, debugging and automated testing, and basic game development.

What if a society banished its worst nightmare to the far edge of the solar system, destined to sip only dregs of light and struggle for the barest living. And yet, that life thrived? It grew and learned and became far more than you ever expected, and it wanted to return to the sun. What if it didn?t share your moral compass in any way?The Glittering duology describes the clash of forces when an advanced society that has filled a solar system with flesh and blood life meets the near-AI?s that it banished long ago. This is a story of love for the wild and natural life on a colony planet, complex adventure set in powerful space stations, and the desire to live completely whether you are made of flesh and bone or silicon and carbon fiber. In Edge of Dark, meet ranger Charlie Windar and his adopted wild predator, and explore their home on a planet that has been raped and restored more than once. Meet Nona Hall, child of power and privilege from the greatest station in the system, the Diamond Deep. Meet Nona?s best friend, a young woman named Chrystal who awakens in a robotic body....Story Locale-The planet Lym, and several space stations in Lym?s solar systemSeries Overview-A duology exploring the truly frightening challenges confronting a technically advanced society that has strewn itself across an entire solar system.

Beginning Ruby 3

Joe's Jungle Hair

Practical Reporting with Ruby and Rails

From Beginner to Pro

Ruby on Rails Tutorial

A Guide to Understanding What's Going on in Your Child's Mind

For more than a decade, Ruby developers have turned to The Ruby Way for reliable "how-to" guidance on effective Ruby programming. Now, Hal Fulton and André Arko have thoroughly updated this classic guide to cover new language enhancements and developers' experiences through Ruby 2.1. The new edition illuminates Ruby 2.1 through 400+ examples, each answering the question: "How do I do this in Ruby?" For each example, they present both a task description and realistic technical constraints. Next, they walk step-by-step through presenting one good solution, offering detailed explanations to promote deeper understanding. Conveniently organized by topic, The Ruby Way, Third Edition makes it easier than ever to find the specific solution you want—and to write better code by reflecting Ruby's unique philosophy and spirit. Coverage includes Ruby 2.1 overview: terminology, philosophy, and basic principles Best practices for strings and regular expressions Efficiently internationalizing your code Performing calculations (including trigonometry, calculus, statistics, and time/date calculations) Working with "Rubyesque" objects such as symbols and ranges Using arrays, hashes, stacks, queues, trees, graphs, and other data structures Efficiently storing data with YAML, JSON, and SQLite3 Leveraging object-oriented and dynamic features, from multiple constructors to program inspection Building GUIs with Shoes 4, Ruby/Tk, Ruby/GTK3, QtRuby, and other toolkits Improving thread performance by understanding Ruby's synchronization methods and avoiding its pitfalls Automating system administration with Ruby Data formats: JSON, XML, RSS, Atom, RMagick, PDF, and more Testing and debugging with RSpec, Minitest, Cucumber, byebug, and pry Measuring Ruby program performance Packaging and distributing code, and managing dependencies with Bundler Network programming: clients, time servers, POP, SMTP, IMAP, Open-URI Web applications: HTTP servers, Rails, Sinatra, HTML generation, and more Writing distributed Ruby software with drb Choosing modern development tools that maximize your productivity All source code for this book may be downloaded at www.rubyhacker.com. informit.com/aw informit.com/ruby rubyhacker.com/therubyway therubyway.io

The Rails™ 3 Way is a comprehensive resource that digs into the new features in Rails 3 and perhaps more importantly, the rationale behind them. —Yehuda Katz, Rails Core The Bible for Ruby on Rails Application Development Ruby on Rails strips complexity from the development process, enabling professional developers to focus on what matters most: delivering business value via clean and maintainable code. The Rails™ 3 Way is the only comprehensive, authoritative guide to delivering production-quality code with Rails 3. Pioneering Rails expert Obie Fernandez and a team of leading experts illuminate the entire Rails 3 API, along with the idioms, design approaches, and libraries that make developing applications with Rails so powerful. Drawing on their unsurpassed experience and track record, they address the real challenges development teams face, showing how to use Rails 3 to maximize your productivity. Using numerous detailed code examples, the author systematically covers Rails 3 key capabilities and subsystems, making this book a reference that you will turn to again and again. He presents advanced Rails programming techniques that have been proven effective in day-to-day usage on dozens of production Rails systems and offers important insights into behavior-driven development and production considerations such as scalability. Dive deep into the Rails 3 codebase and discover why Rails is designed the way it is—and how to make it do what you want it to do. This book will help you Learn what's new in Rails 3 Increase your productivity as a web application developer Realize the overall joy in programming with Rails Leverage Rails' powerful capabilities for building REST-compliant APIs Drive implementation and protect long-term maintainability using RSpec Design and manipulate your domain layer using Active Record Understand and program complex program flows using Action Controller Master sophisticated URL routing concepts Use Ajax techniques via Rails 3 support for unobtrusive JavaScript Learn to extend Rails with popular gems and plugins, and how to write your own Extend Rails with the best third-party plug-ins and write your own Integrate email services into your applications with Action Mailer Improve application responsiveness with background processing Create your own non-Active Record domain classes using Active Model Master Rails' utility classes and extensions in Active Support

Contains fifty-eight Ruby scripts to solve a variety of problems for system administration, image manipulation, and management of a Website.

This book addresses today's approach to JavaScript in detail: modern browser support, including information on Internet Explorer 7; Object-Oriented JavaScript; testing and debugging; unobtrusive JavaScript techniques using DOM Scripting; Ajax; creating and using blocks of reusable code, and the future of JavaScript. All the concepts expressed in this up-to-the-minute reference are thoroughly backed up with real world examples and full-scale case studies. The book offers reusable functions for readers to use in their own projects, a significant time-saver. Also included are several reference sections that allow developers to look up details quickly and easily.
Learn Ruby the Hard Way
Life Magic
The Rails Way
Master SQL Fundamentals