

Ruby Programming For Beginners The Simple Guide To Learning Ruby Programming Language Fast

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Ruby Cengage Learning

What will you learn from this book? What's all the buzz about this Ruby language? Is it right for you? Well, ask yourself: are you tired of all those extra declarations, keywords, and compilation steps in your other language? Do you want to be a more productive programmer? Then you'll love Ruby. With this unique hands-on learning experience, you'll discover how Ruby takes care of all the details for you, so you can simply have fun and get more done with less code. Why does this book look so different? Based on the latest research in cognitive science and learning theory, Head First Ruby uses a visually rich format to engage your mind, rather than a text-heavy approach to put you to sleep. Why waste your time struggling with new concepts? This multi-sensory learning experience is designed for the way your brain really works.

Clean Ruby John Wiley & Sons

Those who are efficient in the Ruby programming language is very high in demand right now. If you are unsure of how to create programs with Ruby, this book will guide you from step one in a coding project all the way through to the end. With the help of this beginners guide you will learn how to program in no time! Follow along with the book to get the drift on how to use Ruby. After you master Ruby, you can move on to Ruby on Rails, which is the framework that goes with Ruby. Soon enough you will become a master programmer using the user-friendliest programming language ever developed. This will help you to land jobs or even write your own coding for a sweet web application. The sky is the limit once you have read, practiced, and learned the Ruby programming language! Here Is What You'll Learn About... What Is Ruby Programming Computer Evaluation Of Ruby Code Objects & Methods Classes & Instances Data Structures Ruby Collections Samples Of Ruby Code Much, Much More!

Ruby on Rails For Dummies John Wiley & Sons

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. This book focuses 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

Beginning Ruby 3 Pearson Education

This book will provide you with all of the tools you need to be a professional Ruby developer. Starting with the core principles, such as syntax and best practices, and up to advanced topics like metaprogramming and big data analysis. About This Book Provides the core skills required to become a Ruby programmer Covers how to use the most popular Ruby Gem libraries Includes details on regular expressions Who This Book Is For This is a complete course written from the ground up for beginners wanting to gain a solid understanding of the Ruby language. It starts at the beginning with how to install Ruby and work with it on multiple machines, so simply have a computer that's connected to the Internet and you'll be ready. What You Will Learn Learn how to use Ruby code effectively, picking the right tool for the job and not duplicating built-in functionality Gain best software development practices, and how to identify and fix common errors Absorb core programming skills, such as variables, strings, loops, conditionals, and much more Explore object-oriented programming and learn to create modular, reusable code that you can use across projects Build 10 practical Ruby programs as you work through the book on topics such as big data analysis and solving Euler equations In Detail Ruby is a powerful, general-purpose programming language that can be applied to any task. Whether you are an experienced developer who wants to learn a new language or you are new to programming, this book is your comprehensive Ruby coding guide. Starting with the foundational principles, such as syntax, and scaling up to advanced topics such as big data analysis, this book will give you all of the tools you need to be a professional Ruby developer. A few of the key topics are: object-oriented programming, built-in Ruby methods, core programming skills, and an introduction to the Ruby on Rails and Sinatra web frameworks. You will also build 10 practical Ruby programs. Created by an experienced Ruby developer, this book has been written to ensure it focuses on the skills you will need to be a professional Ruby developer. After you have read this book, you will be ready to start building real-world Ruby projects. Style and approach This is a comprehensive course for learning the Ruby programming language that works methodically through everything that you need to know. It begins with the basics of the language and then works through some complete projects to apply your skills and ensure that you have fully absorbed them and can use them in the real world.

Intro To Ruby Programming Addison-Wesley Professional

Learn the principles behind object-oriented programming and within a few chapters create a fully functional Ruby application. You'll also gain a basic understanding of many ancillary technologies such as databases, XML, web frameworks, and networking - some of which are needed as part of a fully functioning Ruby application. Based on the bestselling first and second editions, Beginning Ruby, Third 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 2.3. This book can also be used as a textbook or companion to a textbook on beginning Ruby programming. The light and agile Ruby programming language remains a very

popular open source scripting option for developers building today's web and even some enterprise applications. And, now, Ruby also has applications using the Raspberry Pi, popular among hobbyists and makers. Many former Java developers still use Ruby on Rails today, the most popular framework for building Ruby applications. What You'll 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 how to use them Do network programming with Ruby Who This Book Is For Beginning programmers, programmers new to Ruby, and web developers interested in learning and knowing the foundations of the Ruby programming language.

Beginning Ruby Apress

Are You Ready To Learn Ruby Easily? This book aims to guide a complete novice in Ruby programming. This book is carefully crafted to aid the new or inexperienced programmer in learning to write a code in Ruby language. If you are someone who somehow developed a fear to explore the unknown and still interested in learning Ruby programming, then this book can truly help you. This book covers everything that a beginner in Ruby programming should learn. Understand that programming offers an infinite amount of information and knowledge. However, this book understands that it may overwhelm a mere beginner in programming if it tackles even the advanced features of the Ruby language. This book can help you build a solid, basic knowledge in programming that can help you a lot when you begin to write your own program in Ruby language. You can use the acquired knowledge to pursue or learn more about Ruby's advanced concepts later on. For now, just concentrate on the basics and make sure to absorb every lesson before you go to the next one. Practice makes perfect and this book provides a lot of practice programs or exercises that can help you enhance your experience in Ruby programming. The exercises are simple and easy to understand to help you comprehend the lesson quickly. You also need to take note of the error messages that you may encounter. Let them serve as your guide so you can avoid the same mistake in the future or help you resolve the same error when you encounter them once more. Learning Ruby programming in 7 days is not something impossible to accomplish. Even a person with a little or no experience with any programming language can learn it within those days. As you go through each lesson, you will notice that it is quite easy to understand. It becomes much simpler when you have patience and discipline. Understand that you will be able to learn the Ruby basics in 7 days, but that won't make you an instant expert. You still need to practice and work your way in discovering the cool things that you can do with Ruby as you go along. Even expert programmers need to spend ample time in honing their programming skills. Before you know it, you are ready to create a more complex program. This book presents everything that a novice may need in understanding the basic Ruby programming. It is presented in such a way that anyone without prior programming knowledge will find it easy to understand - most technical jargons were kept to minimal, and they are the terminologies that you will likely encounter once you have started writing your program. Here's What You'll Learn From This Ruby For Beginners Book: Chapter 1: Getting acquainted with ruby Chapter 2: Initial Preparations Chapter 3: Start with the Basics Chapter 4: Ruby Variables Chapter 5: All About Methods Chapter 6: Flow Control Chapter 7: Iterators and Loops Chapter 8: More on Arrays and Hashes What Are You Waiting For? Start Coding Ruby Right Now!

Beginning Ruby Apress

Ruby is famous for being easy to learn, but most users only scratch the surface of what it can do. While other books focus on Ruby's trendier features, The Book of Ruby reveals the secret inner workings of one of the world's most popular programming languages, teaching you to write clear, maintainable code. You'll start with the basics—types, data structures, and control flows—and progress to advanced features like blocks, mixins, metaclasses, and beyond. Rather than bog you down with a lot of theory, The Book of Ruby takes a hands-on approach and focuses on making you productive from day one. As you follow along, you'll learn to: — Leverage Ruby's succinct and flexible syntax to maximize your productivity — Balance Ruby's functional, imperative, and object-oriented features — Write self-modifying programs using dynamic programming techniques — Create new fibers and threads to manage independent processes concurrently — Catch and recover from execution errors with robust exception handling — Develop powerful web applications with the Ruby on Rails framework Each chapter includes a "Digging Deeper" section that shows you how Ruby works under the hood, so you'll never be caught off guard by its deceptively simple scoping, multithreading features, or precedence rules. Whether you're new to programming or just new Ruby, The Book of Ruby is your guide to rapid, real-world software development with this unique and elegant language.

The Pragmatic Programmer Addison-Wesley Professional

Based on the bestselling first edition, Beginning Ruby: From Novice to Professional, Second Edition is the leading guide for every type of reader who wants to learn Ruby from the ground up. The new edition of this book provides the same excellent introduction to Ruby as the first edition plus updates for the newest version of Ruby, including the addition of the Sinatra and Ramaze web application frameworks and a chapter on GUI development so developers can take advantage of these new trends. Beginning Ruby starts by explaining the principles behind object-oriented programming and within a few chapters builds toward creating a full Ruby application. By the end of the book, in addition to in-depth knowledge of Ruby, you'll also have basic understanding of many ancillary technologies such as SQL, XML, web frameworks, and networking. Introduces readers to the Ruby programming language Takes readers from basic programming skills to web development with topics like Ruby-based frameworks and GUI programming Covers many ancillary technologies in order to provide a broader picture (e.g., databases, XML, network daemons)

Why's (Poignant) Guide to Ruby Apress

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 [Learning Ruby](#) Macmillan

Summary: Ruby 1.9 was a major release of the language: it introduced multinationalization, new block syntax and scoping rules, a new, faster, virtual machine, and hundreds of new methods in dozens of new classes and modules. Ruby 2.0 is less radical--it has keyword arguments, a new regexp engine, and some library changes. This book describes it all. The first quarter of the book is a tutorial introduction that gets you up to speed with the Ruby language and the most important classes and libraries. Download and play with the hundreds of code samples as your experiment with the language. The second section looks at real-world Ruby, covering the Ruby environment, how to package, document, and distribute code, and how to work with encodings. The third part of the book is more advanced. In it, you'll find a full description of the language, an explanation of duck typing, and a detailed description of the Ruby object model and metaprogramming. The book ends with a reference section: comprehensive and detailed documentation of Ruby's libraries. You'll find descriptions and examples of more than 1,300 methods in 58 built-in classes and modules, along with brief descriptions of 97 standard libraries. Ruby makes your programming more productive; it makes coding fun again. And this book will get you up to speed with the very latest Ruby, quickly and enjoyably.

Mastering Ruby on Rails Independently Published

Learn Ruby In 24 Hours Or Less! In this book you will find the fundamental aspects of the Ruby programming language. It will explain theories and lessons through detailed instructions and practical examples. With this eBook, you'll learn how to get Ruby, how to write Ruby statements, and how to use this language in creating your own programs. If you're searching for a comprehensive learning material for Ruby, this is the book you need. With the help of the important ideas and practical examples contained within, you will be able to master Ruby quickly even if you have never programmed anything before. By reading this material, you will become an effective Ruby programmer in 24 hours (or even less). Here are some of the things you'll learn from this eBook: How to download the right version of Ruby for your computer The fundamental principles of Ruby programming The methods that you can use in Ruby How to handle program exceptions The syntax of Ruby commands How to create loops, iterators, classes, objects, variables, and many more You can certainly benefit from this eBook even if you have never programmed anything before. This eBook will teach you the basics of Ruby programming and give you the syntax of important Ruby commands. If you want to become a skilled Ruby programmer in just 24 hours, get this eBook now and read it carefully. In addition you will find inside: Collections Of Data The Sharing Functionalities Of Ruby The Regular Expressions The Methods Of The Ruby Language Ruby Expressions The Basic I/O Of Ruby And Much, Much More... Get Your Copy Right Now!

Ruby on Rails Tutorial Pearson Education

A guide to Ruby programming covers such topics as datatypes and objects, expressions, classes and modules, control structures, and the Ruby platform.

Ruby For Kids For Dummies No Starch Press

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

Learn to Program No Starch Press

Learning Ruby has never been this fast and easy, or fun! Veteran Codemy.com programmer John Elder walks you step by step through the ins and outs of Ruby Programming. Written for the absolute beginner, you don't need any programming experience to dive in and get started with this book. Follow along as John teaches you to set up a development environment and write your first program. You'll learn about Variables, Math, IF/THEN Statements, Array, Hashes, Loops, Methods and much more. By the end, you'll be well on your way to becoming a professional Ruby coder! Build on your skills with practice exercises at the end of each chapter and build a math flashcard game using all the skills you've learned throughout the book. It really is this easy to learn Ruby! *AUTHOR UPDATE: C9, the development environment we used in the book, was purchased by Amazon and is no longer accepting new users unless you sign up through my education account at Codemy.com/c9

Programming Ruby 1.9 & 2.0 Snowbooks

Applying the principles and the knowledge that you learn in this book will help you build a strong foundation in Ruby programming, enough to allow you to move on to more advanced programming.

[Ruby Programming for Beginners](#) Addison-Wesley Professional

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.

Pearson Education

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!)

The Ruby Programming Language Addison-Wesley Professional

Elevate your Ruby skills to an advanced level by deepening your understanding of the design principles, best practices, and trade-offs involved in implementation approaches to future-proof your Ruby applications Key Features Learn Ruby web application design principles and strategies for databases, security, and testing from a Ruby committer Understand the design principles behind polished Ruby code and trade-offs between implementation approaches Use metaprogramming and DSLs to reduce the amount of code needed without decreasing maintainability Book Description Anyone striving to become an expert Ruby programmer needs to be able to write maintainable applications. Polished Ruby Programming will help you get better at designing scalable and robust Ruby programs, so that no matter how big the codebase grows, maintaining it will be a breeze. This book takes you on a journey through implementation approaches for many common programming situations, the trade-offs inherent in each approach, and why you may choose to use different approaches in different situations. You'll start by refreshing Ruby fundamentals, such as correctly using core classes, class and method design, variable usage, error handling, and code formatting. Then you'll move on to higher-level programming principles, such as library design, use of metaprogramming and domain-specific languages, and refactoring. Finally, you'll learn principles specific to web application development, such as how to choose a database and web framework, and how to use advanced security features. By the end of this Ruby programming book, you'll be a well rounded web developer with a deep understanding of Ruby. While most code examples and principles discussed in the book apply to all Ruby versions, some examples and principles are specific to Ruby 3.0, the latest release at the time of publication. What you will learn Use Ruby's core classes and design custom classes effectively Explore the principles behind variable usage and method argument choice Implement advanced error handling approaches such as exponential backoff Design extensible libraries and plugin systems in Ruby Use metaprogramming and DSLs to avoid code redundancy Implement different approaches to testing and understand their trade-offs Discover design patterns, refactoring, and optimization with Ruby Explore database design principles and advanced web app security Who this book is for This book is for Ruby programmers who are comfortable in coding with Ruby but want to advance their skills by mastering the deeper principles and best practices behind writing maintainable, scalable, optimized, and well-structured Ruby code. This book won't teach you the basics of Ruby — you'll need intermediate knowledge and practical experience before you can dive in.

Practical Object-Oriented Design Addison-Wesley Professional

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

[Eloquent Ruby](#) No Starch Press

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.