

Learn Javascript Visually

The fundamentals of computer programming are transferable to all programming languages, and JavaScript is a fantastic language to learn those fundamentals. With JavaScript and this book, you will learn to:

- Use variables to store data and perform calculations
- Write if/else statements to make decisions
- Write loops to repeat commands
- Write functions to organize your code and make it reusable
- Use arrays to store and process large amounts of data
- Use the built-in objects and functions in JavaScript to write programs that are more effective

This book is simply jammed full of helpful programming examples, including computing compound interest, the future value of an investment, the volume of a cylinder, the distance between two points, the area of a triangle, the surface area of a pyramid, roots using the quadratic formula. Other examples include determining if a number is prime, finding the greatest common divisor of two numbers, creating an array, filling an array, reversing an array, finding a value in an array, sorting an array, making an HTML document interactive using the document object model (DOM), storing data permanently using local storage, reversing a string of text, counting the occurrences of a character, extracting the family name from a person's full name, transposing musical chords, and many more.

JavaScript is one of the easiest, most straightforward ways to enhance a website with interactivity. Sams Teach Yourself JavaScript in 24 Hours, 4th Edition serves as an easy-to-understand tutorial on both scripting basics and JavaScript itself. The book is written in a clear and personable style with an extensive use of practical, complete examples. It also includes material on the latest developments in JavaScript and web scripting. You will learn how to use JavaScript to enhance web pages with interactive forms, objects, and cookies, as well as how to use JavaScript to work with games, animation, and multimedia.

Provides information on creating Web applications with JavaScript.

Do you want to develop a skill that will ensure you never go jobless again? Have you always wanted to learn how to program but could never afford those ridiculously expensive courses? Developers and programmers are amongst the highest paid professions in the world, and according to the US Bureau of Labor Statistics, the number of jobs for software and app developers will increase by a shocking 24% in the next few years. In 2019, the tech industry posted 4.6 million job openings in the US job market, and their direct economic output was estimated at 1.9 trillion dollars. There's no doubt that the IT industry is the future, and software, web, and app developers are and will be the most coveted professionals for many years to come. But here's the shock you may not have seen coming: the IT industry has a backdoor--you only need to know how to open it in order to jump straight on that cash wagon. The key to that door is JavaScript, a programming language that has withstood the test of time and has become one of the most used languages. You might have heard about some of the companies that use JavaScript: Netflix, Google, Microsoft, eBay, Facebook, Uber, PayPal... The list goes on and on. Being proficient in JavaScript will basically ensure that you never run out of job options. As with pursuing any new concept, learning how to program can be intimidating, especially for beginners. Even though JavaScript is incredibly beginner-friendly, it's still complex enough for you to need a guide to lead you through the process of mastering it.

Go from beginner to builder quickly with this hands-on JavaScript guide Coding with JavaScript For Dummies provides easy, hands-on instruction for anyone looking to learn this popular client-side language. No experience? No problem! This friendly guide starts from the very beginning and walks you through the basics, then shows you how to apply what you've learned to real projects. You'll start building right away, including web page elements and simple applications, so you can immediately see how JavaScript is used in the real world. Online exercises allow you to test your code and expand your skills, and the easy-to-follow instruction provides step-by-step guidance toward understanding the JavaScript syntax, applications, and language. JavaScript enhances static web pages by providing dynamic elements that can adapt and react to user action. It's a need-to-know tool for aspiring web designers, but anyone can benefit from understanding this core development language. Coding with JavaScript For Dummies takes you from beginner to builder quickly as you: Learn what JavaScript does, how it works, and where to use it Master the core elements of JavaScript and immediately put it to work Build interactive web elements and try out your code online Create basic applications as you apply JavaScript to the app development workflow Anytime a website responds to your movement around the screen, that's JavaScript. It makes websites more functional, more beautiful, and more engaging, and your site visitors will demand nothing less. If you want to build a better website, you need JavaScript. If you need JavaScript, Coding with JavaScript For Dummies gets you started off quickly and painlessly, with plenty of hands-on practice.

If you are new to both JavaScript and programming, this hands-on book is for you. Rather than staring blankly at gobbledygook, you'll explore JavaScript by entering and running hundreds of code samples in Firebug, a free JavaScript debugger. Then in the last two chapters, you'll leave the safety of Firebug and hand-code an uber cool JavaScript application in your preferred text editor. Written in a friendly, engaging narrative style, this innovative JavaScript tutorial covers the following essentials: Core JavaScript syntax, such as value types, operators, expressions, and statements provided by ECMAScript. Features for manipulating XHTML, CSS, and events provided by DOM. Object-oriented JavaScript, including prototypal and classical inheritance, deep copy, and mixins. Closure, lazy loading, advance conditional loading, chaining, currying, memoization, modules, callbacks, recursion, and other powerful function techniques. Encoding data with JSON or XML. Remote scripting with JSON-P or XMLHttpRequest Drag-and-drop, animated scrollers, skin swappers, and other cool behaviors. Optimizations to ensure your scripts run snappy. Formatting and naming conventions to prevent you from looking like a greenhorn. New ECMAScript 5, DOM 3, and HTML 5 features such as Object.create(), Function.prototype.bind(), strict mode, querySelector(), querySelectorAll(), and getElementsByClassName(). As you can see, due to its fresh approach, this book is by no means watered down. Therefore, over the course of your journey, you will go from JavaScript beginner to wizard, acquiring the skills recruiters desire.

So you're ready to make the leap from writing HTML and CSS web pages to creating dynamic web applications. You want to take your web skills to the next level. And you're finally ready to add "programmer" to the resume. It sounds like you're ready to learn the Web's hottest programming language: JavaScript. Head First JavaScript is your ticket to going beyond copying and pasting the code from someone else's web site, and writing your own interactive web pages. With Head First JavaScript, you learn: The basics of programming, from variables to types to looping How the web browser runs your code, and how you can talk to the browser with your code Why you'll never have to worry about casting, overloading, or polymorphism when you're writing JavaScript code How to use the Document Object Model to change your web pages without making your users click buttons If you've ever read a Head First book, you know what to expect -- a visually rich format designed for the way your brain works. Head First JavaScript is no exception. It starts where HTML and CSS leave off, and takes you through your first program into more complex programming concepts -- like working directly with the web browser's object model and writing code that works on all modern browsers. Don't be intimidated if you've never written a line of code before! In typical Head First style, Head First JavaScript doesn't skip steps, and we're not interested in having you cut and paste code. You'll learn JavaScript, understand it, and have a blast along the way. So get ready... dynamic and exciting web pages are just pages away.

Beautifully Illustrated book that teaches javascript fundamentals trough metaphors, analogies and easy step-by-step exercises. Visual learners retain information very differently than their left brained counterparts, and thus benefit from different approaches. Full color illustrations help memory triggers as your brain never forgets an image, metaphor or schema. One page of a visual guide can equal one chapter of

a conventional book as illustrations can make a world of difference over strictly words on a page!

A guide to the JavaScript programming language covers such topics as document access, events, animation, form enhancements, errors and debugging, and Ajax.

Like it or not, JavaScript is everywhere these days—from browser to server to mobile—and now you, too, need to learn the language or dive deeper than you have. This concise book guides you into and through JavaScript, written by a veteran programmer who once found himself in the same position. Speaking JavaScript helps you approach the language with four standalone sections. First, a quick-start guide teaches you just enough of the language to help you be productive right away. More experienced JavaScript programmers will find a complete and easy-to-read reference that covers each language feature in depth. Complete contents include: JavaScript quick start: Familiar with object-oriented programming? This part helps you learn JavaScript quickly and properly. JavaScript in depth: Learn details of ECMAScript 5, from syntax, variables, functions, and object-oriented programming to regular expressions and JSON with lots of examples. Pick a topic and jump in. Background: Understand JavaScript's history and its relationship with other programming languages. Tips, tools, and libraries: Survey existing style guides, best practices, advanced techniques, module systems, package managers, build tools, and learning resources.

This book makes JavaScript less challenging to learn for newcomers, by offering a modern view that is as consistent as possible. Highlights: Get started quickly, by initially focusing on modern features. Test-driven exercises and quizzes available for most chapters (sold separately). Covers all essential features of JavaScript, up to and including ES2019. Optional advanced sections let you dig deeper. No prior knowledge of JavaScript is required, but you should know how to program.

This Book includes: Javascript Basics For Beginners Javascript Front End Programming Javascript Back End Programming Gain a deep understanding of Basics, front-end programming and back-end programming using JavaScript with this handy book! This book is written in a practical and easy way and offers theory and plenty of practical material. There are explanations and practical examples that help beginners learn fast. Instead of diving deeper into lengthy and boring texts, I tried to get straight to the point for each topic. I have defined each topic and added an easy to understand explanation to help you understand the concepts and the main keywords that will do the magic in the code. Coupled with the explanation, you will find a code snippet for each topic that is custom written and has been tested for errors. You can copy them and load them up on a web browser to see the results, or you can simply edit them and customize them to understand them well. The choice is yours. First book is written in an orderly form with beginner-level topics and progressively tougher topics later on. Second book is focusing on React JS, this guide is aimed at those who already have a programming background and some experience in programming for the web but need to brush up on their skills and learn new ones. Third book will take you through the important concepts involved in using Node.js to build your server-side applications. Each chapter is self-contained with its own practical but simple examples to show you how it works. By the end of this book, you will have all the knowledge you need to put together your own web application! Here is a rundown of the contents of the book. JavaScript Use Cases Variables Constants Prompts Conditionals Arrays Strings JavaScript For and While Loops Functions Objects Classes Learn how to set up your React JS environment. Discover what ReactJS is all about. Read in depth about the React JS components. Find out about the React JS props, state, and lifecycle. Investigate React JS forms, events, and refs. Learn about React JS Keys. Understand the React JS Router. Explore React JS Flux and animations. Learn about React JS Higher Order Components. Discover the React JS best practice guide. Learn how to set up your Node.js environment. Explore everything about the REPL Terminal. Read about the Node.js package manager. Discover Node.js callbacks and asynchronous JS. Find out about Node.js events, buffers, streams, and the file system. Investigate Node.js global objects and the global object - they are different. Learn about Node.js modules, utility modules, the web module, and more. Find out about the Express framework. Learn RESTful API. Discover how to scale applications. Find out how to package applications. And so much more! Now is your chance to delve into Javascript basics with this easy to follow guide. With the many examples and code snippets, you'll have everything you need at your fingertips. Click the Buy Now button to get started today!

Sams Teach Yourself HTML, CSS and JavaScript All in One The all-in-one HTML, CSS and JavaScript beginner's guide: covering the three most important languages for web development. Covers everything beginners need to know about the HTML and CSS standards and today's JavaScript and Ajax libraries - all in one book, for the first time Integrated, well-organized coverage expertly shows how to use all these key technologies together Short, simple lessons teach hands-on skills readers can apply immediately By best-selling author Julie Meloni Mastering HTML, CSS, and JavaScript is vital for any beginning web developer - and the importance of these technologies is growing as web development moves away from proprietary alternatives such as Flash. Sams Teach Yourself HTML, CSS, and JavaScript All in One brings together everything beginners need to build powerful web applications with the HTML and CSS standards and the latest JavaScript and Ajax libraries. With this book, beginners can get all the modern web development knowledge you need from one expert source. Bestselling author Julie Meloni (Sams Teach Yourself PHP, MySQL and Apache All in One) teaches simply and clearly, through brief, hands-on lessons focused on knowledge you can apply immediately. Meloni covers all the building blocks of practical web design and development, integrating new techniques and features into every chapter. Each lesson builds on what's come before, showing you exactly how to use HTML, CSS, and JavaScript together to create great web sites.

Explores the Web programming language, explaining how to add JavaScript to existing HTML Web pages and offers brief syntax drills, annotated examples of code, coding exercises, and end-of-module review tests.

Do you want to learn how JavaScript and the major markup languages work? If yes, then keep reading... Hypertext Markup Language (HTML) is part of the three major elements of modern web pages. The other two are Cascading Style Sheets (CSS) and JavaScript. HTML defines the structure of web pages. HTML contains a lot of features and instructs the browser on how to display content. CSS is responsible for styling while JavaScript is a prototype-based language with top-notch functions utilized by web page authors to control element actions. The three major markup languages concepts are explained further in the book. Cascading Style Sheets (CSS) is an excellent way of designing web pages. With CSS, you determine the color of an element, angle, visibility, size, and position, and more. CSS can be utilized either within the document or as an independent file which must be referenced by the HTML document. CSS is a standard way of styling an individual or group of elements at once. There are many parts and tasks that come with the JavaScript language, and we are going to take some time to explore these a bit

more. This will make it easier for us to see how this language works and what we can do with it. From learning how to write our own objects, expressions, operators, and more, this guidebook has all of the tools that you need in order to get started with writing some of our own codes in JavaScript. Working with a coding language can seem hard to work with. This is not always as easy to choose as the others, but the number of features and capabilities that come with this language compared to some of the other options, especially when we are talking about using this on web pages, then JavaScript is the right choice for you. When you are ready to learn more about the JavaScript language and what you are able to do with it, make sure to check out this guidebook to help you get started. JavaScript is capable of acting on or influencing web pages. JavaScript enhances web user interface by confirming actions taken by the user on the client-side. JavaScript contains three data types, which are number, Boolean, and string. With JavaScript, you can describe the functions of your own. In this book, you will learn more about: Fundamental JavaScript Concepts HTML Overview JavaScript's Control Flow Statements The Different Types of Loops in JavaScript Syntax Enabling JavaScript in Browsers Placement of JavaScript in Files Popup Message JavaScript Variables JavaScript ECMAScript Standard Working With JavaScript: A Brief HTML Guide for Beginners Changing the content of HTML elements using DOM Changing CSS using DOM Pointers Expressions and Operators What Are Some Of The JavaScript Variables? Variables, data types & constants Closures and Callbacks in JavaScript Apply, call, and bind methods in JavaScript Events Arrays in JavaScript Values, Types, and Operators Definition of Arrays in JavaScript ... AND MORE!!! What are you waiting for? Don't wait anymore, press the buy now button and get started.

Buy the paperback version of this Book and get the Kindle Book version for FREE! If you want to try to learn javascript quickly this is the right, complete and simple guide, than keep reading. JavaScript is the web's programming language. Most modern websites these days use JavaScript, and all browsers include JavaScript interpreters. This makes it one of the most important programming languages today and one of the technologies every web developer should know about. This book provides a comprehensive description of the basic JavaScript language and brings new chapters documenting server-side jQuery and JavaScript. Recommended for programmers who want to learn the Web programming language and for JavaScript programmers who want to broaden their knowledge and master the language. This is the complete and definitive JavaScript programmer's guide and reference manual. You must learn: - Basic Program - Basics of JavaScript - Features of JavaScript - Choose the right IDE - Strings - Sample Applications - Operators - Data Types - Writing Your First Program - Variables Even if you have no idea how javascript works this is the right guide for you! You will quickly learn all the javascript secrets and functions. Scroll up and click the "buy now button".

Take Your Skills to the Next Level with 70+ Examples Get the Kindle version FREE when purchasing the Paperback! This third instalment in the Step-By-Step C# Series is geared towards seasoned developers and novices alike. This guide explores slightly more advanced C# techniques, while being presented in our popular, easy to understand format. The topics in this book will prove invaluable to anyone currently using C#, no matter your skill level. With numerous examples and step by step descriptions, you will be able to master this wonderful language in no time. What This Book Offers 79 Practical Examples With each concept, we provide one or more example to illustrate the topic in a way that makes it easy to understand. We break examples down into their basic workings, and provide the output for you to compare to your own results. Detailed Descriptions Each topic is broken down into small manageable sections where each concept is explained in detail. We look at the different variations and types available, what the various return values mean and even how to avoid common errors. Reference Manual This book serves as a teaching guide and also a reference manual to accompany you through this wonderful world of programming. We aim to keep the core of the examples similar, so the only variable is the topic under discussion. This makes for easier learning and effortless referencing. Key Topics Interfaces Namespaces File I/O Operations Exception Handling Attributes Properties Delegates Reflection Collections Generics Events Multithreading Regular Expressions Get Your Copy Today!

What will you learn from this book? This brain-friendly guide teaches you everything from JavaScript language fundamentals to advanced topics, including objects, functions, and the browser's document object model. You won't just be reading—you'll be playing games, solving puzzles, pondering mysteries, and interacting with JavaScript in ways you never imagined. And you'll write real code, lots of it, so you can start building your own web applications. Prepare to open your mind as you learn (and nail) key topics including: The inner details of JavaScript How JavaScript works with the browser The secrets of JavaScript types Using arrays The power of functions How to work with objects Making use of prototypes Understanding closures Writing and testing applications What's so special about this book? We think your time is too valuable to waste struggling with new concepts. Using the latest research in cognitive science and learning theory to craft a multi-sensory learning experience, Head First JavaScript Programming uses a visually rich format designed for the way your brain works, not a text-heavy approach that puts you to sleep. This book replaces Head First JavaScript, which is now out of print.

The brain processes visual information 60,000 times faster than text!!! Visual learners retain information quite differently in comparison to their left brained counterparts enabling them to benefit more from different approaches. This Book will visualize Python like never before and I can't wait for you to try it.

It's time for a current, definitive JavaScript book, and in this comprehensive beginner's guide, bestselling author Larry Ullman teaches the language as it is implemented today. Larry demonstrates how to build upon JavaScript's ease of use, while demystifying its often-cryptic syntax, especially for those who have not programmed before. This book enforces modern JavaScript's best practices and embraces key Web development approaches such as progressive enhancement and unobtrusive scripting. The author demonstrates loads of real-world code and makes it available for download. You'll learn about JavaScript itself and the relationship between JavaScript and HTML. Next you'll explore variables, common operators, and control structures. Then you'll create functions, handle events, and do more with HTML forms. You'll master Ajax, work with frameworks, and use JavaScript with PHP to create a complete example. The result is a book that helps you not just tinker with JavaScript but to thoroughly comprehend it. This book includes: Easy step-by-step instruction, ample illustrations, and clear examples Real-world techniques to build your skills Insight into best practices from a veteran Web expert Emphasis on strategies for creating reliable code that will work on all of today's browsers and devices, even those without JavaScript

Make your Web pages stand out above the noise with JavaScript and the expert instruction in this much-anticipated update to the bestselling JavaScript Bible. With renowned

JavaScript expert Danny Goodman at your side, you'll get a thorough grounding in JavaScript basics, see how it fits with current Web browsers, and find all the soup-to-nuts detail you'll need. Whether you're a veteran programmer or just starting out, this is the JavaScript book Web developers turn to again and again. Note: CD-ROM/DVD and other supplementary materials are not included as part of eBook file.

This New York Times bestselling book is filled with hundreds of fun, deceptively simple, budget-friendly ideas for sprucing up your home. With two home renovations under their (tool) belts and millions of hits per month on their blog YoungHouseLove.com, Sherry and John Petersik are home-improvement enthusiasts primed to pass on a slew of projects, tricks, and techniques to do-it-yourselfers of all levels. Packed with 243 tips and ideas—both classic and unexpected—and more than 400 photographs and illustrations, this is a book that readers will return to again and again for the creative projects and easy-to-follow instructions in the relatable voice the Petersiks are known for. Learn to trick out a thrift-store mirror, spice up plain old roller shades, "hack" your Ikea table to create three distinct looks, and so much more.

JavaScript was written to give readers an accurate, concise examination of JavaScript objects and their supporting nuances, such as complex values, primitive values, scope, inheritance, the head object, and more. If you're an intermediate JavaScript developer and want to solidify your understanding of the language, or if you've only used JavaScript beneath the mantle of libraries such as jQuery or Prototype, this is the book for you. This updated and expanded second edition of Book provides a user-friendly introduction to the subject, Taking a clear structural framework, it guides the reader through the subject's core elements. A flowing writing style combines with the use of illustrations and diagrams throughout the text to ensure the reader understands even the most complex of concepts. This succinct and enlightening overview is a required reading for all those interested in the subject . We hope you find this book useful in shaping your future career & Business.

JavaScript lets you supercharge your HTML with animation, interactivity, and visual effects—but many web designers find the language hard to learn. This easy-to-read guide not only covers JavaScript basics, but also shows you how to save time and effort with the jQuery and jQuery UI libraries of prewritten JavaScript code. You'll build web pages that feel and act like desktop programs—with little or no programming. The important stuff you need to know: Pull back the curtain on JavaScript. Learn how to build a basic program with this language. Get up to speed on jQuery. Quickly assemble JavaScript programs that work well on multiple web browsers. Transform your user interface. Learn jQuery UI, the JavaScript library for interface features like design themes and controls. Make your pages interactive. Create JavaScript events that react to visitor actions. Use animations and effects. Build drop-down navigation menus, pop-ups, automated slideshows, and more. Collect data with web forms. Create easy-to-use forms that ensure more accurate visitor responses. Practice with living examples. Get step-by-step tutorials for web projects you can build yourself.

Java is powerfull programming language. Java easy to learn and fun to use! This book brings Java to life and quirky, full-color illustrations keep things on the lighter side. you'll learn how to organize and reuse your code with class and method use control structures like loops and conditional statements, draw shapes and patterns with Java's and Create games, animations, and graphic with Canvas .Kids learning Java like playing games, this book teaches main Java skills to kids ages 10+ and step-by-step guidance to know coding. By the end of the book kids can create own web application and games.

The JavaScript Workshop is a definitive guide to learning JavaScript in a practical way. Starting with JavaScript's core syntax and structure, the book gradually builds up to more advanced concepts like server-side development and functional programming. With this book, you'll gain the confidence to tackle any real-world JavaScript challenge.

JavaScript is the native language of the Internet. Originally created to make web pages more dynamic, it is now used for software projects of all kinds, including scientific visualization and data services. However, most data scientists have little or no experience with JavaScript, and most introductions to the language are written for people who want to build shopping carts rather than share maps of coral reefs. This book will introduce you to JavaScript's power and idiosyncrasies and guide you through the key features of the language and its tools and libraries. The book places equal focus on client- and server-side programming, and shows readers how to create interactive web content, build and test data services, and visualize data in the browser. Topics include: The core features of modern JavaScript Creating templated web pages Making those pages interactive using React Data visualization using Vega-Lite Using Data-Forge to wrangle tabular data Building a data service with Express Unit testing with Mocha All of the material is covered by the Creative Commons Attribution-Noncommercial 4.0 International license (CC-BY-NC-4.0) and is included in the book's companion website at <http://js4ds.org> .

Maya Gans is a freelance data scientist and front-end developer by way of quantitative biology. Toby Hodges is a bioinformatician turned community coordinator who works at the European Molecular Biology Laboratory. Greg Wilson co-founded Software Carpentry, and is now part of the education team at RStudio

JavaScript is the programming language of the Internet, the secret sauce that makes the Web awesome, your favorite sites interactive, and online games fun! JavaScript for Kids is a lighthearted introduction that teaches programming essentials through patient, step-by-step examples paired with funny illustrations. You'll begin with the basics, like working with strings, arrays, and loops, and then move on to more advanced topics, like building interactivity with jQuery and drawing graphics with Canvas. Along the way, you'll write games such as Find the Buried Treasure, Hangman, and Snake. You'll also learn how to: –Create functions to organize and reuse your code –Write and modify HTML to create dynamic web pages –Use the DOM and jQuery to make your web pages react to user input –Use the Canvas element to draw and animate graphics –Program real user-controlled games with collision detection and score keeping With visual examples like bouncing balls, animated bees, and racing cars, you can really see what you're programming. Each chapter builds on the last, and programming challenges at the end of each chapter will stretch your brain and inspire your own amazing programs. Make

something cool with JavaScript today! Ages 10+ (and their parents!)

The mechanics of Web design made easy for visual learners An effective Web site combines good graphic design principles with a functional user interface. This colorful, step-by-step guide shows visual learners how to plan, develop, and publish a site, all with easy-to-follow lessons. Each task is illustrated with screen shots accompanied by numbered steps. You'll learn all the tools and techniques for creating great-looking Web sites that users will love. Good Web design incorporates basic graphic design principles as well as the techniques required to make a site easy to navigate and user-friendly Those who learn best when someone shows them how will quickly get up to speed with the full-color screen shots and step-by-step illustrations in this visual guide Covers planning a site, creating eye-popping content with popular Adobe tools, building in functionality with HTML and CSS, testing the site, taking it live, and keeping it up to date Companion Web site features code and design examples for experimentation If you find learning easier when someone shows you how to do something, you'll quickly learn to build Web sites with Teach Yourself VISUALLY Web Design.

A full-color introduction to the basics of HTML and CSS from the publishers of Wrox! Every day, more and more people want to learn some HTML and CSS. Joining the professional web designers and programmers are new audiences who need to know a little bit of code at work (update a content management system or e-commerce store) and those who want to make their personal blogs more attractive. Many books teaching HTML and CSS are dry and only written for those who want to become programmers, which is why this book takes an entirely new approach. Introduces HTML and CSS in a way that makes them accessible to everyone—hobbyists, students, and professionals—and it's full-color throughout Utilizes information graphics and lifestyle photography to explain the topics in a simple way that is engaging Boasts a unique structure that allows you to progress through the chapters from beginning to end or just dip into topics of particular interest at your leisure This educational book is one that you will enjoy picking up, reading, then referring back to. It will make you wish other technical topics were presented in such a simple, attractive and engaging way! This book is also available as part of a set in hardcover - Web Design with HTML, CSS, JavaScript and jQuery, 9781119038634; and in softcover - Web Design with HTML, CSS, JavaScript and jQuery, 9781118907443.

For web developers and other programmers interested in using JavaScript, this bestselling book provides the most comprehensive JavaScript material on the market. The seventh edition represents a significant update, with new information for ECMAScript 2020, and new chapters on language-specific features. JavaScript: The Definitive Guide is ideal for experienced programmers who want to learn the programming language of the web, and for current JavaScript programmers who want to master it.

An accessible, visual, and creative approach to teaching core coding concepts using Python's Processing.py, an open-source graphical development environment. This beginners book introduces non-programmers to the fundamentals of computer coding within a visual, arts-focused context. Tristan Bunn's remarkably effective teaching approach is designed to help you visualize core programming concepts while you make cool pictures, animations, and simulations using Python Mode for the open-source Processing development environment. Right from the first chapter, you'll produce and manipulate colorful drawings, shapes and patterns as Bunn walks you through a series of easy-to-follow graphical coding projects that grow increasingly complex. You'll go from drawing with code to animating a bouncing DVD screensaver and practicing data-visualization techniques. Along the way, you'll encounter creative-yet-practical skill-building challenges that relate to everything from video games, cars, and coffee, to fine art, amoebas, and Pink Floyd. As you grow more fluent in both Python and programming in general, topics shift toward the mastery of algorithmic thinking, as you explore periodic motion, Lissajous curves, and using classes to create objects. You'll learn about:

- Basic coding theories and concepts, like variables, data types, pixel coordinates, control flow and algorithms
- Writing code that produces drawings, patterns, animations, data visualizations, user interfaces, and simulations
- Using conditional statements, iteration, randomness, lists and dictionaries
- Defining functions, reducing repetition, and making your code more modular
- How to write classes, and create objects to structure code more efficiently

In addition to giving you a good grounding in general programming, the skills and knowledge you'll gain in this book are your entry point to coding for an ever-expanding horizon of creative technologies.

Get Started Fast with Modern JavaScript Web Development! With the arrival of HTML5, jQuery, and Ajax, JavaScript web development skills are more valuable than ever! This complete, hands-on JavaScript tutorial covers everything you need to know now. Using line-by-line code walkthroughs and end-of-chapter exercises, top web developer and speaker Tim Wright will help you get results fast, even if you've never written a line of JavaScript before. Smart, friendly, enthusiastic, and packed with modern examples, Learning JavaScript covers both design-level and development-level JavaScript. You'll find expert knowledge and best practices for everything from jQuery and interface design to code organization and front-end templating. Wright's focused coverage includes regular break points and clear reviews that make modern JavaScript easier to learn—and easier to use! Learning JavaScript is your fastest route to success with JavaScript—whether you're entirely new to the language or you need to sharpen and upgrade skills you first learned a decade ago! Coverage includes

- Mastering all of the JavaScript concepts and terminology you need to write new programs or efficiently modify existing code
- Creating robust, secure code for both the design and development levels
- Maximizing usability, reusability, accessibility, clarity, security, and performance
- Taking full advantage of the browser environments your code will run in
- Accessing the DOM to create behaviors and data interactions
- Storing data for easy and efficient access
- Using variables, functions, loops, and other core language features
- Interacting with users through events
- Communicating with servers through Ajax
- Improving your productivity with JavaScript libraries

It's a beautifully illustrated full-color book that teaches JavaScript fundamentals through Metaphors, Analogies and Easy Step-by-Step Exercises"Learn JavaScript VISUALLY" is

a modern breakthrough that makes learning programming more intuitive, easier, and fun. Using the most basic approach to learning that we all inherently know from childhood, "Learn JavaScript VISUALLY" solves the comprehension problem that so many other books cannot seem to bridge. Visual learners retain information very differently than their left brained counter-parts, and thus benefit from different approaches. Full color illustrations help memory triggers as your brain never forgets an image, metaphor or schema. One page of a visual guide can equal one chapter of a conventional book as illustrations can make a world of difference over strictly words on a page! If you found yourself struggling with programming, then this visual guide is your answer.

JavaScript is at the heart of almost every modern Web application, whether it's Google Apps, Twitter, or the newest browser-based game. Though it's simple for beginners to pick up and play with, JavaScript is not a toy—it's a flexible and complex language that can be used to build full-scale applications. Eloquent JavaScript dives into this flourishing language and teaches you to write code that's beautiful and effective. By immersing you in example code and encouraging experimentation right from the start, the author quickly gives you the tools you need to build your own programs. As you follow along with examples like an artificial life simulation and a version of the classic game Sokoban, you'll learn to:

- Understand the essential elements of programming: syntax, control, and data
- Use object-oriented and functional programming techniques to organize and clarify your programs
- Script the browser and make basic Web applications
- Work with tools like regular expressions and XMLHttpRequest objects

And since programming is an art that's best learned by doing, all example code is available online in an interactive sandbox for you to experiment with. With Eloquent JavaScript as your guide, you can tweak, expand, and modify the author's code, or throw it away and build your own creations from scratch. Before you know it, you'll be fluent in the language of the Web.

This is an exciting time to learn JavaScript. Now that the latest JavaScript specification ECMAScript 6.0 (ES6) has been finalized, learning how to develop high-quality applications with this language is easier and more satisfying than ever. This practical book takes programmers (amateurs and pros alike) on a no-nonsense tour of ES6, along with some related tools and techniques. Author Ethan Brown ("Web Development with Node and Express") not only guides you through simple and straightforward topics (variables, control flow, arrays), but also covers complex concepts such as functional and asynchronous programming. You'll learn how to create powerful and responsive web applications on the client, or with Node.js on the server. Use ES6 today and transcompile code to portable ES5. Translate data into a format that JavaScript can use. Understand the basic usage and mechanics of JavaScript functions. Explore objects and object-oriented programming. Tackle new concepts such as iterators, generators, and proxies. Grasp the complexities of asynchronous programming. Work with the Document Object Model for browser-based apps. Learn Node.js fundamentals for developing server-side applications. Ready to learn JavaScript? Start Here! Learn the fundamentals of modern programming with JavaScript—and begin building your first apps for the web. If you have no previous experience with JavaScript, no problem—simply start here! This book introduces must-know concepts and techniques through easy-to-follow explanations, examples, and exercises. Here's where you start learning JavaScript. Learn the basics of JavaScript programming. Find out how to access browser content from JavaScript. Manage images and validate form entries. Retrieve data using the JavaScript Object Notation (JSON). Use JavaScript and HTML5 in Windows 8 applications. Put it all together by creating your first programs.

Learn JavaScript Visually CreateSpace

What will you learn from this book? Dive into C# and create apps, user interfaces, games, and more using this fun and highly visual introduction to C#, .NET Core, and Visual Studio. With this completely updated guide, which covers C# 8.0 and Visual Studio 2019, beginning programmers like you will build a fully functional game in the opening chapter. Then you'll learn how to use classes and object-oriented programming, create 3D games in Unity, and query data with LINQ. And you'll do it all by solving puzzles, doing hands-on exercises, and building real-world applications. By the time you're done, you'll be a solid C# programmer--and you'll have a great time along the way! What's so special about this book? Based on the latest research in cognitive science and learning theory, Head First C# uses a visually rich format to engage your mind rather than a text-heavy approach that puts you to sleep. Why waste your time struggling with new concepts? This multisensory learning experience is designed for the way your brain really works.

JavaScript: Beginner JavaScript Coding From The Ground Up Are you clueless about coding? Are you lost understanding computer languages? Are you intimidated by the learning curve? Don't be!

JavaScript is one of the most common and powerful computer languages around. It is easy to use, easy to understand, and is the driving force behind some of the most popular websites around. Facebook uses it. Google uses it. Netflix uses it, and yes --- even Amazon uses it. Would you like to learn how to use it? JavaScript: Beginner JavaScript Coding From The Ground Up is the first entry in a series of books designed to make JavaScript accessible to the novice user. This series will break up the material into bite-sized chunks, and take readers from uninitiated programmer to expert coder, with layman explanations and code examples. This entry will cover: - An introduction to the history and usage of JavaScript - Display operations - Variables - Data types - Functions - Strings - Your very first JavaScript program ...and much more! A journey of a thousand miles begins with a single step. Take the first step to becoming code savvy with one of the most popular, useful, powerful computer languages on the market. Buy JavaScript: Beginner JavaScript Coding From The Ground Up, and set yourself on your own personal path to coding greatness!

This introductory title in JavaScript targets one of the most popular programming languages for Web development. The title has a unique approach, using building blocks so readers have developed a complete Web site by the end of the title.

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