

javascript for programmers deitel

JavaScript for Programmers Deitel: A Deep Dive into Modern JavaScript Mastery

javascript for programmers deitel is more than just a book title; it represents a comprehensive approach to mastering JavaScript tailored specifically for developers who already have some programming background. If you're a programmer looking to expand your skill set into web development or enhance your existing JavaScript knowledge, this resource by Deitel & Deitel offers an insightful and structured pathway. In this article, we'll explore what makes "JavaScript for Programmers Deitel" a valuable learning tool, delve into the key concepts it covers, and discuss how it stands out from other JavaScript learning materials.

Understanding the Deitel Approach to JavaScript

Deitel & Deitel are renowned for their clear, example-driven teaching methodology. Their books usually focus on hands-on learning, emphasizing practical code examples and real-world applications. The "JavaScript for Programmers" book follows this tradition by providing a step-by-step guide that helps programmers grasp both fundamental and advanced JavaScript concepts through engaging exercises.

Unlike many beginner-focused tutorials, this book assumes that readers already possess some programming experience. This means that it doesn't waste time on very basic programming concepts but instead jumps straight into how those concepts apply within the JavaScript language. This approach makes it ideal for developers coming from other languages like Java, C++, or Python who want to transition smoothly into JavaScript.

Why Choose JavaScript for Programmers Deitel?

- **Comprehensive coverage:** From basic syntax and data types to advanced topics like asynchronous programming and JavaScript's event-driven architecture.
- **Practical examples:** Real-world code snippets that help solidify understanding.
- **Progressive learning curve:** Topics build on each other logically, making complex ideas easier to digest.
- **Focus on best practices:** Encourages writing clean, maintainable, and efficient JavaScript code.
- **Emphasis on modern JavaScript:** Incorporates ES6+ features that are essential in today's development environment.

Core Topics Covered in JavaScript for Programmers Deitel

The book is structured to guide readers through the essentials while gradually introducing more sophisticated programming paradigms.

JavaScript Fundamentals

One of the first strengths of this resource is its clear explanation of JavaScript basics. This includes variables, data types, operators, control structures, and functions. Even for programmers familiar with these concepts, the book's approach to explaining JavaScript's unique behaviors — such as dynamic typing and hoisting — provides crucial insights.

Understanding these fundamentals is vital because JavaScript behaves differently compared to other languages in several ways. For example, Deitel's explanation of how JavaScript handles scope and closures can help programmers avoid common pitfalls related to variable accessibility and memory management.

Object-Oriented Programming in JavaScript

Deitel's book offers a detailed look at object-oriented programming (OOP) within JavaScript. Unlike classical OOP languages, JavaScript uses prototypes rather than classes — although with ES6, class syntax was introduced to make this more familiar to developers.

The book carefully explains prototypes, inheritance, and how to create and use objects effectively. This section is particularly helpful for programmers used to strictly class-based OOP, as it clarifies how JavaScript's prototype chain works, enabling them to write more robust and flexible code.

Event-Driven Programming and the DOM

Interactivity is a cornerstone of modern web applications, and JavaScript's event-driven model is crucial to making this happen. The Deitel book explores how to handle events, manipulate the Document Object Model (DOM), and dynamically update web pages.

Learning how to respond to user actions like clicks, keyboard input, and mouse movements is thoroughly covered. The book also illustrates how event bubbling and capturing work, which are essential concepts for managing complex event interactions efficiently.

Asynchronous Programming: Callbacks, Promises, and Async/Await

In today's web development world, asynchronous programming is indispensable. The book dives into traditional callback functions before progressing to Promises and the modern `async/await` syntax. This progression helps programmers understand how to write non-blocking code, manage asynchronous operations, and handle errors gracefully.

This section is especially valuable because asynchronous JavaScript often trips up newcomers. Deitel's clear explanations and practical examples demystify these concepts, making them much more approachable.

Additional Insights from JavaScript for Programmers Deitel

Debugging and Testing JavaScript Code

Effective debugging and testing strategies are critical for any programmer. The book dedicates a portion to teaching readers how to use browser developer tools, set breakpoints, step through code, and inspect variables. It also touches on writing unit tests, which is often overlooked in beginner materials but essential for maintaining code quality.

Working with Modern JavaScript Features

The JavaScript language evolves rapidly, and staying current is vital. Deitel ensures readers are introduced to ES6+ features such as:

- Arrow functions
- Template literals
- Destructuring assignment
- Modules
- Spread and rest operators
- Let and const for block-scoped variables

By including these modern features, the book prepares programmers to write contemporary, efficient, and readable JavaScript code.

Integrating JavaScript with HTML5 and CSS3

To build compelling web applications, understanding how JavaScript interacts with HTML5 and CSS3 is crucial. The Deitel text offers practical advice on manipulating HTML elements, working with forms, and dynamically applying styles. This integration is vital for developers who want to create seamless user experiences.

Tips for Maximizing Your Learning with JavaScript for Programmers Deitel

While the book itself is an excellent resource, combining it with certain strategies can enhance your mastery of JavaScript:

1. ****Code Along:**** Don't just read — type out the examples yourself. Experiment with variations to see how changes affect behavior.
2. ****Build Small Projects:**** Apply concepts to mini-projects such as to-do lists, calculators, or

interactive forms to reinforce learning.

3. ****Use Developer Tools:**** Regularly use browser consoles and debugging tools as recommended in the book to understand how your code operates in real-time.

4. ****Stay Updated:**** Supplement your reading with current online resources, as JavaScript frameworks and best practices continue to evolve.

5. ****Join Communities:**** Engage with forums or local coding groups to discuss concepts and get feedback on your code.

How JavaScript for Programmers Deitel Fits into Your Learning Journey

If you're already comfortable with programming fundamentals but need a structured, in-depth guide to JavaScript, this book is a perfect match. It bridges the gap between beginner tutorials and advanced professional development resources by focusing on practical skills and modern language features.

Moreover, its emphasis on understanding JavaScript's quirks and strengths equips programmers to write efficient, maintainable, and scalable code — skills that are highly valued in today's job market.

Whether you aim to develop client-side web applications, dive into Node.js server-side programming, or simply enhance your JavaScript fluency, "JavaScript for Programmers Deitel" serves as a reliable and thorough companion.

Embarking on this learning path can transform your approach to JavaScript and open doors to countless opportunities in the tech world. As you progress, you'll find that the foundational knowledge and best practices ingrained through this resource make tackling real-world projects far more manageable and rewarding.

Frequently Asked Questions

What is the focus of the book 'JavaScript for Programmers' by Deitel?

The book 'JavaScript for Programmers' by Deitel focuses on teaching JavaScript programming concepts to individuals who already have some programming experience, emphasizing practical examples and problem-solving techniques.

Does 'JavaScript for Programmers' by Deitel cover modern JavaScript features like ES6 and beyond?

Yes, the latest editions of 'JavaScript for Programmers' by Deitel include coverage of modern JavaScript features such as ES6 syntax, arrow functions, classes, modules, and other contemporary programming practices.

Is 'JavaScript for Programmers' by Deitel suitable for beginners or only experienced programmers?

While the book is primarily aimed at programmers with prior coding experience, it provides clear explanations and examples that can also benefit beginners who are motivated to learn JavaScript systematically.

What learning approach does Deitel use in 'JavaScript for Programmers' to teach coding concepts?

Deitel employs a hands-on, example-driven approach in 'JavaScript for Programmers,' combining theoretical explanations with extensive sample code and exercises to reinforce understanding and practical skills.

Are there any supplementary materials available with 'JavaScript for Programmers' by Deitel?

Yes, Deitel often provides supplementary materials such as downloadable source code, instructor resources, and online tutorials that accompany 'JavaScript for Programmers' to enhance the learning experience.

Additional Resources

JavaScript for Programmers Deitel: A Professional Examination of Its Approach and Impact

javascript for programmers deitel represents a notable entry in the landscape of programming education, particularly for those seeking to deepen their understanding of JavaScript through a methodical and comprehensive resource. Authored by the renowned Deitel & Associates, this work targets programmers who are either new to JavaScript or looking to expand their existing knowledge with a structured guide that balances theory and practical application. In this analysis, we explore the book's positioning within the programming literature, its pedagogical approach, key features, and the value it brings to both novice and experienced developers navigating the dynamic world of JavaScript.

Understanding the Context of "JavaScript for Programmers Deitel"

Deitel & Associates have built a reputation for producing programming texts that emphasize clarity, detailed explanations, and an abundance of examples. The "JavaScript for Programmers" book fits squarely into this tradition. It is designed not just as a tutorial but as a reference that programmers can revisit as they confront real-world coding challenges. The book's commitment to covering JavaScript comprehensively—ranging from fundamental syntax and data types to advanced topics like asynchronous programming and modern ES6+ features—makes it a significant resource in comparison to many other JavaScript learning materials.

This approach is particularly appealing for programmers who already have some experience with other languages but want to transition into JavaScript's unique paradigms. Unlike beginner-centric JavaScript books that focus heavily on web development basics, "JavaScript for Programmers Deitel" balances foundational concepts with in-depth discussions on best practices, coding patterns, and application design.

Pedagogical Approach and Structure

The book adopts a step-by-step instructional model, starting with core JavaScript constructs such as variables, control structures, and functions. From there, it gradually introduces more complex topics, including closures, prototypes, and the Document Object Model (DOM). One of the standout elements of the Deitel methodology is the use of "live code" examples that encourage hands-on experimentation. These examples are often accompanied by detailed explanations, helping readers understand not only how to write code but why certain approaches are preferred.

Moreover, the book integrates exercises and programming challenges at the end of each chapter. These are designed to reinforce concepts and promote active learning, which is vital for mastering a language as versatile and asynchronous as JavaScript. The inclusion of modern JavaScript features, such as arrow functions, promises, async/await syntax, and modules, ensures that readers are not only learning legacy JavaScript but also the contemporary standards embraced by industry professionals.

Comprehensive Coverage of JavaScript Core Concepts

A critical strength of "JavaScript for Programmers Deitel" lies in its thorough treatment of JavaScript's core mechanics:

- **Data Types and Operators:** The book carefully explains primitive types, objects, and the nuances of type coercion, which is often a source of confusion for developers.
- **Functions and Scope:** It explores function declarations, expressions, and the implications of closures and lexical scoping, providing a solid foundation for understanding JavaScript's execution context.
- **Object-Oriented Programming:** Deitel's text delves into JavaScript's prototype-based inheritance system, contrasting it with classical inheritance models, which is particularly helpful for programmers coming from class-based languages.
- **Asynchronous Programming:** Recognizing the importance of asynchronous operations in JavaScript, the book covers callbacks, promises, and async/await, enabling readers to handle real-world asynchronous workflows smoothly.

The systematic progression through these topics ensures that readers develop a cohesive understanding of how individual concepts interrelate, which is often missing in more fragmented tutorials or online resources.

Comparative Analysis: Deitel's JavaScript Resource Versus Other Learning Materials

When assessing "JavaScript for Programmers Deitel" against contemporaneous JavaScript books, several distinguishing factors emerge. Firstly, the book's emphasis on programming fundamentals and best practices sets it apart from introductory guides that focus primarily on browser scripting or specific frameworks. This makes it particularly valuable for programmers who want to build a strong core skill set rather than learn a particular library or tool.

Secondly, unlike many JavaScript books that rapidly become outdated due to the language's evolving standards, Deitel's edition incorporates extensive coverage of ES6 and later features, ensuring relevance. The careful balance between theoretical explanations and practical coding exercises also caters to different learning styles, from conceptual readers to hands-on coders.

On the downside, some readers might find the book's pace deliberate, which may not suit those looking for a quick start or a lightweight introduction. Additionally, while the book covers DOM manipulation and event handling, it does not emphasize front-end frameworks like React or Vue.js, which have become critical in modern web development. However, this focus is intentional, as the Deitel approach prioritizes language fundamentals over framework-specific knowledge.

Who Benefits Most from This Book?

The ideal audience for "JavaScript for Programmers Deitel" includes:

- Experienced developers transitioning to JavaScript from other programming languages.
- Intermediate programmers who want to solidify their understanding of JavaScript's core concepts.
- Students and educators seeking a textbook that provides both theoretical and practical insights.
- Professionals interested in writing clean, maintainable JavaScript code without relying heavily on frameworks.

For beginners completely new to programming, the book might demand supplementary resources or prior programming experience to fully grasp some of the more advanced sections.

Technical Features and Learning Tools in the Book

"JavaScript for Programmers Deitel" is not just a static text; it incorporates several features designed to enhance the learning experience:

1. **Code Samples and Demonstrations:** Extensive code snippets illustrate each concept, often accompanied by explanations of potential pitfalls and debugging tips.
2. **Exercises and Quizzes:** Each chapter ends with exercises that encourage application of concepts, fostering retention and problem-solving skills.
3. **Case Studies:** Real-world examples demonstrate how JavaScript can be applied in various domains, such as web applications, server-side programming with Node.js, and event-driven interfaces.
4. **Progressive Complexity:** Topics are introduced in a logical sequence, allowing readers to build confidence before tackling more challenging subjects like closures and asynchronous programming.

These features collectively make the book a comprehensive toolkit for mastering JavaScript's intricacies.

Potential Limitations and Areas for Growth

While the book's strengths are evident, certain areas reflect the evolving nature of JavaScript and programming education:

- **Limited Coverage of Modern Frameworks:** Given the prominence of React, Angular, and Vue.js in contemporary development, the absence of dedicated sections on these tools may limit the book's appeal to developers seeking framework-specific training.
- **Minimal Focus on Tooling and Ecosystem:** Topics such as npm, webpack, Babel, and testing frameworks receive limited attention, though these are integral to modern JavaScript workflows.
- **Static Print Format:** While the book includes many code examples, interactive or online supplementations could further enhance engagement and real-time experimentation.

Despite these limitations, the book's core focus on language fundamentals remains its primary strength, providing lasting value amid shifting front-end and back-end trends.

Positioning JavaScript for Programmers Deitel in the Current Programming Landscape

In a market saturated with JavaScript tutorials, online courses, and rapidly changing frameworks, a resource like "JavaScript for Programmers Deitel" stands out for its dedication to foundational knowledge. It appeals to programmers who understand that mastering the language itself is crucial

before diving into specific frameworks or libraries.

Moreover, the book serves as a bridge between academic programming concepts and practical application, making it suitable for both classroom use and professional self-study. Its detailed approach encourages disciplined learning, which can be particularly beneficial for programmers seeking to avoid the pitfalls of fragmented or superficial JavaScript knowledge.

The Deitel brand's credibility also adds to the book's appeal, as readers can expect rigorous explanations, consistent terminology, and a well-organized presentation of material.

As JavaScript continues to evolve—expanding beyond browsers into server-side environments, mobile apps, and even desktop applications—the need for a solid grasp of core language principles only grows. "JavaScript for Programmers Deitel" remains a relevant resource for those aiming to build robust, scalable, and maintainable JavaScript codebases.

By focusing on language fundamentals, asynchronous programming models, and object-oriented techniques, the book equips readers to adapt to future developments and emerging JavaScript paradigms with confidence.

In summary, "JavaScript for Programmers Deitel" offers a thorough and professional guide that balances theory and practice. Its detailed coverage, structured learning path, and emphasis on best practices make it a valuable resource for programmers who seek a deep understanding of JavaScript beyond surface-level scripting. While it may not cater to those looking for immediate framework-specific training, its foundational approach ensures that readers gain the skills necessary to thrive in the diverse and rapidly changing ecosystem of JavaScript development.

[Javascript For Programmers Deitel](#)

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javascript for programmers deitel: JavaScript for Programmers Paul J. Deitel, Harvey M. Deitel, 2009-03-16 The practicing programmer's Deitel® guide to XHTML®, CSS®, JavaScript™, XML® and Ajax RIA development. This book applies the Deitel signature live-code approach to teaching the client side of Rich Internet Applications (RIA) development. The book presents concepts in the context of 100+ fully tested programs (6,000+ lines of code), complete with syntax shading, detailed descriptions and sample outputs. The book features over 150 tips that will help you build robust client-side web applications. Start with an introduction to Extensible HyperText Markup Language (XHTML®) and Cascading Style Sheets (CSS®), then rapidly move on to the details of JavaScript™ programming. Finish with more advanced client-side development technologies including XHTML's Document Object Model (DOM®), Extensible Markup Language (XML®), XML's DOM, JavaScript Object Notation (JSON) and Asynchronous JavaScript and XML (Ajax). When you're finished, you'll have everything you need to build the client side of Web 2.0 Rich Internet

Applications (RIAs). The book culminates with several substantial Ajax-enabled RIAs, including a book cover viewer (JavaScript/DOM), an address book (Ajax/consuming web services) and a calendar application (Ajax/Dojo/consuming web services). The Deitel® Developer Series is designed for professional programmers. The series presents focused treatments of emerging technologies, including .NET, Java™, web services, Internet and web development and more.

javascript for programmers deitel: JavaScript! for Programmers Harvey M. Deitel - Deitel & Associates, Inc, 2009 A Video Enhanced book which contains embedded links to instructional videos from: Javascript Fundamentals I and II LiveLessons (Video Training) by Paul J. Deitel. <https://ssl.safaribooksonline.com/9780137045167> PRACTICAL, EXAMPLE-RICH COVERAGE OF: XHTML® CSS® JavaScript! Control Statements, Functions, Arrays, Objects JSON (JavaScript Object Notation) XHTML DOM®: Objects and Collections JavaScript Event-Driven Programming XML® and RSS XML DOM Rich Internet Applications Asynchronous JavaScript and XML (Ajax) XMLHttpRequest Dojo Toolkit Consuming Web Services And more ... VISIT WWW.DEITEL.COM Download code examples Check out the growing list of programming, Web 2.0 and software-related Resource Centers To receive updates for this book, subscribe to the free Deitel ® Buzz Online e-mail newsletter at www.deitel.com/newsletter/subscribe.html Read archived issues of the Deitel ® Buzz Online Contact deitel@deitel.com for information on corporate training courses delivered on-site worldwide The practicing programmer's Deitel ® guide to XHTML ®, CSS ®, JavaScript !, XML ® and Ajax RIA development. This book applies the Deitel signature live-code approach to teaching the client side of Rich Internet Applications (RIA) development. The book presents concepts in the context of 100+ fully tested programs (6,000+ lines of code), complete with syntax shading, detailed descriptions and sample outputs. The book features over 150 tips that will help you build robust client-side web applications. Start with an introduction to Extensible HyperText Markup Language (XHTML®) and Cascading Style Sheets (CSS®), then rapidly move on to the details of JavaScript! programming. Finish with more advanced client-side development technologies including XHTML's Document Object Model (DOM®), Extensible Markup Language (XML®), XML's DOM, JavaScript Object Notation (JSON) and Asynchronous JavaScript and XML (Ajax). When you're finished, you'll have everything you need to build the client side of Web 2.0 Rich Internet Applications (RIAs). The book culminates with several substantial Ajax-enabled RIAs, including a book cover viewer (JavaScript/DOM), an address book (Ajax/consuming web services) and a calendar application (Ajax/Dojo/consuming web services). The Deitel® Developer Series is designed for professional programmers. The series presents focused treatments of emerging technologies, including .NET, Java! web services, Internet and web development and more. Pre-Publi ...

javascript for programmers deitel: Embedded Microprocessor System Design using FPGAs Uwe Meyer-Baese, 2025-05-29 This textbook for courses in Embedded Systems introduces students to necessary concepts, through a hands-on approach. It gives a great introduction to FPGA-based microprocessor system design using state-of-the-art boards, tools, and microprocessors from Altera/Intel® and Xilinx®. HDL-based designs (soft-core), parameterized cores (Nios II and MicroBlaze), and ARM Cortex-A9 design are discussed, compared and explored using many hand-on designs projects. Custom IP for HDMI coder, Floating-point operations, and FFT bit-swap are developed, implemented, tested and speed-up is measured. New additions in the second edition include bottom-up and top-down FPGA-based Linux OS system designs for Altera/Intel® and Xilinx® boards and application development running on the OS using modern popular programming languages: Python, Java, and JavaScript/HTML/CSSs. Downloadable files include all design examples such as basic processor synthesizable code for Xilinx and Altera tools for PicoBlaze, MicroBlaze, Nios II and ARMv7 architectures in VHDL and Verilog code, as well as the custom IP projects. For the three new OS enabled programming languages a substantial number of examples ranging from basic math and networking to image processing and video animations are provided. Each Chapter has a substantial number of short quiz questions, exercises, and challenging projects.

javascript for programmers deitel: Java SE8 for Programmers Paul J. Deitel, Harvey Deitel, 2014-03-29 The professional programmer's Deitel® guide to Java™ SE 7 and SE 8 (Java 8)

development with the powerful Java™ platform. Written for programmers with a background in high-level language programming, this book applies the Deitel signature live-code approach to teaching programming and explores the Java™ language and Java™ APIs in depth. The book presents concepts in the context of fully tested programs, complete with syntax shading, code highlighting, line-by-line code walkthroughs and program outputs. The book features hundreds of complete Java™ programs with thousands of lines of proven Java™ code, and hundreds of tips that will help you build robust applications. Start with an introduction to Java™ using an early classes and objects approach, then rapidly move on to more advanced topics, including GUI, graphics, exception handling, lambdas, streams, functional interfaces, object serialization, concurrency, generics, generic collections, JDBC™ and more. You'll enjoy the Deitels' classic treatment of object-oriented programming and the object-oriented design ATM case study, including a complete Java™ implementation. When you're finished, you'll have everything you need to build industrial-strength object-oriented Java™ SE 7 and SE 8 (Java 8) applications.

Practical, Example-Rich Coverage of:

- Java™ SE 7 and SE 8 (Java 8)
- Lambdas, Streams, Functional Interfaces with Default and Static Methods
- Classes, Objects, Encapsulation, Inheritance, Polymorphism, Interfaces
- Swing and JavaFX GUIs; Graphics
- Integrated Exception Handling
- Files, Streams, Object Serialization
- Multithreading and Concurrency for Optimal Multi-Core Performance
- Generics and Generic Collections
- Database (JDBC™, SQL and JavaDB)
- Using the Debugger and the API Docs
- Industrial-Strength, Object-Oriented Design ATM Case Study and more.

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javascript for programmers deitel: *The Object-Oriented Thought Process* Matt Weisfeld, 2013-03-05 The Object-Oriented Thought Process, Fourth Edition An introduction to object-oriented concepts for developers looking to master modern application practices Object-oriented programming (OOP) is the foundation of modern programming languages, including C++, Java, C#, Visual Basic .NET, Ruby, and Objective-C. Objects also form the basis for many web technologies such as JavaScript, Python, and PHP. It is of vital importance to learn the fundamental concepts of object orientation before starting to use object-oriented development environments. OOP promotes good design practices, code portability, and reuse—but it requires a shift in thinking to be fully understood. Programmers new to OOP should resist the temptation to jump directly into a particular programming language (such as Objective-C, VB .NET, C++, C# .NET, or Java) or a modeling language (such as UML), and instead first take the time to learn what author Matt Weisfeld calls “the object-oriented thought process.” Written by a developer for developers who want to make the leap to object-oriented technologies, *The Object-Oriented Thought Process* provides a solutions-oriented approach to object-oriented programming. Readers will learn to understand the proper uses of inheritance and composition, the difference between aggregation and association, and the important distinction between interfaces and implementations. While programming technologies have been changing and evolving over the years, object-oriented concepts remain a constant—no matter what the platform. This revised edition focuses on interoperability across programming technologies, whether you are using objects in traditional application design, in XML-based data transactions, in web page development, in mobile apps, or in any modern programming environment. “Programmers who aim to create high quality software—as all programmers should—must learn the varied subtleties of the familiar yet not so familiar beasts called objects and classes. Doing so entails careful study of books such as Matt Weisfeld’s *The Object-Oriented Thought Process*.” —Bill McCarty, author of *Java Distributed Objects*, and *Object-Oriented Design in Java*

Contents at a Glance

- 1 Introduction to Object-Oriented Concepts
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How to Think in Terms of Objects 3 Advanced Object-Oriented Concepts 4 The Anatomy of a Class 5 Class Design Guidelines 6 Designing with Objects 7 Mastering Inheritance and Composition 8 Frameworks and Reuse: Designing with Interfaces and Abstract Classes 9 Building Objects and Object-Oriented Design 10 Creating Object Models 11 Objects and Portable Data: XML and JSON 12 Persistent Objects: Serialization, Marshaling, and Relational Databases 13 Objects in Web Services, Mobile Apps, and Hybrids 14 Objects and Client/Server Applications 15 Design Patterns

javascript for programmers deitel: iOS 8 for Programmers Paul Deitel, Harvey M. Deitel, Abbey Deitel, 2014-12-15 The professional programmer's Deitel® guide to iPhone® and iPad® app development using iOS® 8, Swift™, Xcode® 6, and Cocoa Touch® This book presents leading-edge computing technologies for professional software developers. At the heart of the book is the Deitel "app-driven approach" – a variant of Deitel's live-code approach – concepts are presented in the context of complete working iOS apps, rather than using code snippets. The introduction and app test drives at the beginning of each chapter show one or more sample executions. The book's source code is available at: www.deitel.com/books/iOS8FP1. ¿ You'll quickly learn everything you need to start building iOS 8 apps – beginning with a test-drive of the Tip Calculator app in Chapter 1, then building your first apps in Chapter 2 with visual programming and in Chapter 3 with Swift. By the time you reach Chapter 9, you'll be ready to create your own apps for submission to the App Store. We'll overview the submission process, including uploading your apps, deciding whether to sell your apps or offer them for free, and marketing them using in-app advertising, social media, Internet public relations and more. ¿

javascript for programmers deitel: C for Programmers with an Introduction to C11 Paul Deitel, Harvey Deitel, 2013-04-19 The professional programmer's Deitel® guide to procedural programming in C through 130 working code examples Written for programmers with a background in high-level language programming, this book applies the Deitel signature live-code approach to teaching the C language and the C Standard Library. The book presents the concepts in the context of fully tested programs, complete with syntax shading, code highlighting, code walkthroughs and program outputs. The book features approximately 5,000 lines of proven C code and hundreds of savvy tips that will help you build robust applications. Start with an introduction to C, then rapidly move on to more advanced topics, including building custom data structures, the Standard Library, select features of the new C11 standard such as multithreading to help you write high-performance applications for today's multicore systems, and secure C programming sections that show you how to write software that is more robust and less vulnerable. You'll enjoy the Deitels' classic treatment of procedural programming. When you're finished, you'll have everything you need to start building industrial-strength C applications. Practical, example-rich coverage of: C programming fundamentals Compiling and debugging with GNU gcc and gdb, and Visual C++® Key new C11 standard features: Type generic expressions, anonymous structures and unions, memory alignment, enhanced Unicode® support, _Static_assert, quick_exit and at_quick_exit, _Noreturn function specifier, C11 headers C11 multithreading for enhanced performance on today's multicore systems Secure C Programming sections Data structures, searching and sorting Order of evaluation issues, preprocessor Designated initializers, compound literals, bool type, complex numbers, variable-length arrays, restricted pointers, type generic math, inline functions, and more. Visit www.deitel.com For information on Deitel's Dive Into® Series programming training courses delivered at organizations worldwide visit www.deitel.com/training or write to deitel@deitel.com Download code examples To receive updates for this book, subscribe to the free DEITEL® BUZZ ONLINE e-mail newsletter at www.deitel.com/newsletter/subscribe.html Join the Deitel social networking communities on Facebook® at facebook.com/DeitelFan, Twitter® @deitel, LinkedIn® at bit.ly/DeitelLinkedIn and Google+™ at gplus.to/Deitel

javascript for programmers deitel: Swift for Programmers Paul J. Deitel, Harvey Deitel, 2015-01-16 The professional programmer's Deitel® guide to Apple's new Swift programming language for the iOS® and OS X® platforms ¿ Written for programmers with a background in object-oriented programming in a C-based language like Objective-C, Java, C# or C++, this book

applies the Deitel signature live-code approach with scores of complete, working, real-world programs to explore the new Swift language in depth. The code examples feature syntax shading, code highlighting, rich commenting, line-by-line code walkthroughs and live program outputs. The book features thousands of lines of proven Swift code, and tips that will help you build robust applications. *¿* Start with an introduction to Swift using an early classes and objects approach, then rapidly move on to more advanced topics. When you master the material, you'll be ready to build industrial-strength object-oriented Swift applications. About This Book *¿* The Swift™ programming language was arguably the most significant announcement at Apple's 2014 Worldwide Developers Conference. Although apps can still be developed in Objective-C®, Apple says that Swift is its applications programming and systems programming language of the future. *¿* Swift is a contemporary language with simpler syntax than Objective-C. Because Swift is new, its designers were able to include popular programming language features from languages such as Objective-C, Java™, C#, Ruby, Python® and many others. These features include automatic reference counting (ARC), type inference, optionals, String interpolation, tuples, closures (lambdas), extensions, generics, operator overloading, functions with multiple return values, switch statement enhancements and more. We've been able to develop apps more quickly in Swift than with Objective-C and the code is shorter, clearer and runs faster on today's multi-core architectures. *¿* Swift also eliminates the possibility of many errors common in other languages, making your code more robust and secure. Some of these error-prevention features include no implicit conversions, ARC, no pointers, required braces around every control statement's body, assignment operators that do not return values, requiring initialization of all variables and constants before they're used, array bounds checking, automatic checking for overflow of integer calculations, and more. You can combine Swift and Objective-C in the same app to enhance existing Objective-C apps without having to rewrite all the code. Your apps will easily be able to interact with the Cocoa®/Cocoa Touch® frameworks, which are largely written in Objective-C. *¿* You can also use the new Xcode playgrounds with Swift. A playground is an Xcode window in which you can enter Swift code that compiles and executes as you type it. This allows you to see and hear your code's results as you write it, quickly find and fix errors, and conveniently experiment with features of Swift and the Cocoa/Cocoa Touch frameworks. *¿* Practical, Example-Rich Coverage of: Classes, Objects, Methods, Properties Initializers, Deinitializers, Bridging Tuples, Array and Dictionary Collections Structures, Enumerations, Closures, ARC Inheritance, Polymorphism, Protocols Type Methods, Type Properties Generics; Strings and Characters Operator Overloading, Operator Functions, Custom Operators, Subscripts Access Control; Type Casting and Checking Nested Types, Nested Methods Optionals, Optional Chaining, Extensions Xcode, Playgrounds, Intro to Cocoa Touch® with a Fully Coded iOS® 8 Tip Calculator App Overflow Operators, Attributes, Patterns More topics online *¿* IMPORTANT NOTE ABOUT XCODE AND SWIFT: With Xcode 6.3 and Swift 1.2, Apple introduced several changes in Swift that affect the book's source code. Please visit www.deitel.com/books/iOS8FP1 for updated source code. The changes do not affect Xcode 6.2 users. You can download Xcode 6.2 from developer.apple.com/downloads/index.action (you'll have to log in with your Apple developer account to see the list of downloads). *¿* Visit www.deitel.com Download code examples For information on Deitel's Dive Into® Series programming training courses delivered at organizations worldwide visit www.deitel.com/training or to deitel@deitel.com Join the Deitel social networking communities on Facebook® at facebook.com/DeitelFan, Twitter® at [@deitel](https://twitter.com/@deitel), Google+™ at google.com/+DeitelFan, LinkedIn® at bit.ly/DeitelLinkedIn, YouTube™ at youtube.com/user/DeitelTV and subscribe to the Deitel® Buzz Online e-mail newsletter at www.deitel.com/newsletter/subscribe.html *¿*

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