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Deep learning is often viewed as the exclusive domain of math PhDs and big tech companies. But as this hands-on guide demonstrates, programmers comfortable with Python can achieve impressive results in deep learning with little math background, small amounts of data, and minimal code. How? With fastai, the first library to provide a consistent interface to the most frequently used deep learning applications. Authors Jeremy Howard and Sylvain Gugger, the creators of fastai, show you how to train a model on a wide range of tasks using fastai and PyTorch. You'll also dive progressively further into deep learning theory to gain a complete understanding of the algorithms behind the scenes. Train models in computer vision, natural language processing, tabular data, and collaborative filtering Learn the latest deep learning techniques that matter most in practice Improve accuracy, speed, and reliability by understanding how deep learning models work Discover how to turn your models into web applications Implement deep learning algorithms from scratch Consider the ethical implications of your work Gain insight from the foreword by PyTorch cofounder, Soumith Chintala Learn the art of PHP programming through this example-rich book filled to the

brim with tutorials every PHP developer needs to know About This Book Set up the PHP environment and get started with web programming Leverage the potential of PHP for server-side programming, memory management, and object-oriented programming (OOP) This book is packed with real-life examples to help you implement the concepts as you learn Who This Book Is For If you are a web developer or programmer who wants to create real-life web applications using PHP 7, or a beginner who wants to get started with PHP 7 programming, this book is for you. Prior knowledge of PHP, PHP 7, or programming is not mandatory. What You Will Learn Set up a server on your machine with PHP Use PHP syntax with the built-in server to create apps Apply the OOP paradigm to PHP to write richer code Use MySQL to manage data in your web applications Create a web application from scratch using MVC Add tests to your web application and write testable code Use an existing PHP framework to build and manage your applications Build REST APIs for your PHP applications Test the behavior of web applications with Behat In Detail PHP is a great language for building web applications. It is essentially a server-side scripting language that is also used for general purpose programming. PHP 7 is the latest version with a host of new features, and it provides major backwards-compatibility breaks. This book begins with the fundamentals of PHP programming by covering the basic concepts such as variables, functions, class, and objects. You will set up PHP server on your machine and learn to read and write procedural PHP code. After getting an understanding of OOP as a paradigm, you will execute MySQL queries on your database. Moving on, you will find out how to use MVC to create applications from scratch and add tests. Then, you will build REST APIs and perform behavioral tests on your applications. By the end of the book, you will have the skills required to read and write files, debug, test, and work with MySQL. Style and approach This book begins with the basics that all PHP developers use every day and then dives

deep into detailed concepts and tricks to help you speed through development. You will be able to learn the concepts by performing practical tasks and implementing them in your daily activities, all at your own pace. Want to learn the Python language without slogging your way through how-to manuals? With *Head First Python*, you'll quickly grasp Python's fundamentals, working with the built-in data structures and functions. Then you'll move on to building your very own webapp, exploring database management, exception handling, and data wrangling. If you're intrigued by what you can do with context managers, decorators, comprehensions, and generators, it's all here. This second edition is a complete learning experience that will help you become a bonafide Python programmer in no time. Why does this book look so different? Based on the latest research in cognitive science and learning theory, *Head First Python* 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 multi-sensory learning experience is designed for the way your brain really works. This is the print version of my online *Java 8 Programmer II Study Guide*. The exam for the Oracle Certified Professional, Java SE 8 Programmer certification is hard. New APIs, lambdas, and streams, it covers a lot. But this book can help you. This book has complete coverage of the Java 8 SE Programmer II (1Z0-809) exam objectives. Each chapter presents the content in a simple and conversational style to facilitate the comprehension of the topics. You'll also find key points and sample questions at the end of each chapter to reinforce key concepts and prepare you for the real exam. Most study guides follow the topic structure of the certification exam. This book doesn't. The chapters are organized in a way I feel it's more natural to present the topics: Part One | Class Design One. Encapsulation and Immutable Classes Two. Inheritance and Polymorphism Three. Inner Classes Four. Interfaces Five. Enumerations Part Two | Generics and Collections Six. Generics Seven . . .

Collections Part Three | Lambda Expressions Eight. Functional Interfaces Nine. Lambda Expressions Ten. Java Built-In Lambda Interfaces Eleven. Method References Part Four | Streams and Collections Twelve. Streams Thirteen. Iterating and Filtering Collections Fourteen. Optional Class Fifteen. Data Search Sixteen. Stream Operations on Collections Seventeen. Parallel Streams Eighteen. Peeking, Mapping, Reducing and Collecting Nineteen. Files and Streams Part Five | Exceptions and Assertions Twenty. Exceptions Twenty-one. Assertions Part Six | Date/Time API Twenty-two. Core Date/Time Classes Twenty-three. Time Zones and Daylight Savings Part Seven | Java I/O Twenty-four. Java I/O Fundamentals Twenty-five. NIO.2 Part Eight | Concurrency Twenty-six. Thread Basics Twenty-seven. Concurrency Twenty-eight. Fork/Join Framework Part Nine | JDBC and Localization Twenty-nine. JDBC API Thirty. Localization Summary

This book is a comprehensive guide to the 1Z0-803 exam. You'll explore a wide range of important Java topics as you systematically learn how to pass the certification exam. Each chapter starts with a list of the exam objectives covered in that chapter. You'll find sample questions and exercises designed to reinforce key concepts and to prepare you for what you'll see in the real exam, along with numerous tips, notes, and visual aids throughout the book.

About This Book To earn the OCA Java SE 7 Programmer Certification, you need to know your Java inside and out, and to pass the exam it's good to understand the test itself. This book cracks open the questions, exercises, and expectations you'll face on the OCA exam so you'll be ready and confident on test day.

OCA Java SE 7 Programmer I Certification Guide is a comprehensive guide to the 1Z0-803 exam. You'll explore important Java topics as you systematically learn what is required. Each chapter starts with a list of exam objectives, followed by sample questions and exercises designed to reinforce key concepts. It provides multiple ways to digest important techniques and concepts, including analogies, diagrams, flowcharts, and lots of well-

commented code. Written for developers with a working knowledge of Java who want to earn the OCA Java SE 7 Programmer I Certification. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. What's Inside Covers all exam topics Hands-on coding exercises How to avoid built-in traps and pitfalls About the Author Mala Gupta has been training programmers to pass Java certification exams since 2006. She holds OCA Java SE7 Programmer I, SCWCD, and SCJP certifications. Table of Contents Introduction Java basics Working with Java data types Methods and encapsulation String, StringBuilder, Arrays, and ArrayList Flow control Working with inheritance Exception handling Full mock exam The official study guide for the entry-level Oracle Certified Associate exam for Java Programmers—fully updated for Java SE 8 Confidently prepare for the OCA Java SE 8 Programmer I exam with this thoroughly revised, up-to-date guide from Oracle Press. Featuring step-by-step exercises, comprehensive chapter self-tests, and two complete downloadable practice exams, this volume provides an integrated, easy-to-follow study system based on a proven methodology. OCA Java SE 8 Programmer I Study Guide (Exam 1Z0-808) offers the most complete and in-depth coverage of all of the exam objectives, and also serves as an essential on-the-job reference for Java developers. You'll have access to a total of more than 250 challenging practice questions that precisely mirror the content of the live exam—no other guide on the market provides the same level of accuracy and detail. Questions accurately simulate the type and style of questions found on the actual test Includes special "Exam Watch," "Inside the Exam," and "On the Job" sections Downloadable MAC and PC compatible test engine includes two complete practice exams Easily get started programming using the ultra-versatile C# 7 and Visual Studio 2017 Beginning C# 7 Programming with Visual Studio 2017 is the beginner's ultimate guide to the world's most popular programming language. Whether you're new to programming entirely,

or just new to C#, there has never been a better time to get started. The new C# 7 and Visual Studio 2017 updates feature a number of new tools and features that streamline the workflow, simplify the code, and make it easier than ever to build high-quality apps. This book walks you through everything you need to know, starting from the very basics, to have you programming in no time. You'll learn about variables, flow control, and object oriented programming, then move into Web and Windows programming as well as databases and XML. The companion website provides downloadable code examples, and practical Try It Out sections provide explicit, step-by-step instructions for writing your own useful, customizable code. C# 7 can be used to build Windows applications, program Windows 10, and write Web apps when used alongside ASP.NET. With programming skills becoming de rigueur in fields far beyond the tech world, C# 7 is a great place to start building versatile, helpful skills. This book gets you started quickly and easily with instruction from a master-team of C# programmers. Learn how to program using the world's leading programming language Build smarter, faster apps using the latest features in C# 7 and Visual Studio 2017 Find and fix bugs sooner, saving headaches down the line Integrate with all .NET Core, Azure applications, cloud services, Docker containers, and more The world of programming can seem intimidating to a beginner, and the prospect of learning a whole new "language" can seem daunting. Beginning C# 7 Programming with Visual Studio 2017 demystifies the process and shows you how to bring your ideas to life. Summary This book is a comprehensive guide to the 1Z0-803 exam. You'll explore a wide range of important Java topics as you systematically learn how to pass the certification exam. Each chapter starts with a list of the exam objectives covered in that chapter. You'll find sample questions and exercises designed to reinforce key concepts and to prepare you for what you'll see in the real exam, along with numerous tips, notes, and visual aids throughout the

book. About This Book To earn the OCA Java SE 7 Programmer Certification, you need to know your Java inside and out, and to pass the exam it's good to understand the test itself. This book cracks open the questions, exercises, and expectations you'll face on the OCA exam so you'll be ready and confident on test day. OCA Java SE 7 Programmer I Certification Guide is a comprehensive guide to the 1Z0-803 exam. You'll explore important Java topics as you systematically learn what is required. Each chapter starts with a list of exam objectives, followed by sample questions and exercises designed to reinforce key concepts. It provides multiple ways to digest important techniques and concepts, including analogies, diagrams, flowcharts, and lots of well-commented code. Written for developers with a working knowledge of Java who want to earn the OCA Java SE 7 Programmer I Certification. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. What's Inside Covers all exam topics Hands-on coding exercises How to avoid built-in traps and pitfalls About the Author Mala Gupta has been training programmers to pass Java certification exams since 2006. She holds OCA Java SE7 Programmer I, SCWCD, and SCJP certifications. Table of Contents Introduction Java basics Working with Java data types Methods and encapsulation String, StringBuilder, Arrays, and ArrayList Flow control Working with inheritance Exception handling Full mock exam This book covers OCA Java exam 1Z0-803. This is an entry level Java cert exam. All you need is to pass one exam 1Z0-803 in order to pass. The topics covered include: Java Basics Working With Java Data Types Using Operators and Decision Constructs Creating and Using Arrays Using Loop Constructs Working with Methods and Encapsulation Working with Inheritance Handling Exceptions We give you knowledge information relevant to the exam specifications. To be able to succeed in the real exam, you'll need to apply your earned knowledge to the question scenarios. This ExamFOCUS book focuses on the more difficult topics

that will likely make a difference in exam results. This is NOT an intro guide to Java programming. This book is for exam prep purpose only! This OCP Oracle Certified Professional Java SE 11 Programmer I Study Guide: Exam 1Z0-815 and the Programmer II Study Guide: Exam 1Z0-816 were published before Oracle announced major changes to its OCP certification program and the release of the new Developer 1Z0-819 exam. No matter the changes, rest assured both of the Programmer I and II Study Guides cover everything you need to prepare for and take Exam 1Z0-819. If you've purchased one of the Programmer Study Guides, purchase the other one and you'll be all set. em style="font-family: Arial; font-size: 13.3333px;"NOTE: The OCP Java SE 11 Programmer I Exam 1Z0-815 and Programmer II Exam 1Z0-816 have been retired (as of October 1, 2020), and Oracle has released a new Developer Exam 1Z0-819 to replace the previous exams. The Upgrade Exam 1Z0-817 remains the same. The completely-updated preparation guide for the new OCP Oracle Certified Professional Java SE 11 Programmer II exam—covers Exam 1Z0-816 Java, a platform-independent, object-oriented programming language, is used primarily in mobile and desktop application development. It is a popular language for client-side cloud applications and the principal language used to develop Android applications. Oracle has recently updated its Java Programmer certification tracks for Oracle Certified Professional. OCP Oracle Certified Professional Java SE 11 Programmer II Study Guide ensures that you are fully prepared for this difficult certification exam. Covering 100% of exam objectives, this in-depth study guide provides comprehensive coverage of the functional-programming knowledge necessary to succeed. Every exam topic is thoroughly and completely covered including exceptions and assertions, class design, generics and collections, threads, concurrency, IO and NIO, and more. Access to Sybex's superior online interactive learning environment and test bank—including self-assessment tests, chapter tests, bonus practice exam

questions, electronic flashcards, and a searchable glossary of important terms—provides everything you need to be fully prepared on exam day. This must-have guide: Covers all exam objectives such as inheriting abstract classes and interfaces, advanced strings and localization, JDBC, and Object-Oriented design principles and patterns Explains complex material and reinforces your comprehension and retention of important topics Helps you master more advanced areas of functional programming Demonstrates practical methods for building Java solutions OCP Oracle Certified Professional Java SE 11 Programmer II Study Guide will prove invaluable for anyone seeking achievement of this challenging exam, as well as junior- to senior-level programmers who uses Java as their primary programming language. Summary OCP Java SE 7 Programmer II Certification Guide is a concise, focused study guide that prepares you to pass the OCP Java SE 7 Programmer II exam (1Z0-804) the first time you take it. The book systematically guides you through each exam objective, teaching and reinforcing the Java skills you need through examples, exercises, and cleverly constructed visual aids. In every chapter you'll find questions just like the ones you'll face in the real exam. Exam tips, diagrams, and review notes structure the learning process for easy retention. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the Book The OCP Java 7 certification tells potential employers that you've mastered the language skills you need to design and build professional-quality Java software. Passing the OCP isn't just about knowing your Java, though. You have to also know what to expect on the exam and how to beat the built-in tricks and traps. OCP Java SE 7 Programmer II Certification Guide is a comprehensive, focused study guide that prepares you to pass the OCP exam the first time you take it. It systematically guides you through each exam objective, reinforcing the Java skills you need through examples, exercises, and cleverly constructed visual aids. In every chapter you'll

find questions just like the ones you'll face on the real exam. Tips, diagrams, and review notes give structure to the learning process to improve your retention. Designed for readers with intermediate-level Java skills. What's Inside 100% coverage of the OCP Java SE 7 Programmer II exam (1Z0-804) Flowcharts, UML diagrams, and other visual aids Hands-on coding exercises Focuses on passing the exam, not the Java language itself About the Author Mala Gupta has been training programmers to pass Java certification exams since 2006. She holds the OCP Java SE 7 Programmer, SCWCD, and SCJP certifications and is the author of OCA Java SE 7 Programmer I Certification Guide (Manning 2013). Table of Contents Java class design Advanced class design Object-oriented design principles Generics and collections String processing Exceptions and assertions Java I/O fundamentals Java file I/O (NIO.2) Building database applications with JDBC Threads Concurrency Localization Bonus online chapter - Mock exam Focusing 100% on the objectives for the latest certification, OCP Oracle Certified Professional Java SE 17 Developer Study Guide: Exam 1Z0-829 is organized to make you fully prepared to understand the job role of a Java developer and to take the exam. In particular, developers will need to learn functional programming to pass the certification. This comprehensive Study Guide covers all of the key topic areas that Java programmers need to be familiar with, including: Handling date, time, text, numeric and boolean values Controlling Program Flow Utilizing Java Object-Oriented Approach Handling Exceptions Working with Arrays and Collections Working with Streams and Lambda expressions Packaging and deploying Java code and using the Java Platform Module System Managing concurrent code execution Using Java I/O API Accessing databases using JDBC Implementing Localization Readers also get access to Sybex's superior online interactive learning environment and test bank, including an assessment test, chapter tests, bonus practice exam questions, electronic flashcards, and a searchable Glossary of the most important

terms readers need to understand. This guide was written for readers interested in learning the C++ programming language from scratch, and for both novice and advanced C++ programmers wishing to enhance their knowledge of C++. The text is organized to guide the reader from elementary language concepts to professional software development, with in depth coverage of all the C++ language elements en route. Oracle Certified Professional Java SE 7 Programmer Exams 1Z0-804 and 1Z0-805 is a concise, comprehensive, step-by-step, and one-stop guide for the Oracle Certified Professional Java SE 7 Programmer Exam. The first two chapters set the stage for exam preparation and let the reader get started quickly. The first chapter answers frequently asked questions about the OCPJP exam. This book assumes that the reader is already familiar with Java fundamentals which is in line with the prerequisite of having a OCAJP certification. The book sports considerable supportive material to help the reader in effective exam preparation in the form of appendices: 2 mock tests to give the reader a sense of a real-exam. An instant refresher summarizing the most important concepts (with tips on answering questions) to revise just before the exam. This book will be a delectable read for any OCPJP aspirant because of its simple language, example driven approach, and easy-to-read style. Further, given its 100% focus on the exam and helpful supportive material, this book is clearly an attractive buy to OCPJP aspirants worldwide. A Complete, Integrated Study System for OCP Exam 1Z0-809 Study for the OCP Java SE 8 Programmer II exam using this effective exam preparation guide from Oracle Press. Written by a team of experts, including two developers of the original exam, OCP Java SE 8 Programmer II Exam Guide (Exam 1Z0-809) offers comprehensive coverage of every subject on the test and lays out essential Java programming skills. Throughout, step-by-step exercises; self-tests; and “Exam Watch,” “Inside the Exam,” and “On the Job” sections highlight salient points and aid in learning. In all, the

book and accompanying digital content feature more than 350 practice questions that mirror those on the live test in tone, format, and content. Clearly explains every topic on Exam 1Z0-809, including:

- Declarations, access control, and enums
- Object orientation
- Assertions and exceptions
- Dates, times, locales, and resource bundles
- I/O and NIO
- Generics and collections
- Inner classes
- Lambda expressions and functional interfaces
- Streams
- Threads
- Concurrency
- JDBC

Electronic content includes:

- 170 practice exam questions
- Fully customizable test engine
- Secured book PDF

For questions regarding content or to report errata, e-mail hep_customer-service@mheducation.com

Learn core programming concepts and technologies on the leading software development language This full-color book covers fundamental Java programming concepts and skills for those new to software development and programming. Taking a straightforward and direct approach, Java SE 7 Programming Essentials provides a solid foundational knowledge of programming topics. Each chapter begins with a list of topic areas, and author Michael Ernest provides clear and concise discussion of these core areas. The chapters contain review questions and suggested labs, so the reader can measure their understanding of the chapter topics. Covers topics such as working with Java data types, using operators and decision constructs, creating and using arrays, and much more Includes additional learning tutorials and tools Puts the focus on Oracle's new Oracle Certified Associate (OCA): Java SE 7 Programmer (1Z0-803) exam This must-have resource offers new programmers a solid understanding of the Java SE 7 programming language. Your complete certification guide on the path to Oracle Java SE The Oracle Java SE Certification track now consists of three levels - Associate (OCA), Professional (OCP), and Master (OCM). This valuable kit helps you attain success at the OCA and OCP levels, providing clarification of the complex material along with plenty of practice that covers all exam objectives. OCA / OCP

Oracle Java SE 8 Programmer Certification Kit is the ideal tool for preparing for the OCA and OCP exams. With two comprehensive study guides in one package, this kit serves as a helpful companion throughout your journey to Oracle Java SE 8 certification. The release of Java 8 brought the language's biggest changes to date, and for the first time, candidates are required to learn functional programming to pass the exam. The OCA: Oracle Certified Associate Java SE 8 Programmer I Study Guide has you covered, with thorough functional programming explanation and information on all key topic areas Java programmers need to know, covering one hundred percent of the material on Exam 1Z0-808. Once you're OCA certified, the OCP: Oracle Certified Professional Java SE 8 Programmer II Study Guide is your comprehensive companion for preparing for Exam 1Z0-809 as well as upgrade Exam 1Z0-810 and Exam 1Z0-813. You'll review the basics of object-oriented programming, understand functional programming, apply your knowledge to database work, and much more. From the basic to the advanced, this guide walks you through everything you need to know to confidently take the OCP 1Z0-809 exam (and upgrade exams 1Z0-810 and 1Z0-813). Work confidently with operators, conditionals, and loops Understand object-oriented design principles and patterns Master functional programming fundamentals Understand abstract classes, interfaces, and class design Learn object-oriented design principles and patterns Delve into functional programming, advanced strings, and localization Master IO, NIO, and JDBC with expert-led database practice If you're ready to take the next step in your IT career and tackle these challenging exams, OCA / OCP Oracle Java SE 8 Programmer Certification Kit is your ideal companion on the road to certification, and can give you the confidence you need. This volume contains the papers presented at the second workshop on Empirical Studies of Programmers. They represent a variety of approaches and topics covering the research in this area. All the chapters

present research that bears on programmers. Together with the first volume edited by Elliot Soloway and Sitharama Iyengar, these chapters contribute to a growing knowledge base about how programmers go about their task and how they progress from novice to expert levels. Full coverage of functional programming and all OCA Java Programmer exam objectives OCA, Oracle Certified Associate Java SE 8 Programmer I Study Guide, Exam 1Z0-808 is a comprehensive study guide for those taking the Oracle Certified Associate Java SE 8 Programmer I exam (1Z0-808). With complete coverage of 100% of the exam objectives, this book provides everything you need to know to confidently take the exam. The release of Java 8 brought the language's biggest changes to date, and for the first time, candidates are required to learn functional programming to pass the exam. This study guide has you covered, with thorough functional programming explanation and information on all key topic areas Java programmers need to know. You'll cover Java inside and out, and learn how to apply it efficiently and effectively to create solutions applicable to real-world scenarios. Work confidently with operators, conditionals, and loops Understand object-oriented design principles and patterns Master functional programming fundamentals The definitive Oracle Press guide to the latest release of this entry-level certification for Java programmersnow an Oracle Certified Associate exam. The official book on the Rust programming language, written by the Rust development team at the Mozilla Foundation, fully updated for Rust 2018. The Rust Programming Language is the official book on Rust: an open source systems programming language that helps you write faster, more reliable software. Rust offers control over low-level details (such as memory usage) in combination with high-level ergonomics, eliminating the hassle traditionally associated with low-level languages. The authors of The Rust Programming Language, members of the Rust Core Team, share their knowledge and experience to show you how to take full advantage of Rust's features--

from installation to creating robust and scalable programs. You'll begin with basics like creating functions, choosing data types, and binding variables and then move on to more advanced concepts, such as:

- Ownership and borrowing, lifetimes, and traits
- Using Rust's memory safety guarantees to build fast, safe programs
- Testing, error handling, and effective refactoring
- Generics, smart pointers, multithreading, trait objects, and advanced pattern matching
- Using Cargo, Rust's built-in package manager, to build, test, and document your code and manage dependencies
- How best to use Rust's advanced compiler with compiler-led programming techniques

You'll find plenty of code examples throughout the book, as well as three chapters dedicated to building complete projects to test your learning: a number guessing game, a Rust implementation of a command line tool, and a multithreaded server. New to this edition: An extended section on Rust macros, an expanded chapter on modules, and appendixes on Rust development tools and editions.

Complete, trusted preparation for the Java Programmer II exam OCP: Oracle Certified Professional Java SE 8 Programmer II Study Guide is your comprehensive companion for preparing for Exam 1Z0-809 as well as upgrade Exam 1Z0-810 and Exam 1Z0-813. With full coverage of 100% of exam objectives, this invaluable guide reinforces what you know, teaches you what you don't know, and gives you the hands-on practice you need to boost your skills. Written by expert Java developers, this book goes beyond mere exam prep with the insight, explanations and perspectives that come from years of experience. You'll review the basics of object-oriented programming, understand functional programming, apply your knowledge to database work, and much more. From the basic to the advanced, this guide walks you through everything you need to know to confidently take the OCP 1Z0-809 Exam and upgrade exams 1Z0-810 and 1Z0-813. Java 8 represents the biggest changes to the language to date, and the latest exam now requires that you demonstrate functional programming competence in order to pass. This

guide has you covered, with clear explanations and expert advice. Understand abstract classes, interfaces, and class design Learn object-oriented design principles and patterns Delve into functional programming, advanced strings, and localization Master IO, NIO, and JDBC with expert-led database practice If you're ready to take the next step in your IT career, OCP: Oracle Certified Professional Java SE 8 Programmer II Study Guide is your ideal companion on the road to certification. The Best Fully Integrated Study System Available--Written by the Lead Developers of Exam 310-065 With hundreds of practice questions and hands-on exercises, SCJP Sun Certified Programmer for Java 6 Study Guide covers what you need to know--and shows you how to prepare--for this challenging exam. 100% complete coverage of all official objectives for exam 310-065 Exam Objective Highlights in every chapter point out certification objectives to ensure you're focused on passing the exam Exam Watch sections in every chapter highlight key exam topics covered Simulated exam questions match the format, tone, topics, and difficulty of the real exam Covers all SCJP exam topics, including: Declarations and Access Control · Object Orientation · Assignments · Operators · Flow Control, Exceptions, and Assertions · Strings, I/O, Formatting, and Parsing · Generics and Collections · Inner Classes · Threads · Development CD-ROM includes: Complete MasterExam practice testing engine, featuring: Two full practice exams; Detailed answers with explanations; Score Report performance assessment tool Electronic book for studying on the go Bonus coverage of the SCJD exam included! Bonus downloadable MasterExam practice test with free online registration. A complete Oracle Press book of practice exams for OCA and OCP Java certification--co-written by one of the developers of the new Oracle OCP Java SE 7 exam OCA/OCP Java SE 7 Programmer I & II Practice Exams (Exam 1Z0-803 & 1Z0-804) provides pre-assessment and a complete battery of practice test questions for both the OCA and OCP exams and supplements

the bestselling OCA/OCP Java SE 7 Programmer I & II Study Guide. This Oracle Press book of practice exams follows the same proven approach as the Study Guide, providing an integrated study system based on proven pedagogy. You'll get pre-assessment exams with scoring reports to help you identify your strengths and weaknesses; special introductions to each section; chapter self-tests that help reinforce and teach practical skills while preparing you for the exam; and final exams that simulate the actual OCA and OCP exams. Covers all new OCA Java SE 7 Programmer I & II exam objectives Bert Bates is a developer of the Oracle OCP Java SE 7 Programmer II exam, so the questions in the book closely simulate the real test questions The most accurate test questions available simulate the type and style of questions found on the live exams Supplements the bestselling OCA/OCP Java SE 7 Programmer I & II Study Guide A low-cost alternative to expensive electronic practice exams All practice questions include answer explanations for both the correct and incorrect options This book is designed for people who want to pass the OCA Java SE 7 Programmer exam (Exam 1Z0-803). It comes with a Java refresher, self-tests, and a full mock exam. Get the book that shows you not only what to study, but how to study. The only classroom-based integrated study system for professional certification gives you complete coverage of all objectives for the Sun Certified Programmer for Java 5 exam, hundreds of practice exam questions, and hands-on exercises. The CD-ROM features full practice exam software plus an adaptive test engine. Over 80 recipes that will take your PHP 7 web development skills to the next level! About This Book This is the most up-to-date book in the market on PHP It covers the new features of version 7.x, best practices for server-side programming, and MVC frameworks The recipe-based approach will allow you to explore the unique capabilities that PHP offers to web programmers Who This Book Is For If you are an aspiring web developer, mobile developer, or backend programmer, then this book is for

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various scenarios you may encounter while using PHP 7 in your daily activities. This book is designed for people who want to pass the OCA Java SE 8 Programmer exam (Exam 1Z0-808). It comes with a Java refresher, self-tests, and two full mock exams. Are you looking for a comprehensive guide to take you into programming? This book is a complete introduction to the world of programming. 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! A complete update to the definitive, bestselling guide to the #1 certification for Java programmers Written and revised by the co-developers of the original SCJP exam and now published in the Oracle Press brand Includes two complete practice exams—250+ practice exam questions in book and via electronic content Replaces SCJP Sun Certified Programmer for Java Study Guide—150,000 copies sold Each objective is addressed using a series of programming examples. When the topic impacts memory, stack and heap illustrations are used to provide the reader with a more in depth understanding of the topic. At the end of each chapter, a series of sample questions are provided to reinforce your knowledge. This book is designed to help you prepare for the Oracle Certified Associate, Java SE 7 Programmer Certification exam (1Z0-803)

and gain confidence in your understanding and use of Java. Basic knowledge of Java programming is expected. Parallel to the growth of computer usage in society is the growth of programming instruction in schools. This informative volume unites a wide range of perspectives on the study of novice programmers that will not only inform readers of empirical findings, but will also provide insights into how novices reason and solve problems within complex domains. The large variety of methodologies found in these studies helps to improve programming instruction and makes this an invaluable reference for researchers planning studies of their own. Topics discussed include historical perspectives, transfer, learning, bugs, and programming environments. A Proven Study System for Oracle Certified Associate Exam 1Z0-803 Prepare for the Oracle Certified Associate Java SE 7 Programmer I exam with help from this exclusive Oracle Press guide. In each chapter, you'll find challenging exercises, practice questions, a two-minute drill, and a chapter summary to highlight what you've learned. This authoritative guide will help you pass the test and will also serve as your essential on-the-job reference. Get complete coverage of all OCA objectives for exam 1Z0-803, including: Packaging, compiling, and interpreting Java code Programming with Java statements Programming with Java operators and strings Working with basic classes and variables Understanding variable scope and class construction Programming with arrays Understanding class inheritance Understanding polymorphism and casts Handling exceptions Working with classes and their relationships Electronic content includes: One full practice exam Detailed answers and explanations Score report performance assessment tool Free with online registration: Bonus exam. "Seven Languages in Seven Weeks" presents a meaningful exploration of seven languages within a single book. Rather than serve as a complete reference or installation guide, the book hits what's essential and unique about each language. A Proven Study System for Oracle Certified Associate

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concepts of developing a Swing application, to the most advanced topics, such as decorating a Swing component with a JLayer, Drag-and-Drop features, Synth Skinnable L&F, etc. The chapter starts with an introduction to the GUI, using only one line of Java code, and builds to the most advanced concepts of GUI, one-step at a time. The chapter devotes over 55 pages to describe, at length, the different kinds of layout managers. At each step, it includes images to help the reader visualize how the application will look at runtime. Images at every step of the GUI building help the readers finish the chapter more quickly, with a vivid, detailed understanding of each topic. The chapter on network programming covers the basics of network technologies first, and then, the advanced topics of network programming, using Java class library. It covers IPv4 and IPv6, addressing schemes, subnetting, supernetting, multicasting, TCP/IP sockets, UDP sockets, asynchronous socket I/O, etc. The chapter on JDBC provides one of a kind coverage of database programming using the JDBC API. It provides the details of connecting and working with databases from all major database vendors such as Oracle, Microsoft, IBM, Sybase, etc. Wherever applicable, the chapter provides the database scripts to work with examples in the following databases: Oracle, SQL Server, MySQL, DB2, Java DB (Apache Derby), Sybase, Adaptive Server Anywhere, etc. It contains a complete discussion on processing a ResultSet and a RowSet. It discusses how to use the RowSetFactory, which is a new feature of Java™ 7, to obtain a RowSet object of a specific type. Working with Large Objects (LOBs), such as Blob, Clob, and NClob, is covered in detail with Java code examples and database scripts. The following topics are covered in this volume. Swing Applets Network Programming JDBC API Remote Method Invocation Java Native Interface It covers the following new features of Java™ 7 in detail. JLayer Swing Component Translucent Window Shaped Window Asynchronous Socket IO Multicast DatagramChannel RowSetFactory

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