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40 Algorithms Every Programmer Should Know Imran Ahmad 2020-06-12 Learn algorithms for solving classic computer science problems with this concise guide covering everything from fundamental algorithms, such as sorting and searching, to modern algorithms used in machine learning and cryptography Key FeaturesLearn the techniques you need to know to design algorithms for solving complex problemsBecome familiar with neural networks and deep learning techniquesExplore different types of algorithms and choose the right data structures for their optimal implementationBook Description Algorithms have always played an important role in both the science and practice of computing. Beyond traditional computing, the ability to use algorithms to solve real-world problems is an important skill that any developer or programmer must have. This book will help you not only to develop the skills to select and use an algorithm to solve real-world problems but also to understand how it works. You'll start with an introduction to algorithms and discover various algorithm design techniques, before exploring how to implement different types of algorithms, such as searching and sorting, with the help of practical examples. As you advance to a more complex set of algorithms, you'll learn about linear programming, page ranking, and graphs, and even work with machine learning algorithms, understanding the math and logic behind them. Further on, case studies such as weather prediction, tweet clustering, and movie recommendation engines will show you how to apply these algorithms optimally. Finally, you'll become well versed in techniques that enable parallel processing, giving you the ability to use these algorithms for compute-intensive tasks. By the end of this book, you'll have become adept at solving real-world computational problems by using a wide range of algorithms. What you will learnExplore existing data structures and algorithms found in Python librariesImplement graph algorithms for fraud detection using network analysisWork with machine learning algorithms to cluster similar tweets and process Twitter data in real timePredict the weather using supervised learning algorithmsUse neural networks for object detectionCreate a recommendation engine that suggests relevant movies to subscribersImplement foolproof security using symmetric and asymmetric encryption on Google Cloud Platform (GCP)Who this book is for This book is for programmers or developers who want to understand the use of algorithms for problem-solving and writing efficient code. Whether you are a beginner looking to learn the most commonly used algorithms in a clear and concise way or an experienced programmer looking to explore cutting-edge algorithms in data science, machine learning, and cryptography, you'll find this book useful. Although Python programming experience is a must, knowledge of data science will be helpful but not necessary.

OCA Java SE 8 Programmer I Certification Guide Mala Gupta 2016-09-09 Summary OCA Java SE 8 Programmer I Certification Guide prepares you for the 1Z0-808 with complete coverage of the exam. You'll explore important Java topics as you systematically learn what's required to successfully pass the test. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the Book To earn the OCA Java SE 8 Programmer I Certification, you have to know your Java inside and out, and to pass the exam you need 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 8 Programmer I Certification Guide prepares Java developers for the 1Z0-808 with thorough coverage of Java topics typically found on the exam. Each chapter starts with a list of exam objectives mapped to section numbers, followed by sample questions and exercises that reinforce key concepts. You'll learn techniques and concepts in multiple ways, including memorable analogies, diagrams, flowcharts, and lots of well-commented code. You'll also get the scoop on common exam mistakes and ways to avoid traps and pitfalls. What's Inside Covers all exam topics Hands-on coding exercises Flowcharts, UML diagrams, and other visual aids How to avoid built-in traps and pitfalls Complete coverage of the OCA Java SE 8 Programmer I exam (1Z0-808) About the Reader Written for developers with a working knowledge of Java who want to earn the OCA Java SE 8 Programmer I Certification. About the Author Mala Gupta is a Java coach and trainer who holds multiple Java certifications. Since 2006 she has been actively supporting Java certification as a path to career advancement. Table of Contents Introduction Java basics Working with Java data types Methods and encapsulation Selected classes from the Java API and arrays Flow control Working with inheritance Exception handling Full mock exam

SCJP Sun Certified Programmer for Java 6 Study Guide Kathy Sierra 2008-06-14 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 Programmer's Guide to Java SE 8 Oracle Certified Associate (OCA) Khalid A. Mughal 2016-07-25 Unique among Java tutorials, A Programmer's Guide to Java® SE 8 Oracle Certified Associate (OCA): A Comprehensive Primer combines an integrated, expert introduction to Java SE 8 with comprehensive coverage of Oracle's new Java SE 8 OCA exam 1Z0-808. Based on Mughal and Rasmusen's highly regarded guide to the original SCJP Certification, this streamlined volume has been thoroughly revised to reflect major changes in the new Java SE 8 OCA exam. It features an increased focus on analyzing code scenarios and not just individual language constructs, and each exam objective is thoroughly addressed, reflecting the latest Java SE 8 features, API classes, and best practices for effective programming. Other features include Summaries that clearly state what topics to read for each objective of the Java SE 8 OCA exam Dozens of exam-relevant review questions with annotated answers Programming exercises and solutions to put theory into practice A mock exam with realistic questions to find out if you are ready to take the official exam An introduction to essential concepts in object-oriented programming (OOP) and functional-style programming In-depth coverage of declarations, access control, operators, flow control, OOP techniques, lambda expressions, key API classes, and more Program output demonstrating expected results from complete Java programs Advice on avoiding common pitfalls in writing Java code and on taking the certification exam Extensive use of UML (Unified Modeling Language) for illustration purposes

Investment Banking Joshua Rosenbaum 2020-03-20 A timely update to the global best-selling book on investment banking and valuation In the constantly evolving world of finance, a solid technical foundation is an essential tool for success. Due to the fast-paced nature of this world, however, no one was able to take the time to properly codify its lifeworld—namely, valuation and dealmaking. Rosenbaum and Pearl originally responded to this need in 2009 by writing the first edition of the book that they wish had existed when they were trying to break into Wall Street. Investment Banking: Valuation, LBOs, M&A, and IPOs, Third Edition is a highly accessible and authoritative book written by investment bankers that explains how to perform the valuation work and financial analysis at the core of Wall Street—comparable companies, precedent transactions, DCF, LBO, M&A analysis . . . and now IPO analytics and valuation. Using a step-by-step, how-to approach for each methodology, the authors build a chronological knowledge base and define key terms, financial concepts, and processes throughout the book. The genesis for the original book stemmed from the authors' personal experiences as students interviewing for investment banking positions. As they both independently went through the rigorous process, they realized that their classroom experiences were a step removed from how valuation and financial analysis were performed in real-world situations. Consequently, they created this book to provide a leg up to those individuals seeking or beginning careers on Wall Street—from students at undergraduate universities and graduate schools to "career changers" looking to break into finance. Now, over 10 years after the release of the first edition, the book is more relevant and topical than ever. It is used in over 200 universities globally and has become a go-to resource for investment banks, private equity, investment firms, and corporations undertaking M&A transactions, LBOs, IPOs, restructurings, and investment decisions. As the world of finance adjusts to the new normal of the post-Great Recession era, it merits revisiting the pillars of the second edition for today's environment. While the fundamentals haven't changed, the environment must adapt to changing market developments and conditions. As a result, Rosenbaum and Pearl have updated their widely adopted book accordingly, while adding two new chapters on IPOs.

OCA Java SE 8 Programmer I Exam Guide (Exams 1Z0-808) Bert Bates 2017-05-05 Up-to-date coverage of every topic on the Java 8 SE Programmer I exam Prepare for the OCA Java SE 8 Programmer I exam using this effective self-study system from Oracle Press. Written by developers of the original Sun Certified Java Programmer exam, OCA Java SE 8 Programmer I Exam Guide (Exam 1Z0-808) includes two complete, accurate practice exams. In all, you will get more than 200 practice questions that mirror those on the actual test in content, tone, and format. Beyond fully preparing you for the challenging exam, the book also serves as an ideal on-the-job reference. Clearly explains every topic on Exam 1Z0-808, including: • Declarations • Access control • Object orientation • Assignments • Operators • Flow control • Exceptions • Strings • Arrays • ArrayLists Electronic content includes: • 200+ practice exam questions • Fully customizable test engine • Secured book PDF

OCA Java SE 7 Programmer I Certification Guide Mala Gupta 2013-04-02 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

OCA: Oracle Certified Associate Java SE 8 Programmer I Study Guide Jeanne Boyarsky 2014-12-11 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

OCJP Oracle Certified Professional Java SE 17 Developer Study Guide Scott Selikoff 2022-04-05 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.

OCP Oracle Certified Professional Java SE 11 Developer Practice Tests Scott Selikoff 2021-02-10 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. Improve your preparation for the OCP Java SE 11 Developer exam with these comprehensive practice tests OCP Oracle Certified Professional Java SE 11 Developer Practice Tests: Exam 1Z0-819 and Upgrade Exam 1Z0-817 offers readers over 1000 practice questions to help them hone their skills for the challenging 1Z0-819 exam as well as the 1Z0-817 upgrade exam. Covering all the objective domains that help readers master the crucial subject areas covered by the exam, OCP Oracle Certified Professional Java SE 11 Developer Practice Tests provides domain-by-domain questions as well as additional bonus practice exams to further solidify the reader's mastery of its subjects. This book covers topics like: Understanding Java Technology and Environment Working with Java Operators, Primitives, and Strings Creating Methods and Lambda Expressions Designing Classes, Interfaces, Enums, and Annotations Writing Functional Interfaces and Streams Building Modules and Migrating Applications to Modules Applying I/O, NIO.2, JDBC, Threads, and Concurrency Secure Coding in Java SE Application And much more Perfect for anyone studying for the OCP Java SE 11 Developer and Upgrade exams, as well as all those who wish to brush up on their Java programming skills, OCP Oracle Certified Professional Java SE 11 Developer Practice Tests: Exam 1Z0-819 and Upgrade Exam 1Z0-817 is an indispensable resource that has a place on the bookshelf of every Java enthusiast, professional, and student.

OCA/OCP Java SE 7 Programmer I & II Practice Exams (Exams 1Z0-803 & 1Z0-804) Kathy Sierra 2016-01-31 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

OCA Java SE 8 Programmer I Certification Guide Mala Gupta 2016-06-28 Summary OCA Java SE 8 Programmer I Certification Guide prepares you for the 1Z0-808 with complete coverage of the exam. You'll explore important Java topics as you systematically learn what's required to successfully pass the test. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the Book To earn the OCA Java SE 8 Programmer I Certification, you have to know your Java inside and out, and to pass the exam you need 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 8 Programmer I Certification Guide prepares Java developers for the 1Z0-808 with thorough coverage of Java topics typically found on the exam. Each chapter starts with a list of exam objectives mapped to section numbers, followed by sample questions and exercises that reinforce key concepts. You'll learn techniques and concepts in multiple ways, including memorable analogies, diagrams, flowcharts, and lots of well-commented code. You'll also get the scoop on common exam mistakes and ways to avoid traps and pitfalls. What's Inside Covers all exam topics Hands-on coding exercises Flowcharts, UML diagrams, and other visual aids How to avoid built-in traps and pitfalls Complete coverage of the OCA Java SE 8 Programmer I exam (1Z0-808) About the Reader Written for developers with a working knowledge of Java who want to earn the OCA Java SE 8 Programmer I Certification. About the Author Mala Gupta is a Java coach and trainer who holds multiple Java certifications. Since 2006 she has been actively supporting Java certification as a path to career advancement. Table of Contents Introduction

Java basics Working with Java data types Methods and encapsulation Selected classes from the Java API and arrays Flow control Working with inheritance

Exception handling Full mock exam

OCA Certified Professional Java SE 8 Programmer Exam 1Z0-809: A Comprehensive OCPJP 8 Certification Guide SG Ganesh 2015-12-30 This book is a comprehensive, step-by-step and one-stop guide for the Java SE 8 Programmer II exam (1Z0-809). Salient features of this book include: 100% coverage of the exam topics, a full-length mock exam, practice exam questions, exam notes and tips. Oracle Certified Professional Java SE 8 Programmer II Guide (Exam 1Z0-809) is a comprehensive guide for the OCPJP 8 exam. The book starts by answering frequently asked questions about the OCPJP 8 exam (Chapter 1). The book maps each exam topic into a chapter and covers 100% of the exam topics (next 12 Chapters). Exam topics are discussed using numerous programming and real-world examples. Each chapter ends with practice exam questions and a quick summary that revises key concepts covered in the chapter from exam perspective. After reading the main chapters, you can take the full-length mock exam to ensure that you have enough practice before actually taking the exam (Chapter 14). If you are an OCPJP 8 exam aspirant, this book is certainly for you. This book assumes that you are already familiar with Java fundamentals (that is in line with the prerequisite of having a OCAJP 8 certification before you take up the OCPJP 8 exam). This book will be a delectable read to you because of its simple language, example driven approach, easy-to-read style, and complete focus towards the exam. Salient Features • In-depth and 100% coverage of all 12 exam topics for the certification • Numerous illustrative programming and real-world examples• Hundreds of practice exam questions (including a full-length mock exam) What you will learn: • Have the necessary knowledge to clear the exam since 100% of the exam topics are covered to the required depth • clearly understand the scope and objectives of the exam, the technical topics covered in the exam, and type and level-of-difficulty of the exam questions (in short, you will clearly know what's exactly required for passing the exam) • get into an "exam mindset" by trying out hundreds of practice exam questions.

OCA / OCP Java SE 8 Programmer Certification Kit Jeanne Boyarsky 2016-03-28 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.

OCA: Oracle Certified Associate Java SE 8 Programmer I Study Guide Jeanne Boyarsky 2014-12-31 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

OCP Oracle Certified Professional Java SE 11 Programmer I Study Guide Jeanne Boyarsky 2019-12-05 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. 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 comprehensive study aide for those preparing for the new Oracle Certified Professional Java SE Programmer I Exam 1Z0-815 Used primarily in mobile and desktop application development, Java is a platform-independent, object-oriented programming language. It is the principal language used in Android application development as well as a popular language for client-side cloud applications. Oracle has updated its Java Programmer certification tracks for Oracle Certified Professional. OCP Oracle Certified Professional Java SE 11 Programmer I Study Guide covers 100% of the exam objectives, ensuring that you are thoroughly prepared for this challenging certification exam. This comprehensive, in-depth study guide helps you develop the functional-programming knowledge required to pass the exam and earn certification. All vital topics are covered, including Java building blocks, operators and loops, String and StringBuilder, Array and ArrayList, and more. Included is access to Sybex's superior online interactive learning environment and test bank—containing self-assessment tests, chapter tests, bonus practice exam questions, electronic flashcards, and a searchable glossary of important terms. This indispensable guide: Clarifies complex material and strengthens your comprehension and retention of key topics Covers all exam objectives such as methods and encapsulation, exceptions, inheriting abstract classes and interfaces, and Java 8 Dates and Lambda Expressions Explains object-oriented design principles and patterns Helps you master the fundamentals of functional programming Enables you to create Java solutions applicable to real-world scenarios There are over 9 millions developers using Java around the world, yet hiring managers face challenges filling open positions with qualified candidates. The OCP Oracle Certified Professional Java SE 11 Programmer I Study Guide will help you take the next step in your career.

OCP Oracle Certified Professional Java SE 11 Programmer II Study Guide Scott Selikoff 2020-07-21 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.

OCA: Oracle Database 12c Administrator Certified Associate Study Guide Biju Thomas 2014-05-02 An all-in-one study guide prepares you for the updated OracleCertified Associate certification It's been nearly six years since Oracle updated its cornerstonedatabase software, making the demand for a comprehensive studyguide for the OCA 12c certification a top priority. This resourceanswers that demand. Packed with invaluable insight, chapter reviewquestions, bonus practice exams, hundreds of electronic flashcards, and a searchable glossary of terms, this study guide prepares youfor the challenging Oracle certification exams. Provides you with a solid understanding of restricting andsorting data Walks you through using conversion functions and conditionalexpressions Addresses displaying data from multiple tables, manipulatingdata, database maintenance, and database backups and recovery Explores the Oracle database architecture and discussespreparing the database environment, creating an Oracle database, and managing the Oracle instance Focuses on administering and implementing user security This must-have study guide thoroughly prepares you to take thedramatically updated Oracle 12c OCA exams.

OCA Java SE 8 Programmer I Study Guide (Exam 1Z0-808) Edward G. Finegan 2015-09-11 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

OCA Java SE 7 Programmer I Study Guide (Exam 1Z0-803) Robert Liguori 2012-09-22 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

OCA: Oracle Certified Associate Java SE 8 Programmer I Study Guide Jeanne Boyarsky 2014-12-11 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

OCP Java SE 8 Programmer II Exam Guide (Exam 1Z0-809) Kathy Sierra 2018-05-11 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

OCA / OCP Java SE 8 Programmer Practice Tests Scott Selikoff 2017-04-03 Test your knowledge and prepare for the OCA/OCP exams OCA/OCP Java SE 8 Programmer Practice Tests complements the Sybex OCA: Oracle Certified Associate Java SE 8 Programmer I Certification Study Guide and the OCP: Oracle Certified Professional Java SE 8 Programmer II Study Guide for exams 1Z0-808 and 1Z0-809 by providing last minute review of 100% of exam objectives. Get the advantage of over 1,000 expert crafted questions that not only provide the answer, but also give detailed explanations. You will have access to unique practice questions that cover all 21 objective domains in the OCA/OCP exams in the format you desire—test questions can also be accessed via the Sybex interactive learning environment. Two additional practice exams will ensure that you are ready for exam day. Whether you have studied with Sybex study guides for your OCA/OCP or have used another brand, this is your chance to test your skills. Access to all practice questions online with the Sybex interactive learning environment Over 1,000 unique practice questions and 2 practice exams include expert explanations Covers 100% of all 21 OCA/OCP objective domains for Exams 1Z0-809 and 1Z0-809 Studying the objectives are one thing, but diving deeper and uncovering areas where further attention is needed can increase your chance of exam day success. Full coverage of all domains shows you what to expect on exam day, and accompanying explanations help you pinpoint which objectives deserve another look.

OCA Java SE 8 Programmer I Exam Guide (Exams 1Z0-808) Kathy Sierra 2017-05-12 Up-to-date coverage of every topic on the Java 8 SE Programmer I exam Prepare for the OCA Java SE 8 Programmer I exam using this effective self-study system from Oracle Press. Written by developers of the original Sun Certified Java Programmer exam, OCA Java SE 8 Programmer I Exam Guide (Exam 1Z0-808) includes two complete, accurate practice exams. In all, you will get more than 200 practice questions that mirror those on the actual test in content, tone, and format. Beyond fully preparing you for the challenging exam, the book also serves as an ideal on-the-job reference. Clearly explains every topic on Exam 1Z0-808, including: • Declarations • Access control • Object orientation • Assignments • Operators • Flow control • Exceptions • Strings • Arrays • ArrayLists Electronic content includes: • 200+ practice exam questions • Fully customizable test engine • Secured book PDF

Spring Integration in Action Iven Fuld 2012-09-18 Summary Spring Integration in Action is a hands-on guide to Spring-based messaging and integration. After addressing the core messaging patterns, such as those used in transformation and routing, the book turns to the adapters that enable integration with external systems. Readers will explore real-world enterprise integration scenarios using JMS, Web Services, file systems, and email. They will also learn about Spring Integration's support for working with XML. The book concludes with a practical guide to advanced topics such as concurrency, performance, system-management, and monitoring. The book features a foreword by Rod Johnson, Founder of the Spring Network. About the Technology Spring Integration extends the Spring Framework to support the patterns described in Gregor Hohpe and Bobby Woolf's Enterprise Integration Patterns. Like the Spring Framework itself,

it focuses on developer productivity, making it easier to build, test, and maintain enterprise integration solutions. About the Book Spring Integration in Action is an introduction and guide to enterprise integration and messaging using the Spring Integration framework. The book starts off by reviewing core messaging patterns, such as those used in transformation and routing. It then drills down into real-world enterprise integration scenarios using JMS, Web Services, filesystems, email, and more. You'll find an emphasis on testing, along with practical coverage of topics like concurrency, scheduling, system management, and monitoring. This book is accessible to developers who know Java. Experience with Spring and EIP is helpful but not assumed. Purchase of the print book comes with an offer of a free PDF, ePub, and Kindle eBook from Manning. Also available is all code from the book. What's Inside Realistic examples Expert advice from Spring Integration creators Detailed coverage of Spring Integration 2 features About the Authors Mark Fisher is the Spring Integration founder and project lead. Jonas Partner, Marius Bogoevici, and Iwein Fuld have all been project committers and are recognized experts on Spring and Spring Integration. Table of Contents PART 1 BACKGROUND Introduction to Spring Integration Enterprise integration fundamentals 24 PART 2 MESSAGING Messages and channels Message Endpoints Getting down to business Go beyond sequential processing: routing and filtering Splitting and aggregating messages PART 3 INTEGRATING SYSTEMS Handling messages with XML payloads Spring Integration and the Java Message Service Email-based integration Filesystem integration Spring Integration and web services Chatting and tweeting PART 4 ADVANCED TOPICS Monitoring and management Managing scheduling and concurrency Batch applications and enterprise integration Scaling messaging applications with OSGi Testing

OCA / OCP Java SE 8 Programmer Practice Tests Scott Selikoff 2017-03-16 Test your knowledge and prepare for the OCA/OCF exams OCA/OCF Java SE 8 Programmer Practice Tests complements the Sybex OCA: Oracle Certified Associate Java SE 8 Programmer I Certification Study Guide and the OCP: Oracle Certified Professional Java SE 8 Programmer II Study Guide for exams 1Z0-808 and 1Z0-809 by providing last minute review of 100% of exam objectives. Get the advantage of over 1,000 expert crafted questions that not only provide the answer, but also give detailed explanations. You will have access to unique practice questions that cover all 21 objective domains in the OCA/OCF exams in the format you desire--test questions can also be accessed via the Sybex interactive learning environment. Two additional practice exams will ensure that you are ready for exam day. Whether you have studied with Sybex study guides for your OCA/OCF or have used another brand, this is your chance to test your skills. Access to all practice questions online with the Sybex interactive learning environment Over 1,000 unique practice questions and 2 practice exams include expert explanations Covers 100% of all 21 OCA/OCF objective domains for Exams 1Z0-809 and 1Z0-809 Studying the objectives are one thing, but diving deeper and uncovering areas where further attention is needed can increase your chance of exam day success. Full coverage of all domains shows you what to expect on exam day, and accompanying explanations help you pinpoint which objectives deserve another look.

Java 8 Programmer II Study Guide: Exam 1Z0-809 Esteban Herrera 2016-04-07 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

OCA Java SE 7 Programmer I Certification Guide Mala Gupta 2013-04-11 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

OCA Java SE 7 Programmer Study Guide (Exam 1Z0-803) Budi Kurniawan 2015-06-15 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.

OCP: Oracle Certified Professional Java SE 8 Programmer II Study Guide Jeanne Boyarsky 2015-12-14 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.

Oracle Certified Associate, Java Se 7 Programmer Study Guide Richard M. Reese 2012 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.

SCJA Sun Certified Java Associate Study Guide (Exam CX-310-019) Robert Liguori 2009-09-05 The SCJA certification is for entry-level Java programmers interested in pursuing a career in application development or software project management

97 Things Every Java Programmer Should Know Kevin Henney 2020-05-15 If you want to push your Java skills to the next level, this book provides expert advice from Java leaders and practitioners. You'll be encouraged to look at problems in new ways, take broader responsibility for your work, stretch yourself by learning new techniques, and become as good at the entire craft of development as you possibly can. Edited by Kevin Henney and Trisha Gee, *97 Things Every Java Programmer Should Know* reflects lifetimes of experience writing Java software and living with the process of software development. Great programmers share their collected wisdom to help you rethink Java practices, whether working with legacy code or incorporating changes since Java 8. A few of the 97 things you should know: "Behavior Is Easy, State Is Hard"—Edson Yanaga "Learn Java Idioms and Cache in Your Brain"—Jeanne Boyarsky "Java Programming from a JVM Performance Perspective"—Monica Beckwith "Garbage Collection Is Your Friend"—Holly K Cummins "Java's Unspeakable Types"—Ben Evans "The Rebirth of Java"—Sander Mak "Do You Know What Time It Is?"—Christin Gorman

Java Coding Problems Anghel Leonard 2019-09-20 Develop your coding skills by exploring Java concepts and techniques such as Strings, Objects and Types, Data Structures and Algorithms, Concurrency, and Functional programming Key Features Solve Java programming challenges and get interview-ready by using the power of modern Java 11 Test your Java skills using language features, algorithms, data structures, and design patterns Explore areas such as web development, mobile development, and GUI programming Book Description The super-fast evolution of the JDK between versions 8 and 12 has increased the learning curve of modern Java, therefore has increased the time needed for placing developers in the Plateau of Productivity. Its new features and concepts

can be adopted to solve a variety of modern-day problems. This book enables you to adopt an objective approach to common problems by explaining the correct practices and decisions with respect to complexity, performance, readability, and more. Java Coding Problems will help you complete your daily tasks and meet deadlines. You can count on the 300+ applications containing 1,000+ examples in this book to cover the common and fundamental areas of interest: strings, numbers, arrays, collections, data structures, date and time, immutability, type inference, Optional, Java I/O, Java Reflection, functional programming, concurrency and the HTTP Client API. Put your skills on steroids with problems that have been carefully crafted to highlight and cover the core knowledge that is accessed in daily work. In other words (no matter if your task is easy, medium or complex) having this knowledge under your tool belt is a must, not an option. By the end of this book, you will have gained a strong understanding of Java concepts and have the confidence to develop and choose the right solutions to your problems. What you will learn Adopt the latest JDK 11 and JDK 12 features in your applications Solve cutting-edge problems relating to collections and data structures Get to grips with functional-style programming using lambdas Perform asynchronous communication and parallel data processing Solve strings and number problems using the latest Java APIs Become familiar with different aspects of object immutability in Java Implement the correct practices and clean code techniques Who this book is for If you are a Java developer who wants to level-up by solving real-world problems, then this book is for you. Working knowledge of Java is required to get the most out of this book.

OCA Java SE 8 Programmer Study Guide (Exam 1Z0-808) Budi Kurniawan 2015-08-15 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.

OCP Java SE 7 Programmer II Certification Guide Mala Gupta 2015-08-21 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

Hands-On Microservices with Spring Boot and Spring Cloud Magnus Larsson 2019-09-20 Apply microservices patterns to build resilient and scalable distributed systems Key FeaturesUnderstand the challenges of building large-scale microservice landscapesBuild cloud-native production-ready microservices with this comprehensive guideDiscover how to get the best out of Spring Cloud, Kubernetes, and Istio when used togetherBook Description Microservices architecture allows developers to build and maintain applications with ease, and enterprises are rapidly adopting it to build software using Spring Boot as their default framework. With this book, you'll learn how to efficiently build and deploy microservices using Spring Boot. This microservices book will take you through tried and tested approaches to building distributed systems and implementing microservices architecture in your organization. Starting with a set of simple cooperating microservices developed using Spring Boot, you'll learn how you can add functionalities such as persistence, make your microservices reactive, and describe their APIs using Swagger/OpenAPI. As you advance, you'll understand how to add different services from Spring Cloud to your microservice system. The book also demonstrates how to deploy your microservices using Kubernetes and manage them with Istio for improved security and traffic management. Finally, you'll explore centralized log management using the EFK stack and monitor microservices using Prometheus and Grafana. By the end of this book, you'll be able to build microservices that are scalable and robust using Spring Boot and Spring Cloud. What you will learnBuild reactive microservices using Spring BootDevelop resilient and scalable microservices using Spring CloudUse OAuth 2.0/OIDC and Spring Security to protect public APIsImplement Docker to bridge the gap between development, testing, and productionDeploy and manage microservices using KubernetesApply Istio for improved security, observability, and traffic managementWho this book is for This book is for Java and Spring developers and architects who want to learn how to break up their existing monoliths into microservices and deploy them either on-premises or in the cloud using Kubernetes as a container orchestrator and Istio as a service Mesh. No familiarity with microservices architecture is required to get started with this book.

OCP Oracle Certified Professional Java SE 11 Developer Complete Study Guide Jeanne Boyarsky 2020-08-11 This OCP Oracle Certified Professional Java SE 11 Developer Complete Study Guide was 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 this Study Guide covers everything you need to prepare for and take the exam. 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. This is the most comprehensive prep guide available for the OCP Oracle Certified Professional Java SE 11 Developer certification—it covers Exam 1Z0-819 and the Upgrade Exam 1Z0-817 (as well as the retired Programmer I Exam 1Z0-815 and Programmer II Exam 1Z0-816)! Java is widely-used for backend cloud applications, Software as a Service applications (SAAS), and is the principal language used to develop Android applications. This object-oriented programming language is designed to run on all platforms that support Java without the need for recompilation. Oracle Java Programmer certification is highly valued by employers throughout the technology industry. The OCP Oracle Certified Professional Java SE 11 Developer Complete Study Guide in an indispensable resource for anyone preparing for the certification exam. This fully up-to-date guide covers 100% of exam objectives for Exam 1Z0-819 and Upgrade Exam 1Z0-817 (in addition to the previous Exam 1Z0-815 and Exam 1Z0-816). In-depth chapters present clear, comprehensive coverage of the functional-programming knowledge necessary to succeed. Each chapter clarifies complex material while reinforcing your understanding of vital exam topics. Also included is access to Sybex's superior online interactive learning environment and test bank that includes self-assessment tests, chapter tests, bonus practice exam questions, electronic flashcards, and a searchable glossary of important terms. The ultimate study aid for the challenging OCP exams, this popular guide: Helps you master the changes in depth, difficulty, and new module topics of the latest OCP exams Covers all exam objectives such as Java arrays, primitive data types, string APIs, objects and classes, operators and decision constructs, and applying encapsulation Allows developers to catch up on all of the newest Java material like lambda expressions, streams, concurrency, annotations, generics, and modules Provides practical methods for building Java applications, handling exceptions, programming through interfaces, secure coding in Java SE, and more Enables you to gain the information, understanding, and practice you need to pass the OCP exams The OCP Oracle Certified Professional Java SE 11 Developer Complete Study Guide is a must-have book for certification candidates needing to pass these challenging exams, as well as junior- to senior-level developers who use Java as their primary programming language.

OCP Oracle Certified Professional Java SE 11 Programmer II Study Guide Scott Selikoff 2020-06-23 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.

OCA/OCF Java SE 7 Programmer I & II Study Guide (Exams 1Z0-803 & 1Z0-804) Kathy Sierra 2014-10-28 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