



Sun Certified Programmer & Developer for Java 2 Study Guide (Exam 310-035 & 310-027)

By Kathy Sierra, Bert Bates

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Sun Certified Programmer & Developer for Java 2 Study Guide (Exam 310-035 & 310-027) By Kathy Sierra, Bert Bates

Revised and updated by one of the co-developers of the (310-035) Programmer exam, this edition offers complete coverage of the Sun Certified Programmer for Java 2 exam objectives and newly added, complete coverage of both portions of the Sun Certified Java 2 Developer's exam. More than 250 challenging practice questions have been completely revised to closely model the format, tone, topics, and difficulty of the real exam. An integrated study system based on proven pedagogy, exam coverage includes step-by-step exercises, special Exam Watch notes, On-the-Job elements, and Self Tests with in-depth answer explanations to help reinforce and teach practical skills.

Praise for the author:

“Finally! A Java certification book that explains everything clearly. All you need to pass the exam is in this book.”

—Solveig Haugland, Technical Trainer and Former Sun Course Developer

“Who better to write a Java study guide than Kathy Sierra, the reigning queen of Java instruction? Kathy Sierra has done it again—here is a study guide that almost guarantees you a certification!”

—James Cubeta, Systems Engineer, SGI

“The thing I appreciate most about Kathy is her quest to make us all remember that we are teaching people and not just lecturing about Java. Her passion and desire for the highest quality education that meets the needs of the individual student is positively unparalleled at SunEd. Undoubtedly there are hundreds of students who have benefited from taking Kathy's classes.”

—Victor Peters, founder Next Step Education & Software Sun Certified Java Instructor

“I want to thank Kathy for the EXCELLENT Study Guide. The book is well written, every concept is clearly explained using a real life example, and the book

states what you specifically need to know for the exam. The way it's written, you feel that you're in a classroom and someone is actually teaching you the difficult concepts, but not in a dry, formal manner. The questions at the end of the chapters are also REALLY good, and I am sure they will help candidates pass the test. Watch out for this Wickedly Smart book."

-Alfred Raouf, Web Solution Developer, Kemety.Net

"The Sun Certification exam was certainly no walk in the park but Kathy's material allowed me to not only pass the exam, but Ace it!"

—Mary Whetsel, Sr. Technology Specialist, Application Strategy and Integration, The St. Paul Companies

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Sun Certified Programmer & Developer for Java 2 Study Guide (Exam 310-035 & 310-027) By Kathy Sierra, Bert Bates Bibliography

- Sales Rank: #593923 in Books
- Published on: 2002-12-11
- Original language: English
- Number of items: 1
- Dimensions: 9.10" h x 1.50" w x 7.30" l,
- Binding: Paperback
- 752 pages



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Editorial Review

Amazon.com Review

Anyone preparing for Sun's certification exam 310-025 will find *Sun Certified Programmer for Java 2 Study Guide* of use. It provides a fast-paced tour of essential Java features and do-it-yourself sample test questions that will improve your chances for success on the exam.

This fact-based approach highlights material that will be on the test. This means that it pays special attention to certain topics (for example, public-, protected-, and private-access rules), even though you may not normally need to think at this level of detail. Besides the basics, the text explains the details of class design and string processing particularly well. Exception handling and garbage collection in Java is also discussed, as well as class design as it pertains to the certification test. The book includes plenty of tricks and tips for what's covered on the test, along with what to watch out for in certain areas.

A longer chapter on AWT for building basic user interfaces in Java rounds out this text. Every section provides challenging sample questions (usually about 20 for each chapter), which let you test your knowledge. An appendix contains more than 100 pages of answers and explanations for these self-test questions. (The companion CD-ROM features a computer-based test, similar in format to the actual certification exam.) If you have some Java experience, this book will quickly help ready you for official Java certification. *Sun Certified Programmer for Java 2 Study Guide* definitely delivers the goods. --Richard Dragan

Topics covered:

- 1. Test-preparation guide to the Sun Certified Programmer for Java 2 exam 310-025
- 2. The format of the certification test
- 3. Java language basics
- 4. Data types, arrays, and strings
- 5. Declarations and access control
- 6. Operators
- 7. Equality testing
- 8. Flow control
- 9. Exception handling (try, catch, and finally blocks)
- 10. Checked and unchecked exceptions
- 11. Java garbage collection
- 12. Mark-sweep algorithms
- 13. Encapsulation and class design in Java
- 14. Overloading and overriding methods
- 15. Inner classes
- 16. Threads and synchronization techniques
- 17. Math, String, and StringBuffer classes
- 18. Java collections
- 19. The AWT user interface classes
- 20. Event handling (events, sources, and listeners)
- 21. Sample test questions and answers

Review

"High-level, in-depth yet down-to-earth. This book is great! Straightforward and conceptually sound. One of the most well written certification guides I've ever read. Lots of facts, no fluff. Focuses in on key topic areas. Sample questions solidify understanding and build confidence." Review of the 1st Edition Study Guide
Simon Lee, Berlin, NH

From the Back Cover

The Only Certification Study System Based on 300,000+ Hours of IT Training Experience

- 100% Complete Coverage--All official test objectives for exams 310-035 and 310-027 are covered in detail
- Hands-on Exercises--Step-by-step instruction modeled after classroom labs
- Exam Watch--Warnings based on thorough post-exam research identifying the most troublesome exam topics and how to answer them correctly
- Simulated Exam Questions--Certification questions that closely model the format, tone, topics, and difficulty of the real exam--all with in-depth answers

Full coverage of the topics you need to review, including how to:

- Define and instantiate inner classes
- Write code using *if* and *switch* statements and loops
- Write and throw your own exceptions
- Design and implement tightly encapsulated classes
- Use the `java.lang.String` class, the `java.lang.Math` class, and wrapper classes
- Define, instantiate, and start threads
- Synchronize code
- Implement locking using `wait/notify`
- Implement official coding and programming styles in your developer assignment
- Design a clear, usable, standardized GUI
- Consider subtle networking and IO issues when designing your application

Included on the CD-ROM:

CD Training

- Electronic book--Searchable version of the Study Guide

Master Exam

- Complete Practice Exam--Includes exclusive 310-035 certification exam simulation with questions found only on the CD-ROM
- Detailed Answers--Explain why the correct options are right and why the incorrect options are wrong
- Score Report--Provides overall assessment of performance and indicates subject areas requiring further study

PLUS:

(with free on-line registration)

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Users Review

From reader reviews:

Ethel Fung:

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Catherine Scott:

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Cathrine Hart:

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