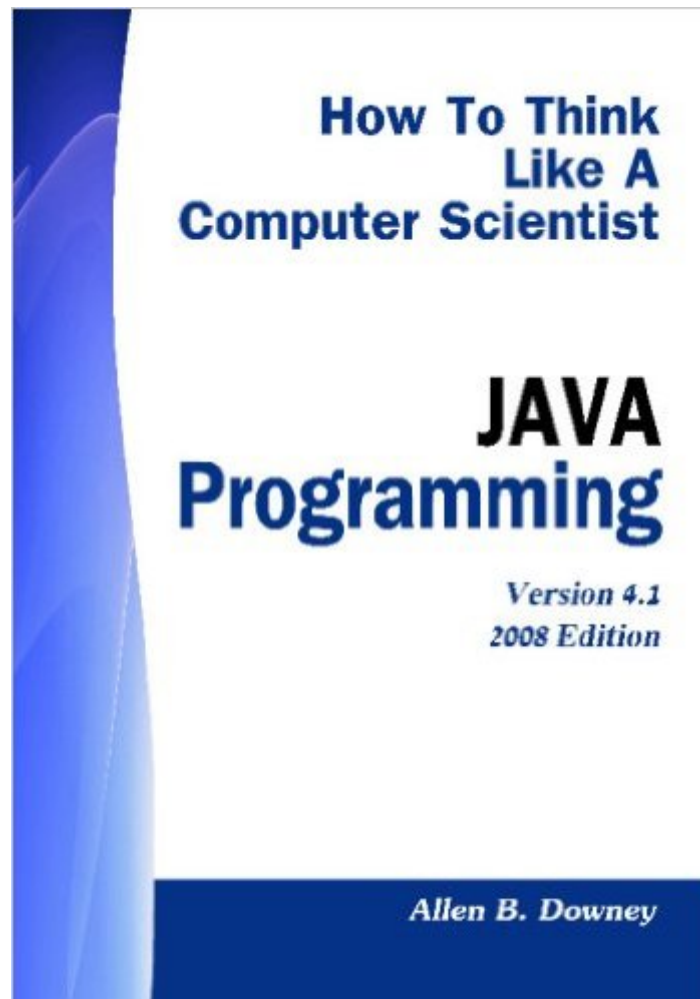The book was found

How To Think Like A Computer Scientist: JAVA Programming

How To Think Like A Computer Scientist

JAVA Programming

Version 4.1
2008 Edition

Allen B. Downey

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Synopsis

How to Think Like a Computer Scientist - JAVA Version 4.1. (2008 Edition) * Published under the terms of the GNU Free Documentation License. Money raised from the sale of this book supports the development of free software and documentation.

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Customer Reviews

I have found this to be the most helpful book in trying to fully understand Java Programming Language, notably from a teacher perspective. I am in my 2nd year teaching A.P. Computer Science and this book has proven to be the most beneficial in helping me explain the topics to my students.

It teaches the importance of modular structure: Methods before control structures.The importance of named constants: Final variables have been introduced before control structures and modules. But there are occasional violations as you go ahead, for example, 10 is hard coded in a multiplication table program.Teaches documentation early. Unfortunately, the subsequent code is not documented as part of the text, perhaps because it is discussed in the text. But this does not convey well to students.Data validation has been introduced early in the text.Teaches recursion before iteration. We find recursion so hard to teach, only because we give so much practice in the iteration that it is so hard to think recursive. I myself suffered because of this, but now know, why I suffered.Unfortunately, counting has been introduced using a while loop, which is done better using a for loops.Classes and objects (including objects of objects) have been introduced with simple

examples.

I have not really started to study of this book yet so I can't give it 5 stars, but from skimming it and reviewing the table of contents it seems clear that it covers the basics of JAVA. Having worked through some other Downey books I can say that he is an excellent expositor who is well aware of the confusions of some one learning a particular programming language for the first time. He is not the least bit interested in showing off and impressing you with how much he knows. That's a great relief.

Java: The Ultimate Guide to Learn Java and Python Programming (Programming, Java, Database, Java for dummies, coding books, java programming) (HTML, ... Developers, Coding, CSS, PHP) (Volume 3) Java: The Simple Guide to Learn Java Programming In No Time (Programming,Database, Java for dummies, coding books, java programming) (HTML,Javascript,Programming,Developers,Coding,CSS,PHP) (Volume 2) How to Think Like a Computer Scientist: JAVA Programming JAVA: JAVA in 8 Hours, For Beginners, Learn Java Fast! A Smart Way to Learn Java, Plain & Simple, Learn JAVA Programming Language in Easy Steps, A Beginner's Guide, Start Coding Today! Think Python: How to Think Like a Computer Scientist Python: Python Programming For Beginners - The Comprehensive Guide To Python Programming: Computer Programming, Computer Language, Computer Science Python: Python Programming For Beginners - The Comprehensive Guide To Python Programming: Computer Programming, Computer Language, Computer Science (Machine Language) C++: A Smart Way to Learn C++ Programming and Javascript (c plus plus, C++ for beginners, JAVA, programming computer, hacking, hacking exposed) (C ... Coding, CSS, Java, PHP) (Volume 1) Act like a Lady, Think like a Man: What Men Really Think About Love, Relationships, Intimacy, and Commitment Act Like a Lady, Think Like a Man, Expanded Edition CD: What Men Really Think About Love, Relationships, Intimacy, and Commitment Java Programming for Kids: Learn Java Step By Step and Build Your Own Interactive Calculator for Fun! (Java for Beginners) PowerShell: For Beginners! Master The PowerShell Command Line In 24 Hours (Python Programming, Javascript, Computer Programming, C++, SQL, Computer Hacking, Programming) Know Your Onions - Graphic Design: How to Think Like a Creative, Act like a Businessman and Design Like a God Truth or Truthiness: Distinguishing Fact from Fiction by Learning to Think Like a Data Scientist Java Artificial Intelligence: Made Easy, w/ Java Programming; Learn to Create your * Problem Solving * Algorithms! TODAY! w/ Machine Learning & Data ... engineering, r programming, iOS development) JAVA Programming for

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