



Thinking in Java

Bruce Eckel

[Download now](#)

[Read Online](#) ➔

Thinking in Java

Bruce Eckel

Thinking in Java Bruce Eckel

Thinking in Java is a printed version of Bruce Eckel's online materials that provides a useful perspective on mastering Java for those with previous programming experience. The author's take on the essence of Java as a new programming language and the thorough introduction to Java's features make this a worthwhile tutorial.

Thinking in Java begins a little esoterically, with the author's reflections on why Java is new and better. (This book's choice of font for chapter headings is remarkably hard on the eyes.) The author outlines his thoughts on why Java will make you a better programmer, without all the complexity. The book is better when he presents actual language features. There's a tutorial to basic Java types, keywords, and operators. The guide includes extensive source code that is sometimes daunting (as with the author's sample code for *all* the Java operators in one listing.) As such, this text will be most useful for the experienced developer.

The text then moves on to class design issues, when to use inheritance and composition, and related topics of information hiding and polymorphism. (The treatment of inner classes and scoping will likely seem a bit overdone for most readers.) The chapter on Java collection classes for both Java Developer's Kit (JDK) 1.1 and the new classes, such as sets, lists, and maps, are much better. There's material in this chapter that you are unlikely to find anywhere else.

Chapters on exception handling and programming with type information are also worthwhile, as are the chapters on the new Swing interface classes and network programming. Although it adopts somewhat of a mixed-bag approach, *Thinking in Java* contains some excellent material for the object-oriented developer who wants to see what all the fuss is about with Java.

Thinking in Java Details

Date : Published February 20th 2006 by Prentice Hall (first published February 19th 1998)

ISBN : 9780131872486

Author : Bruce Eckel

Format : Paperback 1482 pages

Genre : Computer Science, Programming, Science, Technical, Technology, Reference, Nonfiction

 [Download Thinking in Java ...pdf](#)

 [Read Online Thinking in Java ...pdf](#)

Download and Read Free Online Thinking in Java Bruce Eckel

From Reader Review Thinking in Java for online ebook

Vladimir Ryashentsev says

????? ???? ????????. ?????? ??? ?? ???????? ? ??????????, ?????? ?????? ??? ??? ????? ? ???????
????????? ?? ??????. ???????????? ??? ?? ?????????? ?? ?? 3 ?????:

- ?? ?? ?????? ? ?????????;
- ??????? ???????????????;
- ?????? ?? ?????????? ? ?????????, ?? ?????????? ? ????

?? ?? ?????? - ?????????? ?????? ?????? ??, ?? ?????? ?????? ?????? ?? ?????????? ????????????

??? ????? ? ??????? ? ?????? ???. ??????? ?? ?????? ?????? ?????? ??????, ?????, ???/????... ? ????
????? ??????? ???.

Jonathan says

This book suffers from the same problem that many computer science books have. It seems that Eckel believes that learning a programming language should be completed on an exponential curve.

- 0 - basic... "This is a variable" type stuff.
- 10 - this is how you make a function.
- 100 - you need to develop classes in this manner
- 1000 - when you're calling from the stack...

I know that one should have some computer science background when reading this book, however it seems to me that one should either start off at around 100, with a spot in the intro for 0 and 10, or just go a little slower...

Ezequiel says

Good intro to Java, although it's a bit outdated now (the fourth edition focuses on Java 5 while the latest standard is Java 8 from 2014), but it's good to have an idea of several aspects of the language. Coming from C++ I found it entertaining and clear, the author often makes a parallel between both languages. I'll try to compensate by reading Java 8 in Action next.

I didn't go through the last chapter as I've heard that there's a new way of implementing a user interface, and also I'm not interested in that feature right now.

Dmytro Karataiev says

A bit outdated, code listing are hard to follow due to a bad text formatting.

Rostislav Vatolin says

The basics of Java. Easy to read.

Zach says

Bruce's approach to teaching the Java fundamentals is refreshingly different from most Learn Java books. I have been working with Java for three years, starting with college courses and the very basic Teach Yourself Java books. Most books simply go into syntax and fundamentals from a 'how-to' approach. 'Thinking in Java' is more concerned with explaining the Java language's design and behavior, and how the current topic fits in with Object Oriented Programming. I found myself having constant, "OH!" moments where something I'd been doing out of learned habit suddenly made sense from a broader approach.

Pros: Incredibly thorough, if you work your way through it you really develop a better understanding for Java and OOP, filled with exercises and recommended reading.

Cons: Definitely not a pure beginner book (but he addresses this in the introduction.) Most examples are written abstractly (i.e. not framed in real world problems/solutions) making the concept a little more difficult to wrap your head around.

Despite being pretty dense at times, working your way through the topics and exercises laid out in the book is a sure way to cement your foundation in Java.

Anton Petrov says

I lived to see the last page of that book!

It definitely expanded my vision and understanding of the programming world of Java. The book is full of details and examples. I found them a bit too many. They would serve much better as a reference rather than to teach something about the language itself. Nevertheless they absolutely satisfied my curiosity at the points where I had some extra in my bag.

I would recommend this book to the intermediate programmer. I don't think it is a book for the very beginner one. And it does require some determination and persistence considering how fat it is. Especially for people that are not used to reading a lot.

Juris says

One of the best Java books.

Stepan Soboliev says

Good book. Many moments described in detail. But not very good translation into Russian.

Natik says

This book is actually really good for a (really curious) beginner who has never seen a single line of code before. It is absolutely not a cookbook.

In school, they often present "intro to programming" classes as "how to memorize sections of funny symbols". You are basically glued to whatever programming language they use to introduce the CONCEPT of (object-oriented) programming or even computer science. This does not prepare you for problem solving in any way.

In this book, the intro chapter alone helps clear up months of previous confusion because it provides context of what is happening in the computer and more. It actually bothered to discuss the basics of the "lower levels" of your computer/ internet etc and how those interact with Java. It then actually bothers to constantly reference how all parts of your growing code are working with each other and your data. It prepares you to troubleshoot things yourself, instead of Googling some random guy's school project to copy and paste from.

Basically, this book should be renamed "Thinking in code" and not so much JAVA, even though it is 100% JAVA. Oh yeah, and the publisher should make the word "Thinking" in size 90000 font.

Denis says

????? ?? ????? ?????, ?? ?????????? ?? ???????.

????? ?? ????? ?? ????????, ??????? ?? ?????????? ?? ??????????. ? ?????????? ?????????, ?? ?????????? ? ??, ???
????????????? ?????????? ?????????? ??????

??? ?????? ?????????? ?? ?????????? ?????????? ?????????? ??? ?? ?????? java. ? ?????????? ??? ?????? ?????????? ?
?????????

Must have!

CharJin says

I think it is a very good book improving the java learner to further study java.

Janez Perme says

This one is definitely not for a beginner. You better have some previous knowledge about Java. Knowing C/C++ would be a plus. At least elementary knowledge.

Pros: Has some good tricks explained. Sometimes it goes into great details. Also, it presents some examples that could be quite useful in everyday tasks. Anonymous classes were clearly explained. The same goes for Exceptions.

Cons: Explanations of patterns were inconvenient. Explanations of generics were also inconvenient - not clear enough. Many times, I found Bruce to be disorganized - e.g. explanations of I/O.

And another thing: Java has marched on. Book explains Java 1.6 and it shows (e.g. missing switch statement with Strings). At the time of this writing Java 1.8 is IN. This book should follow. In that case I might consider giving it an extra star. Just maybe :)

I'm not familiar with his Thinking in C++ book, but it might be better. I'm fluent in C.

Anurag Misra says

Excellent read. Recommended for new comers, as well as experienced developers. This book gives an insight and perception into writing code, and working of the language no other programming reference manuals come close to. This book will help you develop your approach to design and object oriented programming.

Dmitriy Chaban says

Really great book to refresh knowledge about java and concurrency. I was thinking that this book will just tell you about language specification e.g you have to write variable as so etc. But this book really helps you "Think" in java. A lot of examples helps to understand the problem better.

Although it can be somehow overwhelming for novices, as a book saying in the preface. This book is more suitable for people who already know the language and ready to refresh/expand their knowledge of it.
