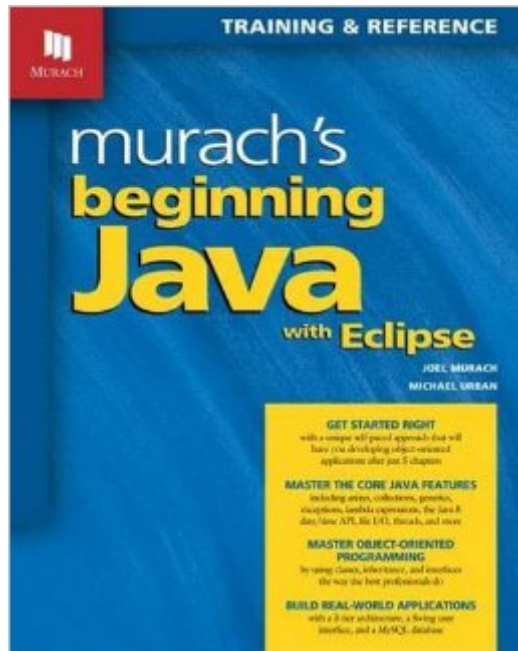# Murach's Beginning Java With Eclipse

Synopsis

Want to learn Java?Then, Murach's Beginning Java with Eclipse is for you! Its goal is to ease the steep learning curve and it uses the Eclipse IDE to make you productive as quickly as possible. In fact, you'll grow from beginner to entry-level professional! Here's how:Section 1 guides you through the core concepts and coding you need to create simple object-oriented applications. By the end of this section, you'll be using Eclipse to code, test, and debug 3-tier Java applications that use classes from the java SE 8 API as well as your own classes.Then, sections 2, 3, and 4 let you build out your core Java and OOP skills. Here, you'll find chapters that expand on skills that were presented in section 1 or that teach you new skills. That includes working with features that are new in Java 8, like lambda expressions and the new date/time API.At that point, you'll have all the Java prerequisites you need to start learning web or Android programming. Or, you can go on to section 5 to start developing desktop applications for business with a Swing interface and a MySQL database.Along the way, the sample applications will show you how to apply your skills in the real world. And the chapter exercises will give you valuable hands-on experience programming (the solutions to these exercises are posted at our website, so you can check your work).

Book Information

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Customer Reviews

I've been teaching java from the Murach Java 7 book for a few years now. That book is great but uses netbeans. This book is shorter, more focused. It removes the XML section, rearranges to put

arrays before OO skills, drops applets, and basically rearranges the book to be more focused. I will use this book going forward, I can assure you. It's great for teaching and has marvelous support material.

The body of knowledge when it comes to Java is quite vast and can be very intimidating to a beginner because it is hard to know where to begin. So many books try to be comprehensive reference manuals that they can cause someone new to Java to drown in information overload. Other Java books will explore a specialized API in great detail, but it can be hard to see the big picture.Ã¢Â ÂœMurach's Beginning JavaÃ¢Â Â• is a gentle introduction designed to enable beginners to learn the essential basics of the language. It comes in two editions: one for the NetBeans IDE and one for the Eclipse IDE. The two books are essentially the same except for the IDE you choose to develop with. There are two appendixes at the end of the book, one for Windows and other for Mac OS X, that show how to install Java and the respective IDE's so you can work the end-of-chapter exercises.As beginning books, they cover the basics you would expect: classes, methods, primitive types, operators, control statements, strings and arrays. It also covers basic object-oriented programming concepts including inheritance, interfaces, inner classes, enumerations and exceptions. The books employ the paired-pages format that Murach is known for: For each topic, the right page contains pictures, diagrams, code examples, and bullet points, while the left page contains the explanatory text.At the end of every chapter, there are a set of hands-on exercises that let you practice the concepts in that chapter. The practice exercises are quite important to do. So many other books either don't have practice problems at all, or if they do, they are so open-ended and time-consuming that it is hard to know if you got them right. Murach provides practice code that you download from their website. The problems typically involve using the IDE to make simple code modifications, and then running and debugging your changes. This is an important hands-on approach, since it not enough to learn a new language just by reading about it.As a beginning book, it also briefly mentions lambdas, generics and threads, but does not go very deep into those topics. Threads especially can be an involved topic that deserve a book of their own. It also has some basic coverage of the new date/time API. File I/O is limited to text files. Unfortunately, the only collection that was covered in any depth was a List, with minimal discussion of Maps and Sets. Sets and Maps are essential data structures that any Java developer should know, and I was quite disappointed the book did not cover them in much detail. It also seems strange the author would discuss the equals method but not hashCode which I feel should be discussed together.Surprisingly for a beginning book, it has coverage of JDBC in the later chapters

by having the user install MySQL and MySQL Workbench in the later chapters. It also has an introduction to creating a graphical user interface using Swing.This book is a bit different from Ã¢Â ÂœMurach's Java Programming,Ã¢Â Â• 4th edition in that the other book goes at a faster pace and covers more material like binary file I/O and XML. It is designed for more advanced programmers who are simply looking to pick up Java as a new language. The introductory book is designed more for people who are new to programming generally, not just Java. All-in-all the book succeeds in what it is trying to do. You won't be an expert after reading this book, but you will be in a better place to explore and understand the rest of the language.

"Murach's Beginning Java with Eclipse" teaches Java and your first IDE (integrated development environment) at the same time. Like all Murach books, the book is heavy (600+ pages) and contains good review/labs at the end of each chapter. Including those that have you modify existing code. When I feature was introduced in a certain version of Java, the book points out which one.I really liked the intro including types of applications and keywords. I like the covering Eclipse as needed for specific concepts including perspectives, code completion and the debugger. Similarly, good programming idioms are covered so readers can see patterns. I particularly liked how the code listings highlighted the relevant parts. I also liked the UML class diagram introduction.This book is equivalent to Murach's Beginning Java with NetBeans book. I was happy to see they added hashCode() something I noted as missing in my NetBeans book review.I recommend either this or the NetBeans book as an intro book. Eclipse is more marketable than NetBeans so I lean towards preferring this one of the two.I reviewed the print version of the NetBeans book and the e-book of the Eclipse book (since so much of the content was the same.) I recommend the print book. Murach's books work better in print because of the paired pages format.---Disclosure: I received a copy of this book from the publisher in exchange for writing this review on behalf of CodeRanch.

This is a great book for someone both new to programming or just new to the Java language. The authors slowly walk the reader through the basics: what Java is, OO basics, how to use an IDE, and how to test and debug. The core Java constructs are covered: control statements (if/else, loops and exception handling), strings and arrays. Proper detail is given to key concepts needed to work with Java, including inheritance, how to use collections, and working with lambdas.Did I mention this book covers the most recent version of Java, Java 8. The book does a complete job instructing the reader on how to use the free and open source IDE, Eclipse. Which is very useful for beginners, where they normally only learn the language and it's features but not how to code them and debug

issues within an IDE. The book also gives a through description on how to install all the software you need (Java, Eclipse, and the example code) on Windows and Mac machines. Finally, the book prepares you for corporate development by covering working with MySQL databases via JDBC.

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