



Java 8 in Action: Lambdas, Streams, and functional-style programming

By Raoul-Gabriel Urma, Mario Fusco, Alan Mycroft

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Summary

Java 8 in Action is a clearly written guide to the new features of Java 8. The book covers lambdas, streams, and functional-style programming. With Java 8's functional features you can now write more concise code in less time, and also automatically benefit from multicore architectures. It's time to dig in!

Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications.

About the Book

Every new version of Java is important, but Java 8 is a game changer. *Java 8 in Action* is a clearly written guide to the new features of Java 8. It begins with a practical introduction to lambdas, using real-world Java code. Next, it covers the new Streams API and shows how you can use it to make collection-based code radically easier to understand and maintain. It also explains other major Java 8 features including default methods, Optional, CompletableFuture, and the new Date and Time API.

This book is written for programmers familiar with Java and basic OO programming.

What's Inside

- How to use Java 8's powerful new features
- Writing effective multicore-ready applications
- Refactoring, testing, and debugging
- Adopting functional-style programming
- Quizzes and quick-check questions

About the Authors

Raoul-Gabriel Urma is a software engineer, speaker, trainer, and PhD candidate at the University of Cambridge. **Mario Fusco** is an engineer at Red Hat and creator of the `lambdaj` library. **Alan Mycroft** is a professor at Cambridge and cofounder of the Raspberry Pi Foundation.

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Editorial Review

About the Author

Raoul-Gabriel Urma has worked as a software engineer for Oracle's Java Platform Group, Google's Python team, Ebay, and Goldman Sachs as well as for several startup projects. He's currently completing a PhD in Computer Science at the University of Cambridge and is a regular speaker and instructor.

Mario Fusco is a senior software engineer at Red Hat working on Drools, the JBoss rule engine. He created the open source library lambdaj, an internal Java DSL for manipulating collections in a functional way.

Alan Mycroft is Professor of Computer Science at the University of Cambridge, where he researches programming languages, their semantics, optimization and implementation. He is a co-founder and Trustee of the Raspberry Pi Foundation.

Users Review

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Bryan Smith:

This Java 8 in Action: Lambdas, Streams, and functional-style programming are generally reliable for you who want to certainly be a successful person, why. The reason why of this Java 8 in Action: Lambdas, Streams, and functional-style programming can be among the great books you must have is giving you more than just simple studying food but feed an individual with information that maybe will shock your previous knowledge. This book is definitely handy, you can bring it all over the place and whenever your conditions in e-book and printed people. Beside that this Java 8 in Action: Lambdas, Streams, and functional-style programming forcing you to have an enormous of experience such as rich vocabulary, giving you demo of critical thinking that we know it useful in your day action. So , let's have it and luxuriate in reading.

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