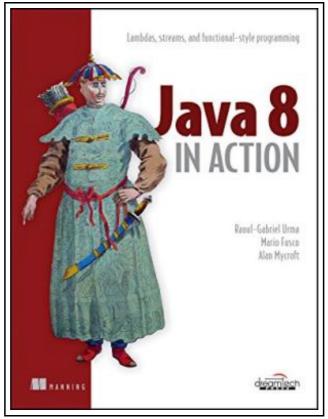
Java 8 in Action



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JAVA 8 IN ACTION



Wiley India Pvt. Ltd, 2014. Softcover. Book Condition: New. 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.Part 1 Fundamentals Chapter 1 Java 8: why should you care? Why is Java still changing? Functions in Java Streams Default methods Other good ideas from functional programming Chapter 2 Passing code with behavior parameterization Coping with changing requirements Behavior parameterization Tackling verbosity Real-world examples Chapter 3 Lambda expressions Lambdas in a nutshell Where and how to use lambdas Putting lambdas into practice: the execute around pattern Using functional interfaces Type checking, type inference and restrictions Method references Putting lambdas and method references into practice! Useful methods to compose lambda expressions Similar ideas from mathematics Part 2 Functional-style data processing Chapter 4 Introducing streams What are streams? Getting started with streams Streams vs. collections Stream operations Chapter 5 Working with streams Filtering and slicing Mapping Finding and matching Reducing Putting it all into practice Numeric streams Building streams Chapter 6 Collecting data with streams Collectors in a nutshell Reducing and summarizing Grouping Partitioning The Collector interface Developing your own collector for better performance Chapter 7 Parallel data processing and performance Parallel streams The fork/join framework Spliterator Part 3 Effective Java 8 programming Chapter 8 Refactoring, testing and debugging Refactoring for improved readability and flexibility Refactoring objectoriented design patterns with lambdas Testing lambdas Debugging Chapter 9 Default...



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