Master Modern Java: A Comprehensive Review of "Modern Java In Action"

In the ever-evolving landscape of software development, Java remains a cornerstone technology, powering countless applications and systems worldwide. With the release of Java 8 and subsequent versions, the language has undergone a significant transformation, introducing powerful new features and capabilities that revolutionize the way developers approach application design and development. To fully harness the potential of Modern Java, developers need a comprehensive guide that unlocks the intricacies of the language and empowers them to create robust, high-performance applications.

Modern Java in Action: Lambdas, streams, functional and reactive programming by Alan Mycroft

★★★★☆ 4.6 out of 5

Language	: English
File size	: 4985 KB
Text-to-Speech	: Enabled
Screen Reader	: Supported
Enhanced typesetting	: Enabled
Print length	: 591 pages

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"Modern Java In Action" emerges as the definitive guide to Modern Java, providing an in-depth exploration of its core concepts, advanced features, and best practices. Written by renowned Java experts Raoul-Gabriel Urma, Mario Fusco, and Alan Mycroft, the book offers a comprehensive and accessible approach to mastering Modern Java.

Key Features

- **Comprehensive Coverage:** Delves into the fundamentals of Java 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, and 20, ensuring readers are up-to-date with the latest advancements.

- **Practical Examples:** Illustrates concepts through numerous real-world examples, allowing readers to apply their knowledge effectively in practical scenarios.

- **Expert Insights:** Provides invaluable insights and perspectives from the authors, who are seasoned Java practitioners with extensive experience.

- **Code Samples:** Includes a wealth of code samples, making it easy for readers to experiment with the concepts and techniques discussed in the book.

- **Exercises and Challenges:** Offers challenging exercises and thought-provoking questions to reinforce understanding and encourage critical thinking.

Content Overview

"Modern Java In Action" is structured into three parts, each focusing on a critical aspect of Modern Java:

Part 1: Core Java

This part delves into the core principles of Java, covering topics such as:

- OOP concepts: Encapsulation, inheritance, polymorphism, and interfaces

- Generics and collections

- Concurrency

- Functional programming

Part 2: Advanced Java

Moving beyond the basics, Part 2 explores advanced topics that empower developers to build high-performance applications:

- Streams and I/O

- Reflection

- Networking

- Serialization

- Security

Part 3: Real-World Applications

The final part of the book showcases the practical application of Modern Java in real-world scenarios, including:

- Building web applications with Spring Boot

- Developing microservices with Spring Cloud

- Working with big data using Apache Spark

- Creating mobile applications with JavaFX

- Leveraging machine learning with Java

Target Audience

"Modern Java In Action" is an invaluable resource for:

- Java developers looking to upgrade their skills to Modern Java

- Experienced Java developers seeking to deepen their understanding of the language's latest features

- Software engineers and architects designing and building complex Java applications

- Students and educators interested in learning Modern Java in a comprehensive and engaging manner

"Modern Java In Action" is an essential guide for anyone who wants to master Modern Java and unlock its full potential. With its comprehensive coverage, practical examples, and expert insights, the book provides a solid foundation for building robust, scalable, and efficient Java applications. Whether you're a seasoned Java developer or just starting your journey with the language, "Modern Java In Action" is the definitive resource to help you stay ahead of the curve in the ever-evolving world of software development.

Free Download your copy today and embark on a transformative learning experience that will empower you to harness the power of Modern Java!

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About the Authors

Raoul-Gabriel Urma is a Java Champion and a member of the Java Community Process Executive Committee. He is the author of several books on Java, including "Java 8 in Action" and "Effective Java 3rd Edition".

Mario Fusco is a Java Champion and a member of the Java Community Process Executive Committee. He is the author of several books on Java, including "The Java 9 Module System" and "Java Performance: The Definite Guide".

Alan Mycroft is a Java Champion and a member of the Java Community Process Executive Committee. He is the author of several books on Java, including "Java SE 9 for the Really Impatient" and "Java: The Complete Reference".

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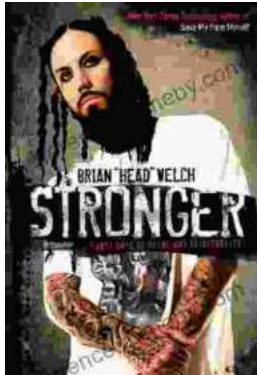
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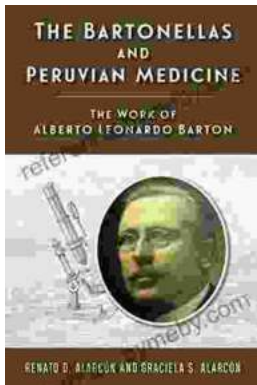|	
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