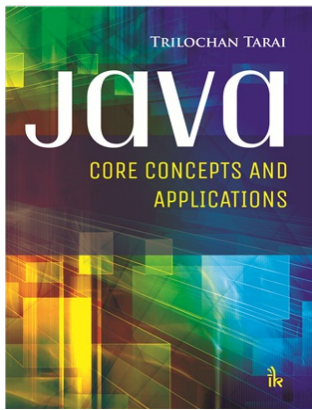


JAVA: Core Concepts and Applications, 1/e

Trilochan Tarai



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About the Book

Developing application software plays a crucial role in an enterprise and thus knowledge of programming language has become more essential. This book offers a comprehensive study package of the core concepts of Java Programming, with real-world examples from the industry, varieties of concepts like Marker Interface, Serialization, Externalization, Multithreading, Collection Framework etc., making it well-suited for OCJP/SCJP programs. Special coverage of utilities as (a) internet programming concepts, (b) benefits of executing Java programs, (c) advantages of updating new features, (d) ways of increased user performance, (e) security features and enhancements, and (f) improved developer productivity.

With its coverage and design, it will serve as a textbook for beginners for students of BE and B. Tech in Computer Science & Engineering and Information Technology, and Diploma in Computer Science. It will also be a good reference for BCA, MCA, BSc and MSc in Computer Science and Information Technology, DOEACC courses and for Java software professionals.

Salient Features

The first edition not only updates the major concepts, but also improves the content. Specifically the salient features are:

- ▶Annotation: A new feature in Java Programming provided by JDK5.0 version. It can be used to describe metadata (data about data) in Java programming.
- ▶Collection Framework: All collection frameworks contain the Interfaces, Implementations and Algorithms.
- ▶Enhanced for loop: Introduced in Java5. The advantage of for-each loop is that it eliminates the possibility of bugs and makes the code more readable.
- ▶Serialization & De-Serialization
- ▶Externalization
- ▶Debugging Exercises: In every chapter debugging exercise has been given which will help for OCJP.

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About the Author

Trilochan Tarai :- Trilochan Tarai obtained his B.Tech Degree in Information Technology from College of Engineering, Bhubaneswar (Under BPUT) and M.Tech in Computer Science & Engineering from Centurion University of Technology & Management. He has served as Assistant Professor, Associate Professor, HOD in CSE and Director in various engineering colleges under BPUT. Presently he is working as Chairman, Java Research Team & Java Architect, JavaRace. He is an experienced corporate trainer and a J2EE consultant also. His areas of expertise include frameworks (Spring, Hibernate), and Java Enterprise Components (Servlet, JSP, EJB). As a Java Architect, he has designed and developed various software applications for leading IT industries. He has published many research papers in International Journals.