



Introduction to Java Programming, Comprehensive (8th Edition)

By Y. Daniel Liang



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Introduction to Java Programming, Comprehensive, 8e, features comprehensive coverage ideal for a one-, two-, or three-semester CS1 course sequence.

Regardless of major, students will be able to grasp concepts of problem-solving and programming — thanks to Liang's fundamentals-first approach, students learn critical problem solving skills and core constructs before object-oriented programming. Liang's approach has been extended to application-rich programming examples, which go beyond the traditional math-based problems found in most texts. Students are introduced to topics like control statements, methods, and arrays before learning to create classes. Later chapters introduce advanced topics including graphical user interface, exception handling, I/O, and data structures. Small, simple examples demonstrate concepts and techniques while longer examples are presented in case studies with overall discussions and thorough line-by-line explanations. Increased data structures chapters make the **Eighth Edition** ideal for a full course on data structures.

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“One book [Liang] for ALL Java courses.” — Maureen Opkins, California State University — Long Beach

“The thorough nature of this text [Liang] should be stressed; it has utility as a reference far after the course is over.” — Dale Parson, Kutztown University of Pennsylvania

“The interactive and animated online support for this text [Liang] will help students realize how Java syntax evolves into a Java program, which, in turn, executes.” — Barbara Guillott, Louisiana State University

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About the Author

Dr. Liang earned his Ph.D. in Computer Science from the University of Oklahoma in 1991, and an MS and BS in Computer Science from Fudan University in Shanghai, China, in 1986 and 1983. Prior to joining Armstrong, he was an associate professor in computer science at Purdue University in Fort Wayne, where he twice received the Excellence in Research award.

Dr. Liang was trained in theoretical computer science. He was active in graph algorithms from 1990 to 1995 and published more than ten papers in several established journals such as SIAM Journal on Computing, Discrete Applied Mathematics, Acta Informatics, and Information Processing Letters. Since 1996, he has devoted to writing texts and published more than thirty books with Prentice Hall. His popular computer science texts are widely adopted in the world.

Dr. Liang was elected a Java Champion in 2005 by Sun Microsystems. He has given lectures on Java internationally.

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