

Java in Two Semesters

Featuring JavaFX

This easy-to-follow textbook teaches Java programming from first principles, as well as covering design and testing methodologies. The text is divided into two parts. Each part supports a one-semester module, the first part addressing fundamental programming concepts and software development principles, and the second part building on this foundation, teaching the skills required to develop more advanced applications.

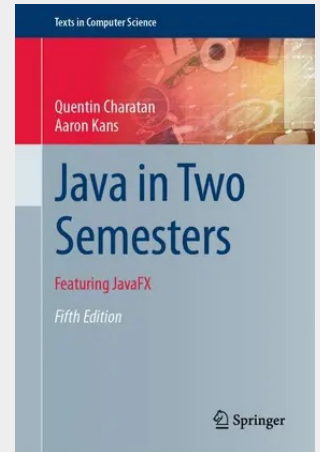
This refreshed includes new material, bringing it up to date with the current developments in the field, in particular with key developments that have emerged since the fourth edition.

Topics and features:

- Introduces fundamental programming concepts, such as declaration of variables, control structures, methods and arrays
- Covers the fundamental object-oriented concepts of classes and objects, inheritance and polymorphism
- Includes self-test questions and programming exercises at the end of each chapter, as well as two illuminating case studies
- Explores the way in which applications are designed, tested and developed to produce high quality software
- Includes advanced topics such as interfaces and lambda expressions, generics, collection classes and exceptions
- Introduces JavaFX for constructing high quality event-driven graphical interfaces
- Provides additional resources at its associated website (charatankans.com)

Offering a gentle introduction to the field, assuming no prior knowledge of the subject, is the ideal companion to undergraduate modules in software development or programming.

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90,94 €

84,99 € (zzgl. MwSt.)

vorbestellbar, Erscheinungstermin ca. Oktober 2026

Artikelnummer: 9783032214331

Medium: Buch

ISBN: 978-3-032-21433-1

Verlag: Springer Nature Switzerland AG

Erscheinungstermin: 28.10.2026

Sprache(n): Englisch

Auflage: Fifth Auflage 2027

Serie: Texts in Computer Science

Produktform: Gebunden

Seiten: 713

Format (B x H): 155 x 235 mm

