



Beginning Java Programming: The Object-Oriented Approach

By Bart Baesens, Aimee Backiel, Seppe vanden Broucke



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A comprehensive Java guide, with samples, exercises, case studies, and step-by-step instruction

Beginning Java Programming: The Object Oriented Approach is a straightforward resource for getting started with one of the world's most enduringly popular programming languages. Based on classes taught by the authors, the book starts with the basics and gradually builds into more advanced concepts. The approach utilizes an integrated development environment that allows readers to immediately apply what they learn, and includes step-by-step instruction with plenty of sample programs. Each chapter contains exercises based on real-world business and educational scenarios, and the final chapter uses case studies to combine several concepts and put readers' new skills to the test.

Beginning Java Programming: The Object Oriented Approach provides both the information and the tools beginners need to develop Java skills, from the general concepts of object-oriented programming. Learn to:

- Understand the Java language and object-oriented concept implementation
- Use Java to access and manipulate external data
- Make applications accessible to users with GUIs
- Streamline workflow with object-oriented patterns

The book is geared for those who want to use Java in an applied environment while learning at the same time. Useful as either a course text or a stand-alone self-study program, *Beginning Java Programming* is a thorough, comprehensive guide.

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Editorial Review

Review

"Learning Java is a big subject, and this is a big book to match. I would recommend this book to anyone who is serious in learning to program in Java." (BCS - The Chartered Institute for IT, February 2017)

From the Back Cover

Start programming with Java today

Beginning Java Programming, The Object-Oriented Approach is your introduction to Java. Providing hands-on experience, this comprehensive beginner's guide gives you practical examples and real-world problems that will test your skills and provide a deep understanding of tasks, including getting Java to talk to your data, creating a graphical user interface, and much more. With complete coverage of basic concepts, syntax, external data, GUIs, and patterns, you will quickly become familiar with one of the most popular programming languages.

Beginning Java Programming: The Object-Oriented Approach

- Understand the basic concepts of Java, and the effective use of object-oriented patterns to streamline the developer's workflow
- Examine Java-specific syntax and language characteristics, and learn how the concepts of the object-oriented approach are implemented
- Use Java to quickly and easily access and manipulate external data stored in files, databases, and web sources
- Create applications users love to work with by designing efficient, accessible, attractive graphical user interfaces
- Test your skills on real-life IDE-based business and educational applications that demonstrate each concept
- Squash bugs and avoid programming errors by learning how to debug and test your applications.
- Familiarize yourself with the concept of best practice object-oriented design patterns to structure your projects.

Wrox Beginning guides are crafted to make learning programming languages and technologies easier than you think, providing a structured, tutorial format that will guide you through all the techniques involved.

About the Author

About the authors **Bart Baesens** is a professor at KU Leuven and a lecturer at the University of Southampton, where he teaches various programming and database management courses.

Aimée Backiel is a doctoral researcher at KU Leuven. She teaches basic programming in Java to learners from diverse backgrounds.

Seppe vanden Broucke is a postdoctoral researcher at KU Leuven. He uses Java daily, giving him insight into useful applications for practitioners.

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