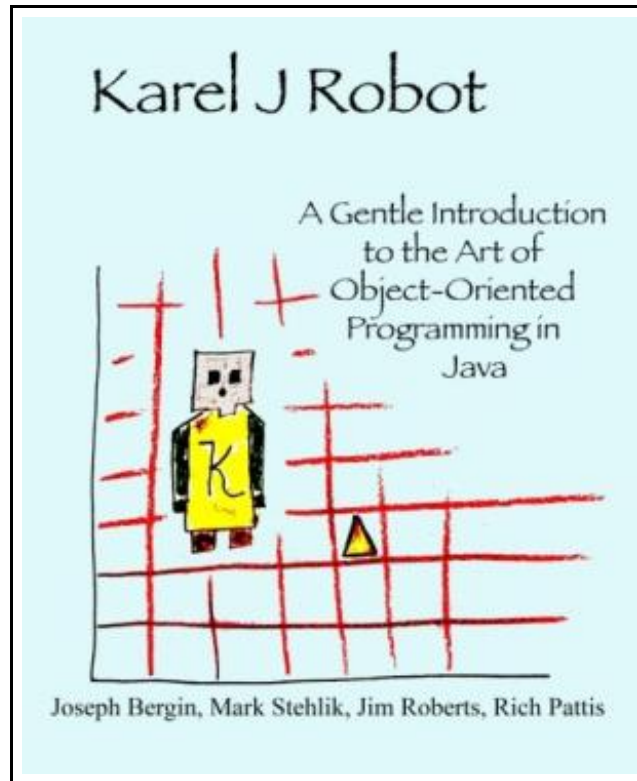# Karel J Robot: A Gentle Introduction to the Art of Object-Oriented Programming in Java

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Reviews

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Dreamsongs Press. Paperback. Book Condition: New. Paperback. 240 pages. Dimensions: 9.0in. x 7.5in. x 0.7in.Karel J Robot is an introduction to computer programming for novices. It uses the Java programming language to introduce the principles of object-oriented programming. It is the latest version in the Karel The Robot series, originally developed by Richard Pattis. It is a true successor to the original, emphasizing problem solving in a simple but Turing Complete and interesting virtual world. Karel J Robot stresses problem solving rather than language syntax. It has been shown to be an effective learning environment for novice programmers. A student able to do the exercises in this book, or one of its companions, is truly on his or her way to a deep understanding of programming. Learn to write sophisticated Java code in a few weeks. It is not a comprehensive treatment of Java, but emphasizes problem solving using objects, writing classes, and developing skill in algorithmic and polymorphic thinking. It goes beyond thinking of computing as just if and while. The advantages pointed out by reviewers of Karel J Robot follow: Karel J Robot is an excellent introduction to modern computer science, without letting students get overwhelmed by the details of a programming language (even though it is real Java). KJR provides a framework for understanding Object-Oriented Programming from the very beginning. Students are encouraged to develop problem-solving skills by producing projects that solve very complex problems with a relatively small set of tools. Don Slater, Carnegie-Mellon University I have been successfully introducing students in grades 9 through 12 to programming using Karel for the past twenty years and Karel J Robot is the most effective version yet. Students love it! They find principles of OOP (class design, constructors, methods, inheritance, polymorphism) come naturally to them, even before they...

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