Our textbook Introduction to Programming in Java is an interdisciplinary approach to the traditional CS1 curriculum. We build on the language of programming to reach beyond the strictly computational to genomics to astrophysics to internet commerce. The book is organized around four stages of learning to program. --

This book is suitable for use in a university-level first course in computing (CS1), as well as the increasingly popular remedial or refresher course. It has a single overarching goal: to present the core concepts of computer science as simply as possible without being simplistic.

Get a solid understanding of Java fundamentals to master programming through a series of practical steps

Key Features

- A gentle introduction that encourages dipping and reference. Also included are sections on open problems in software theory and practice.
- The implementation model and behavior of programming paradigms at abstract level rather than a comparative level.
- The analysis and formulation of problems for computer solution. Systematic design, construction, and testing of programs. Substantial programming practice.
- The discussion of error detection and recovery, and debugging.
- The presentation of errors generated by computer system or application software.
- The treatment of the software processes in the design, implementation, testing, and maintenance of software.
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