Computer Algorithms: Introduction to Design and Analysis (3rd Edition)

By Sara Baase, Allen Van Gelder

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have extensively revised this best seller on algorithm design and analysis to make it the most current and accessible book available. This edition features an increased emphasis on algorithm design techniques such as divide-and-conquer and greedy algorithms, along with the addition of new topics and exercises. It continues the tradition of solid mathematical analysis and clear writing style that made it so popular in previous editions. Highlights *Emphasizes the development of algorithms through a step-by-step process rather than merely presenting the end result * Stresses the importance of the algorithm analysis process-continuously re-evaluating, modifying, and perhaps rejecting algorithms until a satisfactory solution is attained * Provides extensive treatment of recursion with a clear, student-friendly review of how it works and why it is a valuable programming technique * Uses a Java-like pseudocode; includes an appendix with Java examples 0201612445B04062001

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Editorial Review

From the Back Cover

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About the Author

Sara Baase is a Professor of Computer Science at San Diego State University, and has been teaching CS for 25 years. Dr. Baase is a three-time recipient of the San Diego State University Alumni Association's Outstanding Faculty Award, and she has written a number of textbooks in the areas of algorithms, assembly language and social and ethical issues related to computing. She earned her doctorate at the University of California, Berkeley. **Allen Van Gelder** is a Professor of Computer Science at the University of California at Santa Cruz, where he has been teaching CS for 12 years. He received his Ph.D. in Computer Science at Stanford University, and is a past recipient of the Presidential Young Investigator Award.

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