# Programming Pearls (2nd Edition)

By Bentley, Jon

Addison-Wesley Professional, 1999. Book Condition: New. Brand New, Unread Copy in Perfect Condition. A+ Customer Service! Summary: I. PRELIMINARIES. Column 1. Cracking the Oyster.A Friendly Conversation.Precise Problem Statement.Program Design.Implementation Sketch.Principles.Problems.Further Reading.Column 2. Aha! Algorithms.Three Problems.Ubiquitous Binary Search.The Power of Primitives.Getting It Together: Sorting.Principles Problems.Further Reading.Implementing an Anagram Program.Column 3. Data Structures Programs.A Survey Program.Form-Letter Programming.An Array of Examples.Structuring Data.Powerful Tools for Specialized Data.Principles.Problems.Further Reading.Column 4. Writing Correct Programs.The Challenge of Binary Search.Writing the Program.Understanding the Program.Principles.The Roles of Program Verification.Problems.Further Reading.Column 5. A Small Matter of Programming.From Pseudocode to C.A Test Harness.The Art of Assertion.Automated Testing.Timing.The Complete Program.Principles.Problems.Further Reading.Debugging.II. PERFORMANCE. Column 6. Perspective on Performance.A Case Study.Design Levels.Principles.Problems.Further Reading.Column 7. The Back of the Envelope.Basic Skills.Performance Estimates.Safety Factors.Little's Law.Principles.Problems.Further Reading.Quick Calculations in Everyday Life.Column 8. Algorithm Design Techniques.The Problem and a Simple Algorithm.Two Quadratic Algorithms.A Divide-and-Conquer Algorithm.A Scanning Algorithm.What Does It Matter?Principles.Problems.Further Reading.Column 9.

## Reviews

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