Data Abstraction and Problem Solving with Java (2nd Edition)

By Frank Carrano, Janet Prichard

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The second edition, in Java, of the classic Walls and Mirrors approach to programming designs solutions to problems using both data abstraction (the walls) and recursion (the Mirrors). *Data Abstraction and Problem Solving with Java: Walls and Mirrors, 2e* provides a focus on the important concepts of data abstraction and data structures in a way that beginning programmers find accessible.   The first part of the book covers problem-solving techniques including a review of Java fundamentals, principles of programming and software engineering, recursion and data abstraction, and linked lists. Later chapters focus on problem solving with abstract data types including stacks, queues, algorithm efficiency and sorting, trees, and graphs. This edition contains enhanced material on OO implementation. **MARKET**: Readers searching for problem solving solutions through abstraction, algorithmic refinement, data structures and recursion.

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