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## C++ Programming: From Problem Analysis to Program Design (Sixth Edition)

By D.S. Malik

Course Technology/Cengage Learning India, 2013. Softcover. Book Condition: New. 5th or later edition. 24 x 18 cm. A full-color interior precisely displays syntax highlighting, emphasizing C++ keywords and comments for beginning programmers. More than 300 visual diagrams illuminate difficult concepts. Numbered full-code examples throughout walk students through the stages of Input, Output, Problem Analysis, and Algorithm Design to illustrate key topics in each chapter. Every programming example includes a full explanation and sample run. NEW Reorganized content introduces variables earlier and streamlines user-defined functions in response to instructor demand. NEW Updated end-of-chapter exercises emphasize timely and relevant problems, providing ample opportunities for practice. 1. An Overview of Computers and Programming Languages. 2. Basic Elements of C++. 3. Input/Output. 4. Control Structures I (Selection). 5. Control Structures II (Repetition). 6. User-Defined Function. 7. Namespaces, the Class String, and User-Defined Simple Data Types. 8. Arrays. 9. Records (Structs). 10. Classes and Data Abstraction. 11. Inheritance and Composition. 12. Pointers, Classes, Virtual Functions, and Abstract Classes. 13. Operator Overloading and Templates. 14. Exception Handling. 15. Recursion. 16. Searching and Sorting. 17. Linked Lists. 18. Stacks and Queues. Appendix A. Reserved Words. Appendix B. Operator Precedence. Appendix C. Character Sets. Appendix D. Operators Overloading. Appendix...



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