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Data Structures and Algorithms Using C#

By Michael McMillan

Cambridge University Press, New Delhi, India, 2008. Paperback. Book Condition: New. First Edition. C# programmers: no more translating data structures from C++ or Java to use in your programs! The approach is very practical, using timing tests rather than Big O notation to analyze the efficiency of an approach. Coverage includes arrays and array lists, linked lists, hash tables, dictionaries, trees, graphs, and sorting and searching algorithms, as well as more advanced algorithms such as probabilistic algorithms and dynamic programming. This is the perfect resource for C# professionals and students alike. Contents Preliminaries 1. Collections 2. Arrays and arraylists 3. Basic sorting algorithms 4. Basic searching algorithms 5. Stacks and queues 6. The bitarray class 7. Strings, the string class and the stringbuilder class 8. Pattern matching and text processing 9. Building dictionaries - the dictionarybase class and the sortedlist class 10. Hashing and the hashtable class 11. Linked lists 12. Binary trees and binary search trees 13. Sets 14. Advanced sorting algorithms 15. Advanced data structures and algorithms for searching 16. Graphs and graph algorithms 17. Advanced algorithms. Printed Pages: 336. Size: 185 x 240 Mm.



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