

COSC 201 Topic List

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Fall 2012

1. Java Bootcamp (Ch. 1-3)
2. Inheritance, Polymorphism, super, final (Ch. 4)
3. Interface, Abstract, Templates, Wildcards(opt) (Ch. 4)
4. Algorithm Analysis (Ch 5)
5. Collection and Collections API (Ch. 6)
6. LinkedList, ArrayList (Ch. 6)
7. Stacks, Queues (Ch. 6)
8. Recursion, what's wrong with Fib, maxcontsubsum (Ch. 7)
9. RSA (Ch. 7, 9)
10. Insertion Sort, mergesort, Shellsort, Quicksort (Ch. 8)
11. Randomization, LCG (Ch. 9)
12. Calculator example, infix to postfix (Ch. 11)
13. Shortest path problem, Dijkstra's Alg., Bellman-Ford (Ch. 14)
14. Tree traversals (Ch. 18)