• Iterator Pattern

• Binary Search Trees

– Exam #2 on Wed, Apr 5 at 7:30PM in DH 1064
– Milestone #2 due date changed to Fri, Apr 7 at 10AM

– Announcements
In a binary search tree, each node's key is greater than its left child's key and less than its right child's key.

**Binary Search Trees**

March 29, 2000
How many steps (in the worst case) would it take to find a key in the following tree?

Binary Search Trees (cont.)
The same keys might be arranged to form a "perfectly" unbalanced tree.

Binary Search Trees (cont.)
would 79 go? Where would 30 go into the following tree? Where would 32 go? Where

**Binary Search Trees Insertion**
Deleting an "interior" node, e.g., 53, is hard.

Deleting a leaf node, e.g., 68, is easy.

Binary Search Trees: Deletion