



Slide 2







For linear data structures (lists, arrays, etc.), basically only one reasonable way to "walk through" the structure to visit each element. For trees, there are three "reasonable" ways: Preorder traversal (root first, then subtrees). In-order traversal (leftmost subtree first, then root, then rest). Postorder traversal (subtrees first, then root) Functions to perform any of these (e.g., and print each node as it is visited) are almost trivial to write write recursively, much more difficult without recursion.

Slide 6





Slide 8

