

Traversals

- ▶ What are trees?

Traversals

A traversal is a process that visits all the nodes in the tree. Since a tree is a nonlinear data structure, there is no unique traversal. We will consider several traversal algorithms with we group in the following two kinds

- ▶ depth-first traversal
- ▶ breadth-first traversal

There are three different types of depth-first traversals, :

PreOrder traversal - visit the parent first and then left and right children; InOrder traversal - visit the left child, then the parent and the right child; PostOrder traversal - visit left child, then the right child and then the parent;