**Binary Tree Notes**

**Tree traversal with different orders**

**Iterative approaches**

Preorder

* Easy and obvious

Inorder

* Keep going left to fill the stack. Pop from the stack and check if it has a right child, visit this right child

Postorder

* Two stack approach, use preorder to create a stack that contains nodes in a inverse order
* One stack approach, put in root and then right child. Check if the right child is on top of the stack. Check code.

**DFS vs BFS**

* One uses stack and the other uses queue
* Exhaust the queue with a for loop when it’s at the same level