

# PLAYBOOK NOTES: IN ORDER TRAVERSE

## Big Picture:

An in-order traverse will do the following

- 1) Go Left
- 2) Visit
- 3) Go Right

## Algorithm:

- 1) Create an empty stack S.
- 2) Initialize current node as root
- 3) If Current is not NULL, Push the current node to S and set current = current->left until current is NULL
- 4) If current is NULL and stack is not empty then
  - a) Pop the top item from stack.
  - b) Print the popped item, set current = popped\_item->right
  - c) Go to step 3.
- 5) If current is NULL and stack is empty then we are done.

## Example:

WIP

Reference:

<https://www.geeksforgeeks.org/inorder-tree-traversal-without-recursion/>