Recursive solution is trivial.

# CODE -> Teamph -> O(n), Spau -> O(logn) ang &

Vector Lint> V;

vector < int> inorder (Tree Node\* root) {

if (root == NULL) {

return V;

3

Prorder (root → left) ;

v. push\_back (root -> val);

inorder (root -> right);

return v;

7

-> Iterative solution.

- (i) Push the current node to stack. and set ours = aure → left until ours is NULL.
- (ii) When our == NULL and stack is not empty,

  pop the topmost on node, print it/s value and

  set our = cue -> right.

```
# COPE
        vector (int) 0;
        vector Lind > inorder (TreeNode* root)
              stack (Tree Node* > S;
              while (root 1 = NULL 11 1 s. empty()) {
                      while (root } = NULL) {
                             8. push (root);
                             root = root -> Jeft;
                       root = s, top();
                       s. pop();
                       v. push_back (root → val);
                       root = root -> right;
                     7
                  return V;
              · } .
```

Time complexity -> O(n)
space complexity -> O(n).