#include <iostream>

using namespace std;

void Inorder(Node \* root) {

Node\* current = root;

while (current != NULL) {

if (current->left == NULL) {

cout << current->data << " ";

current = current->right;

}

else {

Node \* predecessor = current->left;

while (predecessor->right != current && predecessor->right != NULL) {

predecessor = predecessor->right;

}

if (predecessor->right == NULL) {

predecessor->right = current;

current = current->left;

}

else {

predecessor->right = NULL;

cout << current->data << " ";

current = current->right;

}

}

}

}