import java.io.\*;

import java.util.\*;

class Node{

int val;

Node left, right;

public Node(int item){

val = item;

left = right = null;

}

}

class Main3{

public static Node node;

public static Node prevNode = null;

public static Node headNode = null;

public static void flattenBSTToSkewed(Node root){

if(root==null){

return;

}

flattenBSTToSkewed(root.left);

Node rightNode = root.right;

Node leftNode = root.left;

if(headNode == null){

headNode = root;

root.left = null;

prevNode = root;

}

else{

prevNode.right = root;

root.left = null;

prevNode = root;

}

flattenBSTToSkewed(rightNode);

}

public static void traverseRightSkewed(Node root){

if(root==null){

return;

}

System.out.print(root.val+" ");

traverseRightSkewed(root.right);

}

public static void main(String args[]){

Main3 tree = new Main3();

tree.node = new Node(50);

tree.node.left = new Node(30);

tree.node.right = new Node(60);

tree.node.left.left = new Node(10);

tree.node.left.right = new Node(40);

flattenBSTToSkewed(node);

traverseRightSkewed(headNode);

}

}