public class BinaryTree {

private TreeNode root;

private class TreeNode {

private TreeNode left;

private TreeNode right;

private int data; // Can be any generic type

public TreeNode(int data) {

this.data = data;

}

}

public void preOrder(TreeNode root) {

if(root == null) {

return;

}

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

preOrder(root.left);

preOrder(root.right);

}

public void createBinaryTree() {

TreeNode first = new TreeNode(9);

TreeNode second = new TreeNode(2);

TreeNode third = new TreeNode(3);

TreeNode fourth = new TreeNode(4);

root = first; // root ---> first

first.left = second;

first.right = third; // second <--- root ---> third

second.left = fourth;

}

public static void main(String[] args) {

BinaryTree bt = new BinaryTree();

bt.createBinaryTree();

bt.preOrder(bt.root);

}

}