import java.util.\*;

class binary

{

int data;

binary left;

binary right;

binary(int num)

{

this.data=num;

this.left=null;

this.right=null;

}

void addnode(int num)

{

if(num<this.data)

{

if(this.left!=null)

{

this.left.addnode(num);

}

else

{

this.left=new binary(num);

}}}

void preorder()

{

System.out.println(this.data);

if(this.right!=null)

{

this.right.preorder();

}}

void inorder()

{

if(this.left!=null)

{

this.left.inorder();

}

System.out.println(this.data);

if(this.right!=null)

{

this.right.inorder();

}}

void postorder()

{

if(this.left!=null)

{

this.left.postorder();

}

if(this.right!=null)

{

this.right.postorder();

}

System.out.println(this.data);

}

}