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\*/

package tree;

import java.util.Scanner;

/\*\*

\*

\* @author EKUStudent

\*/

public class YourSolution{

int a = 1;

private TreeNode root;

public void init( String [] sq, int len){

TreeNode node = new TreeNode();

node.numb = sq[1];

root = node;

preOrder2(node, 2, sq, len);

System.out.println("Pre:");

printpre(root);

System.out.println();

System.out.println("Inorder:");

printin(root);

}

private void printpre(TreeNode node) {

if (node == null) {

return;

}

String n = node.numb;

if(n.charAt(0)!='n')

System.out.printf("%s ", node.numb);

printpre(node.left);

printpre(node.right);

}

private void printin(TreeNode node) {

if (node == null) {

return;

}

printin(node.left);

String n = node.numb;

if(n.charAt(0)!='n')

System.out.printf("%s ", node.numb);

printin(node.right);

}

private void preOrder2(TreeNode node, int i, String [] sq, int len) {

if (i >= len) {

return;

}

TreeNode node2 = new TreeNode();

TreeNode node3 = new TreeNode();

String n = "1";

node2.numb = sq[i];

node.left= node2;

if(i+1<len){

n = sq[i+1];}

if(i+1<len&&n.charAt(0)!='n'){

node3.numb = sq[i+1];

node.right= node3;}

a++;

//}

preOrder2(node.left,2\*i,sq,len);

if(i+1<len&&n.charAt(0)!='n')

preOrder2(node.right,2\*(i+1),sq,len);

}

}

package tree;

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\* @author EKUStudent

\*/

class TreeNode{

public String numb;

public TreeNode left;

public TreeNode right;

public void disData() {

System.out.println("{ " + numb + " } ");

}

}

package tree;

import java.util.Scanner;

public class Tree {

public static void main(String[] args) {

/\*String sq[]= new String[15];

sq[1] = "1";

sq[2] = "2";

sq[3] = "3";

sq[4] = "4";

sq[5] = "5";

sq[6] = "6";

sq[7] = "7";

sq[8] = "8";

sq[9] = "9";

sq[10] = "10";

sq[11] = "11";

sq[12] = "12";

sq[13] = "13";

sq[14] = "14";\*/

Scanner in = new Scanner(System.in);

System.out.println("Enter the length of your tree (for example [1, 2, 3 ,4 ,5 ,6 ,7, null, 8] would be 9)");

int len = in.nextInt();

len++;

String sq[]= new String[len];

for (int i = 1; i < len; i++) {

System.out.println("Enter your "+i+" value:");

String n = in.next();

sq[i]=n;

}

YourSolution poo = new YourSolution();

poo.init(sq,len);

}

}