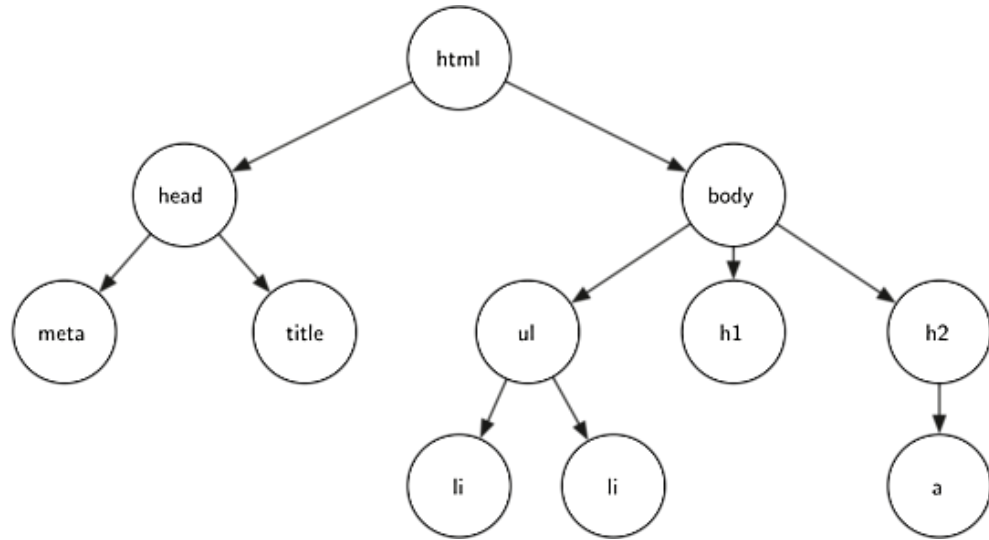


Hands-on Activity

HTML Tree

Create and display a JTree based on the given tree figure.



ANSWER:

```
1 package htmltree;
2 import javax.swing.*;
3 import javax.swing.tree.DefaultMutableTreeNode;
4
5 public class HtmlTree {
6     private JFrame frame;
7     HtmlTree(){
8         frame = new JFrame("JTree Example");
9
10        DefaultMutableTreeNode html = new DefaultMutableTreeNode("html");
11        DefaultMutableTreeNode head = new DefaultMutableTreeNode("head");
12        DefaultMutableTreeNode body = new DefaultMutableTreeNode("body");
13        html.add(head);
14        html.add(body);
15
16        DefaultMutableTreeNode meta = new DefaultMutableTreeNode("meta");
17        DefaultMutableTreeNode title = new DefaultMutableTreeNode("title");
18        head.add(meta);head.add(title);
19
20        DefaultMutableTreeNode ul = new DefaultMutableTreeNode("ul");
21        body.add(ul);
22
23        DefaultMutableTreeNode li = new DefaultMutableTreeNode("li");
24        DefaultMutableTreeNode li1 = new DefaultMutableTreeNode("li");
25        ul.add(li);
26        ul.add(li1);
27
28        DefaultMutableTreeNode h1 = new DefaultMutableTreeNode("h1");
29        body.add(h1);
30
31        DefaultMutableTreeNode h2 = new DefaultMutableTreeNode("h2");
32        body.add(h2);
33
34        DefaultMutableTreeNode a = new DefaultMutableTreeNode("a");
35        h2.add(a);
36
37        JTree jtree = new JTree(html);
38        frame.add(jtree);
39        frame.setSize(300,300);
40        frame.setVisible(true);
41        frame.setDefaultCloseOperation(frame.EXIT_ON_CLOSE);
42    }
43    public static void main (String [] args){
44        new HtmlTree();
45    }
46 }
```

Output:

