```
 1
 2 /**
 3  * This class Models both an Answer OR a
 4  * Question node of a
 5  * Question tree.
 6  *
 7  * The data field was restricted in order to distinguish
 8  * between a Question node and an Answer node.
 9  * The Constructor with only data as variable generates
10  * an Answer Node whereas the other generates
11  * a Question Node which spans to two
12  * other Nodes.
13  *
14  * <ul>
15  * <li> Name: QuestionNode.java
16  * <li> Description: Question Node
17  * <li> Class: Java 145
18  * <li> Instructor: Ken Hang && Janet Ash
19  * <li> Date: March 10 2015
20  * </ul>
21  * @author  Hai H Nguyen (Bill)
22  * @version Winter 2015
23  */
24 public class QuestionNode {
25     private String data;
26
27     /**
28      *  Pointer to the Yes node
29      */
30     public QuestionNode yes;
31
32     /**
33      *  Pointer to the No node
34      */
35     public QuestionNode no;
36
37     /**
38      *  Constructor, Initialize an Answer Node
39      * @param data          Answer issues to user
40      */
41     public QuestionNode(String data){
42         this(data, null, null);
43     }
44
45     /**
46      *  Constructor, Initialize a Question Node
47      * @param yes            Yes Node answer
48      * @param no             No Node answer
49      * @param data           Question to Ask
50      */
51     public QuestionNode(String data,
52                         QuestionNode yes,
53                         QuestionNode no){
54         this.data = data;
55         this.yes = yes;
56         this.no = no;
57     }
58
59     /**
60      * @return              True if the node doesn't have any child, False otherwise
61      */
62     public boolean isAnswer(){
63         return yes == null && no == null;
64     }
65
66     /**
67      * @return              Data of the node, either a question or an answer
68      */
```

```
69     public String toString(){
70         return data;
71     }
72 }//IS29
```