```java
 1  package com.Assign_2;
 2
 3  //Sebastian Wood 6664189
 4  //Intellij
 5
 6  //Node fro a tree structure
 7  public class Node {
 8      //The "left" subtree
 9      Node firstChild;
10      //The item that is actually stored in the node
11      final String item;
12      //The "right" subtree
13      Node nextSibling;
14
15      //Creates a new node with values given
16      public Node(Node firstChild, String item, Node
   nextSibling) {
17          this.firstChild = firstChild;
18          this.item = item;
19          this.nextSibling = nextSibling;
20      }
21
22      //Displays the node's item
23      public void displayNode() {
24          System.out.print(item);
25      }
26
27      //Displays the node's item in a format based on
   bool provided
28      public void displayNode(boolean isParent) {
29          //If node is a parent display item then add :
30          if(isParent) {
31              System.out.print(item + ": ");
32          }
33          //If node is child then display item then add
   ->
34          else {
35              System.out.print(" -> " + item);
36          }
37      }
38
39      //Lets you have the string of the node
40      //Mainly for readability during debugging process
41      @Override
```

```
42        public String toString() {
43            return item;
44        }
45  }
46
```