```java
import java.util.Comparator;
import java.util.LinkedList;
import java.util.Queue;

public class BTree<E>
{
    private Node<E> root;
    private Comparator<E> comparator;
    private int order;

    /**
     * Creates an empty tree from given order and comparator
     * @param theOrder - given order of the tree
     * @param theComp - given comparator of the tree
     */
    public BTree(int theOrder, Comparator<E> theComp)
    {
        this.order = theOrder;
        this.comparator = theComp;
        this.root = new Node<>(theOrder, theComp);
    }

    /**
     * Adds the given item into the tree
     * @param item - item to be added into the tree
     */
    public void add(E item)
    {

    }

    /**
     * Finds the leaf node in the tree rooted at the given node
     * @param curr - the node to start the traversal from
     * @param item - the item should be inserted at the node
     * @return the leaf node in the tree
     */
    private Node<E> findLeaf(Node<E> curr, E item)
    {
```

```
40          return curr;
41
42      }
43
44      /**
45       * Determines if the tree contains the given item
46       * @param item - the item to be determined if the tree
  contain
47       * @return true if the tree contains the item
48       */
49      public boolean contains(E item)
50      {
51          return findNode(root, item) != null;
52      }
53
54      /**
55       * Finds the node containing the specified item if it exists
  in tree
56       * @param curr - the node to start the traversal from
57       * @param item - the item to be found in the tree
58       * @return the node containing the specified item if it
  exists in tree
59       */
60      private Node<E> findNode(Node<E> curr, E item)
61      {
62          return curr;
63
64      }
65
66      /**
67       * Performs inorder traversal of the tree
68       * @param visitor - given visitor to start traverse inorder
  through
69       */
70      public void inorder(Visitor<E> visitor) {
71          inorder(visitor, root);
72      }
73
74      /**
```

```
75      * Performs inorder traversal of the tree
76      * @param visitor - given visitor to start traverse inorder
  through
77      * @param curr - node where the traversal start from
78      */
79     private void inorder(Visitor<E> visitor, Node<E> curr) {
80 
81     }
82 
83     /**
84      * Returns a string representation of this tree in sorted
  order
85      * @return a string representation of this tree in sorted
  order
86      */
87     public String toStringSorted() {
88         return "";
89     }
90 
91     /**
92      * Returns a string representation of this tree in level-
  order traversal
93      * @return a string representation of this tree in level-
  order traversal
94      */
95     public String toString() {
96         return "";
97     }
98 }
99 
```