1. Import the java project BinaryTrees to your IDE(Eclipse) and create a new class called TreeTraversal.java
2. Create the binary tree tree2 (tree1 already exists in the template).

3. Write a function called checkSkipped that takes a tree as an argument traverses it in an Inorder traversal and prints out the traversed nodes. The function should return true if there is a skipped alpha character in the sequence and false if the tree contains a perfect sequence of alphabets.

For example:

**Input:** tree2

**Output:** False

**Explanation:** The inorder traversal is ABCDEFGHI and there is no skipped character

**Input:** tree1

**Output:** True

**Explanation:** The inorder traversal is BDEFGHXY and there are many skipped characters. Between B and D there is no C and there are many missing characters between H and X.
public class TreeTraversal {

    public static void main(String[] args) {
        // Create a tree called tree1
        BinaryTree<Character> tree1 = new BinaryTree("H");

        BinaryTree<Character> rightsubtree1 = new BinaryTree("X");
        rightsubtree1.attachRight('Y');

        BinaryTree<Character> leftsubtree1 = new BinaryTree("D");
        leftsubtree1.attachLeft('B');

        BinaryTree<Character> leftsubtree2 = new BinaryTree("F");
        leftsubtree2.attachRight('G');
        leftsubtree2.attachLeft('E');

        leftsubtree1.attachRightSubtree(leftsubtree2);
        tree1.attachLeftSubtree(leftsubtree1);
        tree1.attachRightSubtree(rightsubtree1);

        BinaryTree<Character> tree2 = new BinaryTree("F");

        // // BUILD tree2 HERE
        // //

        System.out.println(checkSkipped(tree1)); // Should return true
        System.out.println(checkSkipped(tree2)); // Should return false
    }

    public static boolean checkSkipped(BinaryTree<Character> tree) {
        /* // To Iterate a tree using Inorder Traversal
           TreeIterator<Character> iter = new TreeIterator<Character>(tree);
           iter.setInorder();
           while (iter.hasNext()){
               System.out.print(iter.next());
           }
        */

        // INSERT CODE HERE
        return false;
    }
}