

```

import com.google.gson.Gson;

import java.io.FileReader;
import java.io.IOException;
import java.io.Reader;
import java.util.ArrayList;
import java.util.List;
import java.util.Map;

public class Main {

    public static void main(String[] args) {
        ScapegoatTree<String, Object> sgt3 = new ScapegoatTree<>();
        Gson gson = new Gson();
        try (Reader reader = new
FileReader("C://Users/Documents/ADAA/WildKrattsDB.json"))
        {
            Map<?, ?> map = gson.fromJson(reader, Map.class);
            for (Map.Entry<?, ?> entry : map.entrySet()) {
                sgt3.insert(entry.getKey().toString(), entry.getValue());
            }
        } catch (IOException e) {
            e.printStackTrace();
        }
        System.out.println( Sgt3);
        System.out.println("Successor of S01: " + sgt3.successor("S01"));
        System.out.println("Predecessor of S012: " + sgt2.predecessor("S012"));
        ScapegoatTree<Integer, Integer> sgt3 = new ScapegoatTree<>();
        int[] nodes = new int[]{12,9,7,11,10,13,14,16,17,18};
        for (int key: nodes) {
            sgt3.insertWithoutRebalancing(key, key);
        }
        System.out.println("Inorder: ");
        sgt.inOrder();
        System.out.println("\nPreorder: ");
        sgt.preOrder();
        System.out.println("\nPostorder: ");
        sgt.postOrder();
        System.out.println();
        System.out.println(sgt.toString());
    }
}

```