```java
package problem5;

import java.util.*;
import java.io.*;

class Index {
    Map<String, TreeSet<Integer>> posn;

    public Index() {
        posn = new TreeMap<>();
    }

    public void indexing() throws IOException {
        // Accept name of file
        File f;
        boolean flag;
        do {
            flag = true;
            System.out.println("Enter name of file to read");
            Scanner sc = new Scanner(System.in);
            String book = sc.nextLine();

            f = new File(book);
            if (!f.isFile()) {
                System.out.println("Invalid file");
                flag = false;
            }
        } while (!flag);

        String wordList[];
        int i = 1;
        // Read from file
        Scanner scf = new Scanner(f);
        while (scf.hasNextLine()) {
            String line = scf.nextLine();
            line = line.replace(".", "");
            line = line.replace(",", "");
            line = line.replace(";", "");
            wordList = line.split(" ");

            // Insert into HashMap
            for (String w : wordList) {

                if (!posn.containsKey(w.toLowerCase())) {
                    // Insert the key
                    Integer lineNo = new Integer(i);
                    TreeSet<Integer> lno = new TreeSet<>();
                    lno.add(lineNo);
                    posn.put(w.toLowerCase(), lno);

                } else {
                    Integer lineNo1 = new Integer(i);
                    TreeSet<Integer> lno1 = posn.get(w.toLowerCase());
                    lno1.add(lineNo1);
                    posn.put(w.toLowerCase(), lno1);

                }

            }
            i++;
        }
    }
```

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63
64     // Function to display
65     public void display() {
66         for (Map.Entry m : posn.entrySet()) {
67             System.out.println(m.getKey() + ": " + m.getValue());
68         }
69     }
70 }
```