```
package invertedfile;
import java.io.BufferedReader;
import java.io.FileNotFoundException;
import java.io.FileReader;
import java.io.IOException;
import java.io.InputStreamReader;
import java.util.ArrayList;
import java.util.StringTokenizer;

public class invertedindex {
   public static void displayIndex(ArrayList<String> invertedData, int[][] docno) {
      for (int i = 0; i < invertedData.size(); i++) {
         System.out.print(invertedData.get(i) + "\t");
         for (int j = 1; j <= docno[i][0]; j++) {
            System.out.print(docno[i][j] + "\t");
         }
         System.out.print("\n");
      }
   }

   public static void indexing(String fname, ArrayList<String> invertedData, int[][] docno, int fileno) {
      BufferedReader br;
      try {
         br = new BufferedReader(new FileReader(fname));
         String data = "", line = br.readLine();
         while (line != null) {
            data += line + " ";
            line = br.readLine();
         }
         String[] st = data.split("[ ,.]");
         String currenttoken = null;
```

```
        int i = 0;
        while (i < st.length) {
            currenttoken = st[i];
            int indx = invertedData.indexOf(currenttoken);
            if (indx == -1) {
                invertedData.add(currenttoken);
                indx = invertedData.indexOf(currenttoken);
                docno[indx][0] = 1;
                docno[indx][1] = fileno;
            } else {
                docno[indx][docno[indx][0] + 1] = fileno;
                docno[indx][0] += 1;
            }
            i += 1;
        }
    } catch (Exception e) {
        e.printStackTrace();
    }
}

public static void main(String[] args) throws NumberFormatException, IOException {
    String fname = "";
    ArrayList<String> invertedData = new ArrayList<>();
    int docno[][] = new int[100][10];
    InputStreamReader ins = new InputStreamReader(System.in);
    BufferedReader br = new BufferedReader(ins);
    System.out.println("\nENTER TOTAL NO OF FILES:");
    int no = Integer.parseInt(br.readLine());
    int i = 1;
    while (i - 1 != no) {
        System.out.println("\nENTER FILE " + i + " NAME:");
```

```
            fname = br.readLine();
            indexing(fname, invertedData, docno, i);
            i += 1;
        }
        displayIndex(invertedData, docno);
    }
}
```

```
"C:\Program Files\Java\jdk-16.0.2\bin\java.exe" "-javaagent:C:\Users\HP\Desktop\IntelliJ IDEA

ENTER TOTAL NO OF FILES:
2

ENTER FILE 1 NAME:
C:\Users\HP\IdeaProjects\practical\src\invertedfile\textt1.txt

ENTER FILE 2 NAME:
C:\Users\HP\IdeaProjects\practical\src\invertedfile\textt2.txt
wait    1
you 1
have    1
been    1
succesfully 1
informed    1
this    2
is  2
underground 2
reporting   2
from    2
man 2
```