\* Implement a program for retrieval of documents using inverted files

**Input to the Program of Inverted Files :**

**File 1 Contents :**  are you anil kumar

**File 2 Contents :**hello where are you.

**Source Code** for Inverted Files in Java Language :

package com.prac.prac;   
 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 invertedfile   
 {   
 public static void displayIndex(ArrayList invertedData,int[][] docno){   
 int i,j;   
 for(i=0;i  
 System.out.print(invertedData.get(i)+"\t");   
 for(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 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  
 {   
 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) {   
 // TODO Auto-generated catch block   
 e.printStackTrace();   
 }   
 }   
 public static void main(String[] args) throws NumberFormatException, IOException {   
 String fname="";   
 ArrayList 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);   
 }   
 }

Output for the Inverted Files Program:  
  
  
ENTER TOTAL NO OF FILES:  
2  
  
ENTER FILE 1 NAME:  
c:\anil1.txt  
  
ENTER FILE 2 NAME:  
c:\anil2.txt  
  
  
hello 1  
where 1  
are 1 2  
you 1 2  
anil 2  
kumar 2