```java
1 import java.util.*;
2 import java.io.*;
3
4 public class ejer122b {
5
6     public static void main(String[] args) {
7
8         //Crear fichero de salida
9         File file_entrada1 = new File("ejer122_entrada2.txt");
10        File file_salida1= new File("ejer122_salida2.txt");
11        int numfilas=0;
12        try {
13            file_salida1.createNewFile();
14        }catch(IOException e) {
15            System.out.println(e.getMessage());
16        }
17
18        //
19        try {
20            Scanner sc1 = new Scanner(file_entrada1);
21            FileWriter file = new FileWriter(file_salida1);
22            numfilas = sc1.nextInt();
23            file.write(Integer.toString(numfilas)+"\n");
24            sc1.nextLine(); //Leo el /0
25            file.write(sc1.nextLine()+"\n");
26            Ordenar_fichero(sc1,file,numfilas);
27            file.close();
28        }
29        catch (IOException e) {
30            System.out.println(e.getMessage());
31        }
32    }
33
34    public static void Ordenar_fichero(Scanner sc1, FileWriter file, int numfilas) {
35        String filas[] = new String[numfilas];
36        int i=0;
37        while (sc1.hasNextLine()) {
38            filas[i] = sc1.nextLine();
39            i++;
40        }
41        Arrays.sort(filas);
42        for (i=0; i < filas.length; i++) {
43            try {
44                file.write(filas[i]+"\n");
45            }
46            catch (IOException e) {
47                System.out.println(e.getMessage());
48            }
49        }
50    }
51 }
52
```