Aufgaben 3

1.

```
import java.io.BufferedOutputStream;
import java.io.FileInputStream;
import java.io.FileOutputStream;
import java.io.IOException;
import java.util.Scanner;

public class Joining {
    public static void main(String[] args) throws IOException {
        Scanner sc=new Scanner(System.in);
        String datei=" ";
        byte daten[]=new byte[1024];
        try{
            BufferedOutputStream output=new BufferedOutputStream(new 
FileOutputStream("neu1.mp3"));
            while (!datei.isEmpty()){
                System.out.println("Dateiname: ");
                datei=sc.nextLine();//nextLine!!! wegen enter
                System.out.println(datei);
                if (!datei.isEmpty()){
                    FileInputStream input=new FileInputStream(datei);
                    int anz=input.read(daten);
                    while (anz>0){
                        output.write(daten);
                        anz=input.read(daten);
                        }
                    input.close();
                }
            }
            output.close();
        }catch(Exception e){
            e.printStackTrace();
        }
        sc.close();
    }
}
```

2.

```
import java.io.BufferedReader;
import java.io.FileNotFoundException;
import java.io.FileReader;
import java.io.FileWriter;
import java.io.IOException;

public class TextFileSplitter {
    private String trennzeichen;
    private String dateiname;

    public TextFileSplitter(String trennzeichen, String dateiname) {
        super();
        this.trennzeichen = trennzeichen;
        this.dateiname = dateiname;
    }


    public void split(){
        try {
            BufferedReader reader=new BufferedReader(new
FileReader(dateiname));
            String zeile="";
            int i=1;

            String neu=String.valueOf(i)+".txt";
            FileWriter writer=new FileWriter(neu);
            while (zeile!=null){
                zeile=reader.readLine();
                if(zeile!=null){
                    if (zeile.equals(trennzeichen)){
                        writer.close();
                        i++;
                        neu=String.valueOf(i)+".txt";
                        writer=new FileWriter(neu);
                    }
                    else{
                        System.out.println(zeile);
                        writer.write(zeile);
                        writer.write("\n");
                    }
                }
            }
            writer.close();
            reader.close();

        } catch (FileNotFoundException e) {
            e.printStackTrace();
        } catch (IOException e) {
            e.printStackTrace();
        }
    }


    public static void main(String[] args) {
        TextFileSplitter o=new TextFileSplitter("***","kurzgeschichte.txt");
        o.split();
    }

}
```

3

```
import java.io.FileNotFoundException;
import java.io.FileReader;
import java.util.Locale;
import java.util.Scanner;

public class Zerleger {
    public static void main(String[] args) {
        try {
            String name=null;
            double sum=0,mw;
            int n=0;
            Scanner st=new Scanner(new FileReader("messw.txt"));
            st.useLocale(Locale.US);
            while (st.hasNext()){
                if (st.hasNextDouble()){
                    sum+=st.nextDouble();n++;
                }
                else{
                    if (name!=null){
                    mw=sum/n;
                    System.out.println(name+" "+mw+"\n");
                    }
                    sum=0;n=0;
                    name=st.next();
                }
            }
            mw=sum/n;
            System.out.println(name+" "+mw+"\n");
            st.close();
        } catch (FileNotFoundException e) { e.printStackTrace();}
    }
}
```

4.

```
import java.io.FileNotFoundException;
import java.io.FileReader;
import java.util.ArrayList;
import java.util.Scanner;

public class Analyzer {
private ArrayList<String> unbekannt=new ArrayList<String>();
private ArrayList<String> bekannt=new ArrayList<String>();

public static void main(String[] args) {
    Analyzer a=new Analyzer();
    a.bekannteEinlesen("bekannt.txt");
    a.analysieren("lesetext.txt");
    for (int i=0;i<a.unbekannt.size();i++)
System.out.println(a.unbekannt.get(i));
}
public void bekannteEinlesen(String pfad){
    Scanner st;
    try {
        st = new Scanner(new FileReader(pfad));
        while (st.hasNext()){
            bekannt.add(st.next());
        }
        st.close();
    } catch (FileNotFoundException e) {
        e.printStackTrace();
    }
}

public void analysieren(String pfad){
    Scanner st;
    String wort;
    try {
        st = new Scanner(new FileReader(pfad));
        while (st.hasNext()){
            wort=st.next();
            if (!bekannt.contains(wort)&&!unbekannt.contains(wort))
                unbekannt.add(wort);
        }
        st.close();
    } catch (FileNotFoundException e) {
        e.printStackTrace();
    }
}
}
```