Assignment-7

1.Create a program that reads in a text file and counts the number of words in the file. The program should display the total number of words at the end.

https://codeshare.io/OdERAA

Output:

Total number of words in the file: 66

2.Create a program that reads in two text files and compares them to see if they are identical. The program should display a message indicating whether the files are identical or not.

https://codeshare.io/6pkEXg

Output:

The files are identical.

3.Create a program that reads in a text file and creates a new file that contains the same text, but with all the vowels removed.

https://codeshare.io/K8ERBX

Output:

File with vowels removed created successfully!

Output.txt

```
lpckg cm.tcntr.ssgnmnt/;
3mprt jv..Fl;
4mprt jv..FlNtFndxcptn;
5mprt jv.tl.Scnnr;
7pblc clss Qstn1 {
    pblc sttc vd mn(Strng[] rgs) {
9
        nt cnt = 0;
0
1
         try {
2
             Fl fl = nw Fl("npt.txt");
3
             Scnnr scnnr = nw Scnnr(fl);
4
5
             whl (scnnr.hsNxt()) {
6
                 Strng wrd = scnnr.nxt();
7
                 cnt++;
8
             }
9
0
             scnnr.cls();
         } ctch (FlNtFndxcptn ) {
1
```

4.Create a program that reads in a CSV file containing student grades, and calculates the average grade for each student. The program should then write the results to a new CSV file.

https://codeshare.io/dwQn4y

```
package com.tecnotree.Assignment7;
 3 import java.io.File;
4 import java.io.FileNotFoundException;
5 import java.io.PrintWriter;
 6 import java.util.Scanner;
   public class Question4 {
90
      public static void main(String[] args) {
10
                File inputFile = new File("input.csv");
                Scanner scanner = new Scanner(inputFile);
                File outputFile = new File("output.csv");
               PrintWriter writer = new PrintWriter(outputFile);
                while (scanner.hasNext()) {
                    String line = scanner.nextLine();
                   String[] values = line.split(",");
                    int totalGrade = 0;
                    for (int i = 1; i < values.length; i++) {</pre>
                        totalGrade += Integer.parseInt(values[i]);
                   double averageGrade = (double) totalGrade / (values.length - 1);
                   writer.println(values[0] + "," + String.format("%.2f", averageGrade));
                scanner.close();
               writer.close();
               System.out.println("File with average grades created successfully!");
          } catch (FileNotFoundException e) {
              System.out.println("File not found!");
                System.exit(1);
        }
```

Output:

File not found!

5.Create a program that reads in a binary file containing image data, and displays the image on the screen.

https://codeshare.io/JbMRAn

Output:

rtenninateu> Questiono (o) (dava Application) c./rtogram riies/dava/juk-19/biin/k

Usage: java DisplayImage <filename>