Assignment-07

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.

Code https://codeshare.io/bvOqjA

```
- Біспонагу дата 🔑 пітедеї Бецата — фасасідата — ттога сочініцата
  1 package assignmnet07;
 30 import java.io.BufferedReader;
 4 import java.io.FileReader;
  5 import java.io.IOException;
  7 public class wordcount {
 9⊝
        public static void main(String[] args) {
             String fileName = "input.txt";
 11
             int wordCount = 0;
 13
             try (BufferedReader br = new BufferedReader(new FileReader(fileName))) {
 14
                 String line;
 15
                 while ((line = br.readLine()) != null) {
 16
                     String[] words = line.split("\\s+");
 17
                      wordCount += words.length;
 19
             } catch (IOException e) {
 20
                 e.printStackTrace();
 22
             System.out.println("Total number of words: " + wordCount);
 24
 25 }
 26
Problems @ Javadoc ☐ Declaration ☐ Console ×
queue [Java Application] C:\Program Files\Java\jdk-19\bin\javaw.exe (28-Feb-2023, 11:26:32 pm) [pid: 18824]
1. Add an element to queue
2. Remove an element from queue
3. Display the queue
4. Exit
Enter your choice:
                                 Writable
                                                                       22:9:631
                                                    Smart Insert
```

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.

Code https://codeshare.io/dwQWNM

```
1 assignmnet07;
  3⊖ava.io.BufferedReader;
  4 ava.io.FileReader;
  5 ava.io.IOException;
  7 lass filecomp{
  90 ic static void main(String[] args) {
 10 String fileName1 = "C:\\Users\\ramessa\\OneDrive - Tecnotree\\Desktop\\file1.txt";
11 String fileName2 = "C:\\Users\\ramessa\\OneDrive - Tecnotree\\Desktop\\file2.txt";
 13 try (BufferedReader br1 = new BufferedReader(new FileReader(fileName1));
         BufferedReader br2 = new BufferedReader(new FileReader(fileName2))) {
15
        String line1, line2;
        while ((line1 = br1.readLine()) != null && (line2 = br2.readLine()) != null) {
 17
            if (!line1.equals(line2)) {
 18
                 System.out.println("Files are not identical");
19
                 return;
            }
 21
 22
        if (br1.readLine() == null && br2.readLine() == null) {
23
            System.out.println("Files are identical");
 24
        } else {
 25
            System.out.println("Files are not identical");
 26
🖺 Problems @ Javadoc 🚇 Declaration 📮 Console 🗵
<terminated> filecomp [Java Application] C:\Program Files\Java\jdk-19\bin\javaw.exe (28-Feb-2023, 11:48:37 pm – 11:48:39 pm) [j
Files are not identical
                                Writable
                                                   Smart Insert
                                                                     11:80:359
```

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.

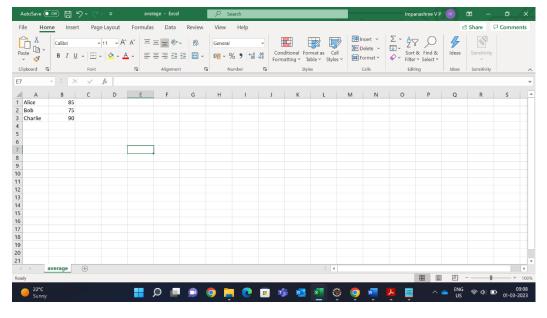
Code https://codeshare.io/zyAo4D

```
1 package assignmnet07;
 3 import java.io.BufferedReader;
 4 import java.io.BufferedWriter;
 5 import java.io.FileReader;
  6 import java.io.FileWriter;
  7 import java.io.IOException;
 9 public class vowremove{
10
        public static void main(String[] args) {
11⊝
12
            String inputFileName = "C:\\Users\\ramessa\\OneDrive - Tecnotree\\Desktop\
13
            String outputFileName = "C:\\Users\\ramessa\\OneDrive - Tecnotree\\Desktop
14
            try (BufferedReader br = new BufferedReader(new FileReader(inputFileName))
15
16
                 BufferedWriter bw = new BufferedWriter(new FileWriter(outputFileName)
 17
                String line;
 18
                while ((line = br.readLine()) != null) {
19
                     String newLine = removeVowels(line);
20
                     bw.write(newLine);
 21
                    bw.newLine();
23
            } catch (IOException e) {
24
                e.printStackTrace();
25
26
🖺 Problems @ Javadoc 🚨 Declaration 📮 Console 🗵
<terminated> vowremove [Java Application] C:\Program Files\Java\jdk-19\bin\javaw.exe (28-Feb-2023, 11:55:03 pm – 11:55:06 pm)
     file2 - Notepad
File
        Edit
                View
scryvtnhjmkxdrcftvgbhnjmkl,dcfvgybhnjmkl,
```

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.

Code https://codeshare.io/N3pQbd

```
1 package assignmnet07;
  2 import java.io.BufferedReader;
  3 import java.io.FileReader;
  4 import java.io.FileWriter;
 5 import java.io.IOException;
 7 public class csv {
       public static void main(String[] args) {
           // Set the input and output file paths
String inputFile = "input.csv";
           String outputFile = "output.csv";
           FileWriter writer = new FileWriter(outputFile);
                // Create a new BufferedReader object for the input file
18
               BufferedReader reader = new BufferedReader(new FileReader(inputFile));
               // Read the first line of the input file, which contains the column he
21
22
               String line = reader.readLine();
               // Write the column headers to the output file
               writer.write(line + ", Average\n");
               // Read the remaining lines of the input file and calculate the average
Problems @ Javadoc □ Declaration □ Console ×
```



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

Code https://codeshare.io/zyAoob

```
1 package assignmnet07;
 2⊖ import java.awt.*;
 3 import java.awt.image.BufferedImage;
 4 import java.io.*;
 6 import javax.imageio.ImageIO;
 7 import javax.swing.*;
 9 public class binary {
       public static void main(String[] args) {
           // Set the input file path
 11
            String inputFile = "C:\\Users\\ramessa\\OneDrive - Tecnotree\\Desktop\\file
 13
 15
                // Create a new FileInputStream object for the input file
                FileInputStream inputStream = new FileInputStream(inputFile);
 17
 18
                // Read the image data from the input file into a byte array
 19
                byte[] imageData = inputStream.readAllBytes();
 21
                // Create a new BufferedImage object from the image data
                BufferedImage image = ImageIO.read(new ByteArrayInputStream(imageData)
 23
 24
                // Create a new JFrame object to display the image
 25
                JFrame frame = new JFrame("Image");
                frame gotDefaultClegeOneration (TErame EVTT ON CTOCE).
🔡 Problems @ Javadoc 🚇 Declaration 📮 Console 🗵
```