Java Assignment – 7

File handling in Java

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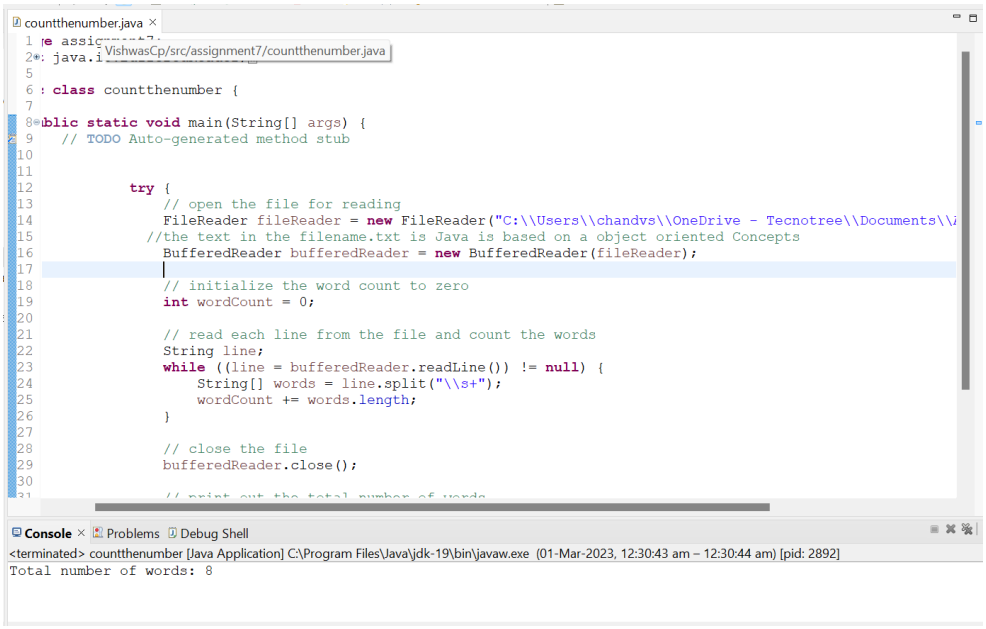
1. **Create a program that reads in a text file and counts the number of words in the file. The program should display the total number of words at the end.**

   https://codeshare.io/lonxmj



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/8plkr4

countthenumber.java | readandcreate.java | readtwofiles.java ×

```
1  package assignment7;
2  import java.io.BufferedReader;
5
6  public class readtwofiles {
7
8      public static void main(String[] args) {
9          // TODO Auto-generated method stub
10
11                 //In file1 and file2 the Content is sanjana
12                 String file1 = "C:\\Users\\chandvs\\OneDrive - Tecnotree\\Documents\\Assignment\\file1.txt";
13                 String file2 = "C:\\Users\\chandvs\\OneDrive - Tecnotree\\Documents\\Assignment\\file2.txt";
14                 boolean identical = true;
15
16                 try (BufferedReader reader1 = new BufferedReader(new FileReader(file1));
17                      BufferedReader reader2 = new BufferedReader(new FileReader(file2))) {
18                     String line1 = reader1.readLine();
19                     String line2 = reader2.readLine();
20
21                     while (line1 != null && line2 != null) {
22                         if (!line1.equals(line2)) {
23                             identical = false;
24                             break;
25                         }
26                         line1 = reader1.readLine();
27                         line2 = reader2.readLine();
28                     }
29
30                     if (identical && line1 == null && line2 == null) {
```

Console × | Problems | Debug Shell

```
<terminated> readtwofiles [Java Application] C:\Program Files\Java\jdk-19\bin\javaw.exe  (01-Mar-2023, 12:35:59 am – 12:36:00 am) [pid: 11644]
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/mpbXeo

countthenumber.java | readandcreate.java ×

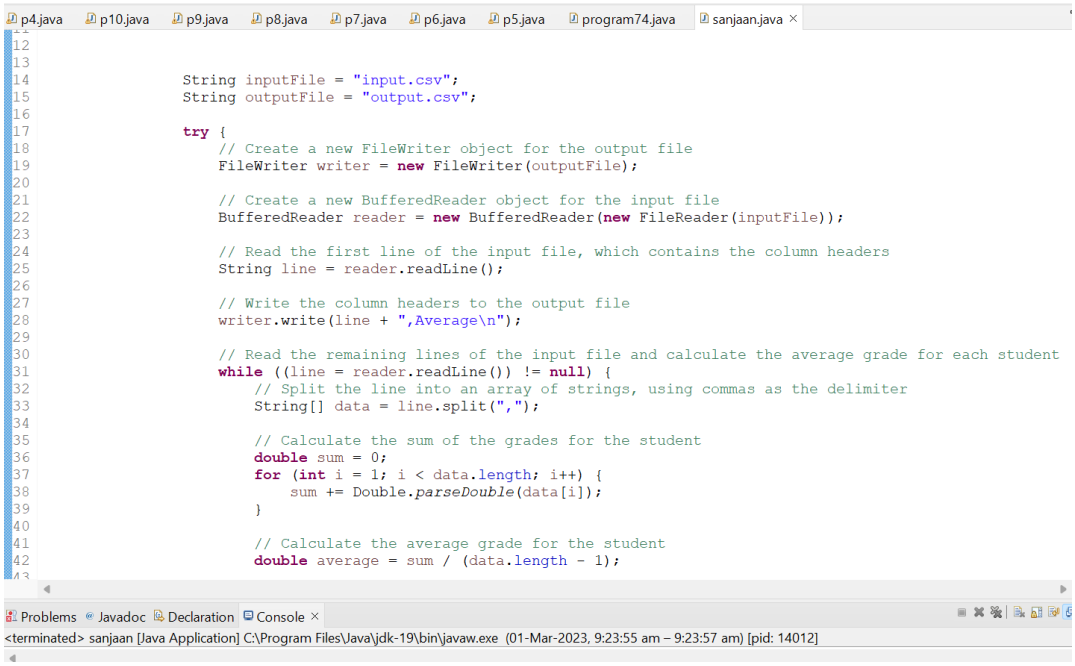
```
1  package assignment7;
2  import java.io.BufferedReader;
7
8  public class readandcreate {
9
10     public static void main(String[] args) {
11         // TODO Auto-generated method stub
12
13 //In the input file content is Lakshimi and Sahana are my best friends
14                 String inputFile = "C:\\Users\\chandvs\\OneDrive - Tecnotree\\Documents\\Assignment\\input.t
15                 String outputFile = "C:\\Users\\chandvs\\OneDrive - Tecnotree\\Documents\\Assignment\\output
16 //After removing vowels in output file content is Lkshm nd Shn r my bst frnds
17
18                 try (BufferedReader reader = new BufferedReader(new FileReader(inputFile));
19                      BufferedWriter writer = new BufferedWriter(new FileWriter(outputFile))) {
20                     String line = reader.readLine();
21
22                     while (line != null) {
23                         String newLine = line.replaceAll("[aeiouAEIOU]", "");
24                         writer.write(newLine);
25                         writer.newLine();
26                         line = reader.readLine();
27                     }
28
29                     System.out.println("Vowels removed from " + inputFile + " and saved to " + outputFile);
30                 } catch (IOException e) {
31                     System.out.println("Error reading or writing files: " + e.getMessage());
32                 }
```

Console × | Problems | Debug Shell

```
<terminated> readandcreate [Java Application] C:\Program Files\Java\jdk-19\bin\javaw.exe  (01-Mar-2023, 12:33:48 am – 12:33:48 am) [pid: 18128]
Vowels removed from C:\Users\chandvs\OneDrive - Tecnotree\Documents\Assignment\input.txt and saved to C:\Users\char
```

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/N3pQbd



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

https://codeshare.io/0gvMVN