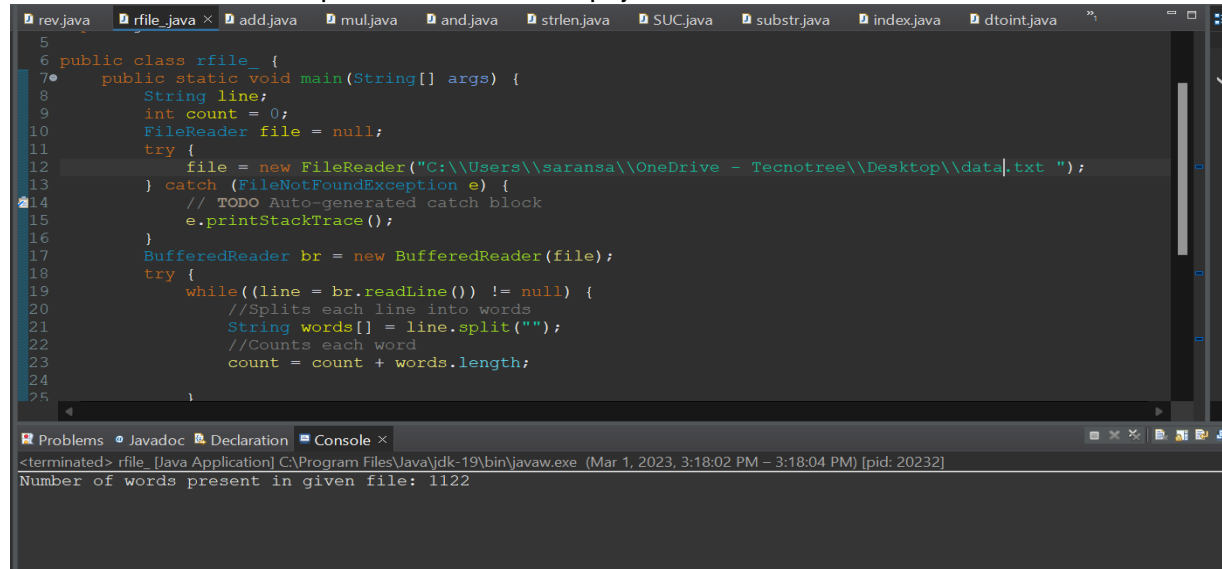


assignment -7

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.

CODESHARE LINK: <https://codeshare.io/N3pdjr>



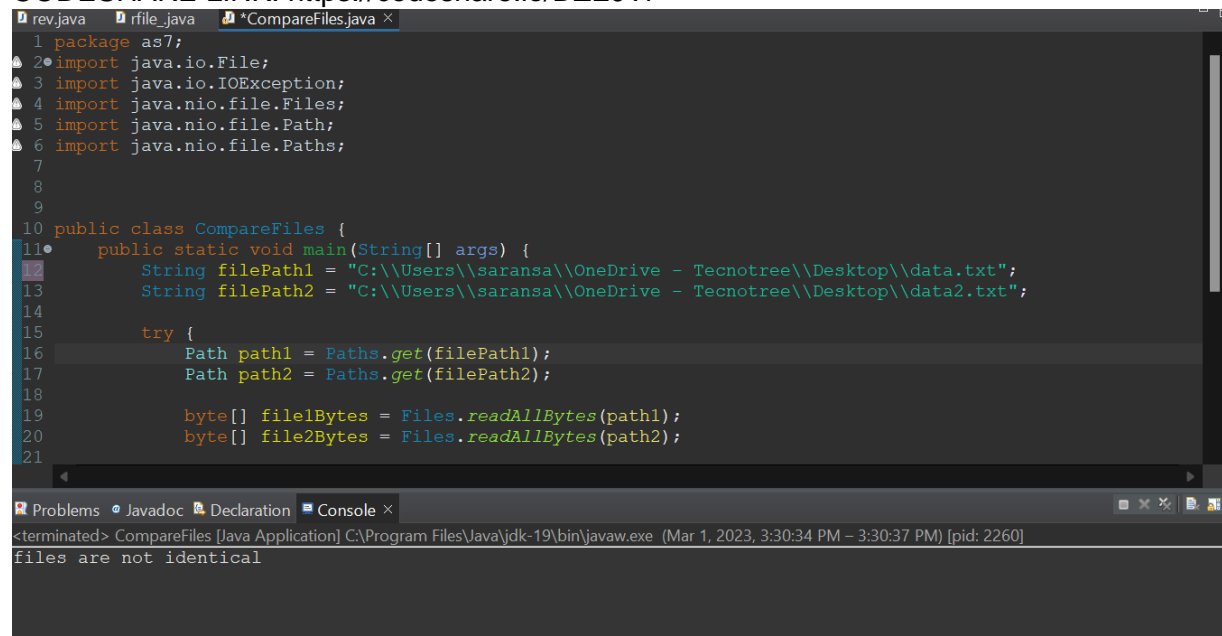
```
5
6 public class rfile_ {
7     public static void main(String[] args) {
8         String line;
9         int count = 0;
10        FileReader file = null;
11        try {
12            file = new FileReader("C:\\Users\\saransa\\OneDrive - Tecnotree\\Desktop\\data.txt ");
13        } catch (FileNotFoundException e) {
14            // TODO Auto-generated catch block
15            e.printStackTrace();
16        }
17        BufferedReader br = new BufferedReader(file);
18        try {
19            while((line = br.readLine()) != null) {
20                //Splits each line into words
21                String words[] = line.split(" ");
22                //Counts each word
23                count = count + words.length;
24            }
25        }
26    }
27 }
```

Problems Javadoc Declaration Console ×

<terminated> rfile_ [Java Application] C:\Program Files\Java\jdk-19\bin\javaw.exe (Mar 1, 2023, 3:18:02 PM – 3:18:04 PM) [pid: 20232]
Number of words present in given file: 1122

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.

CODESHARE LINK: <https://codeshare.io/DZEJVr>



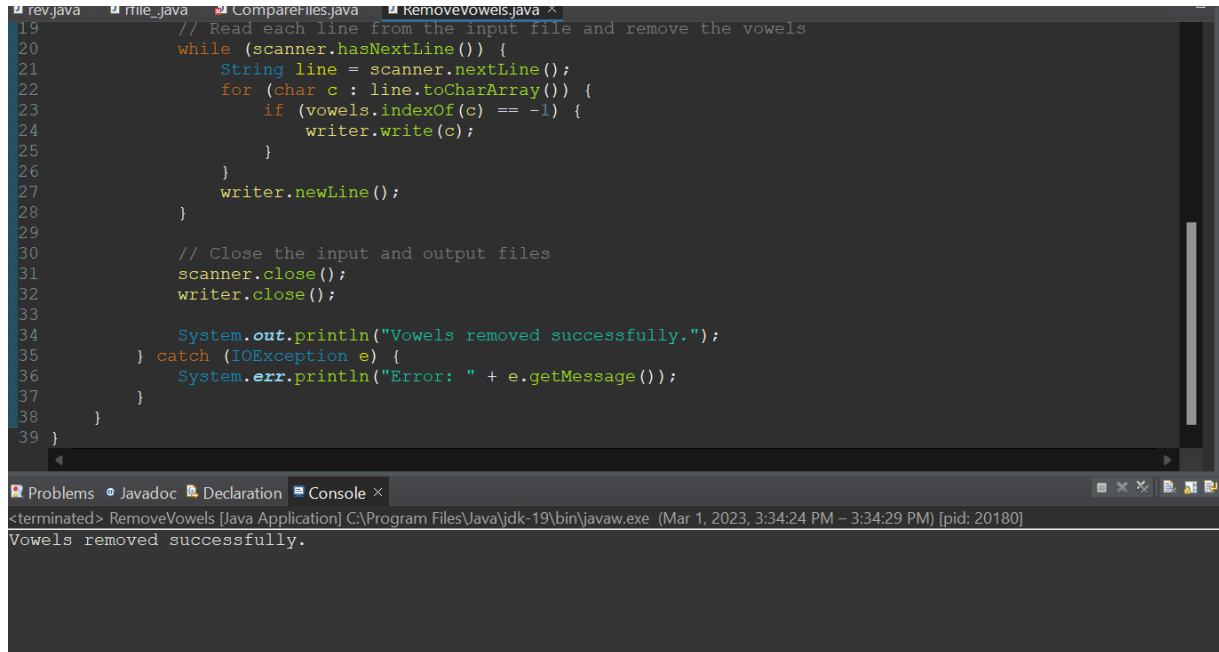
```
1 package as7;
2 import java.io.File;
3 import java.io.IOException;
4 import java.nio.file.Files;
5 import java.nio.file.Path;
6 import java.nio.file.Paths;
7
8
9
10 public class CompareFiles {
11     public static void main(String[] args) {
12         String filePath1 = "C:\\Users\\saransa\\OneDrive - Tecnotree\\Desktop\\data.txt";
13         String filePath2 = "C:\\Users\\saransa\\OneDrive - Tecnotree\\Desktop\\data2.txt";
14
15         try {
16             Path path1 = Paths.get(filePath1);
17             Path path2 = Paths.get(filePath2);
18
19             byte[] file1Bytes = Files.readAllBytes(path1);
20             byte[] file2Bytes = Files.readAllBytes(path2);
21
22         } catch (IOException e) {
23             e.printStackTrace();
24         }
25     }
26 }
```

Problems Javadoc Declaration Console ×

<terminated> CompareFiles [Java Application] C:\Program Files\Java\jdk-19\bin\javaw.exe (Mar 1, 2023, 3:30:34 PM – 3:30:37 PM) [pid: 2260]
files are not 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.

CODESHARE LINK: <https://codeshare.io/PdEnzP>

A screenshot of an IDE window showing a Java file named 'RemoveVowels.java'. The code reads a text file line by line, iterates through each character, and checks if it is a vowel using 'vowels.indexOf(c) == -1'. If it's not a vowel, it is written to a new file. The program also includes error handling for IOException and prints a success message. The console output shows 'Vowels removed successfully.'

```
19 // Read each line from the input file and remove the vowels
20 while (scanner.hasNextLine()) {
21     String line = scanner.nextLine();
22     for (char c : line.toCharArray()) {
23         if (vowels.indexOf(c) == -1) {
24             writer.write(c);
25         }
26     }
27     writer.newLine();
28 }
29
30 // Close the input and output files
31 scanner.close();
32 writer.close();
33
34 System.out.println("Vowels removed successfully.");
35 } catch (IOException e) {
36     System.err.println("Error: " + e.getMessage());
37 }
38 }
39 }
```

Problems Javadoc Declaration Console ×

<terminated> RemoveVowels [Java Application] C:\Program Files\Java\jdk-19\bin\javaw.exe (Mar 1, 2023, 3:34:24 PM – 3:34:29 PM) [pid: 20180]

Vowels removed successfully.

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.

CODESHARE LINK: <https://codeshare.io/X8EXPz>

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

CODESHARE LINK: <https://codeshare.io/wnvbOj>