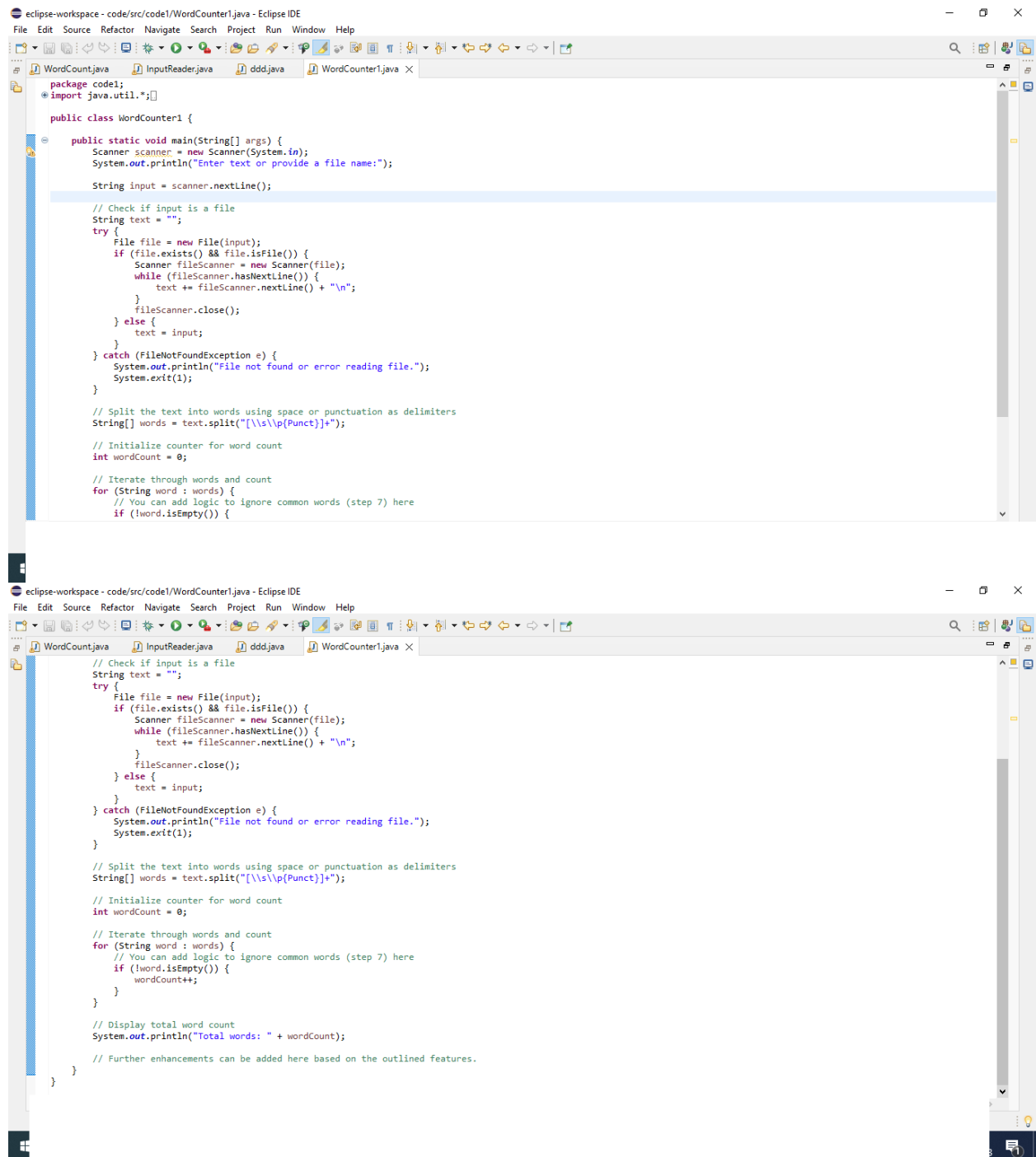


TASK-2

Word Count

Program:



```
package code1;
import java.util.*;

public class WordCounter1 {

    public static void main(String[] args) {
        Scanner scanner = new Scanner(System.in);
        System.out.println("Enter text or provide a file name:");

        String input = scanner.nextLine();

        // Check if input is a file
        String text = "";
        try {
            File file = new File(input);
            if (file.exists() && file.isFile()) {
                Scanner fileScanner = new Scanner(file);
                while (fileScanner.hasNextLine()) {
                    text += fileScanner.nextLine() + "\n";
                }
                fileScanner.close();
            } else {
                text = input;
            }
        } catch (FileNotFoundException e) {
            System.out.println("File not found or error reading file.");
            System.exit(1);
        }

        // Split the text into words using space or punctuation as delimiters
        String[] words = text.split("[\\s\\p(Punct)]+");

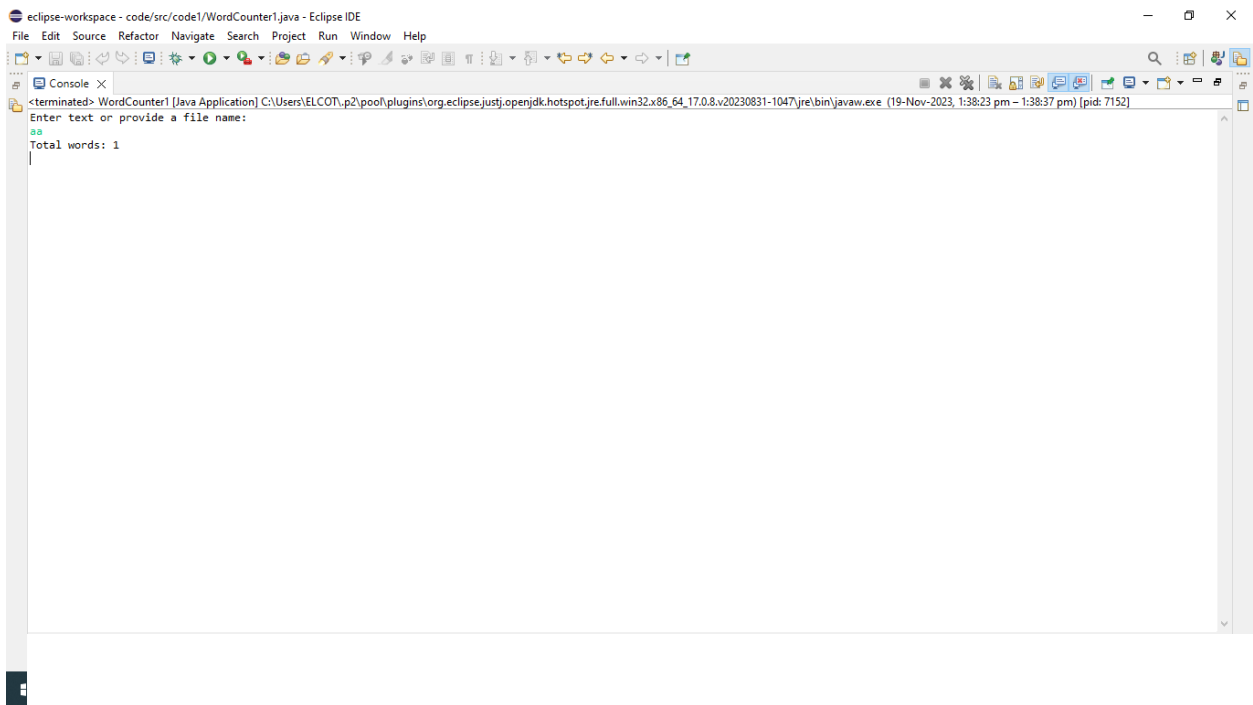
        // Initialize counter for word count
        int wordCount = 0;

        // Iterate through words and count
        for (String word : words) {
            // You can add logic to ignore common words (step 7) here
            if (!word.isEmpty()) {
                wordCount++;
            }
        }

        // Display total word count
        System.out.println("Total words: " + wordCount);

        // Further enhancements can be added here based on the outlined features.
    }
}
```

Output:



The screenshot shows the Eclipse IDE interface. The title bar reads "eclipse-workspace - code/src/code1/WordCounter1.java - Eclipse IDE". The menu bar includes File, Edit, Source, Refactor, Navigate, Search, Project, Run, Window, and Help. The toolbar contains various icons for file operations, running, and debugging. The console window, titled "Console", shows the following output:

```
<terminated> WordCounter1 [Java Application] C:\Users\ELCOTL_p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_17.0.8.v20230831-1047\jre\bin\javaw.exe (19-Nov-2023, 1:38:23 pm - 1:38:37 pm) [pid: 7152]  
Enter text or provide a file name:  
aa  
Total words: 1
```

The console output indicates that the application "WordCounter1" has terminated. It shows the full path to the Java runtime executable and the execution time. The application prompts the user to "Enter text or provide a file name:", and the input "aa" is received. The final output is "Total words: 1".