

Reflection Log:

In this project, I used a Java program to replace some words in a file. It reads from a file, looks for some target word or phrase, and replaces it with another word or phrase.

What I learned:

I learned how to operate with file I/O in Java using `bufferedReader` and `bufferedwriter`. These classes allow the reading and writing of large files efficiently. I also learned how to manipulate strings in Java, especially using the method `replaceAll()` to replace the occurrences of a word in a string. Another skill I put to good use was handling user input through the `Scanner` class. Error handling in file operations really helped me understand how to check if a file exists and handle `IOException`.

Challenges:

The main problem was to accurately read the content of a file, modify it, and save it back. I had to guarantee that the reading and writing of files had been appropriately performed without losing data.

Improvements:

In order to enhance this program, I can also include the option for case-insensitive replacement or support for regular expressions. I might also want the program to handle backup files in case the user wants to revert changes.

This project helped a lot in working with files and string manipulation in Java.