File I/O Part 2 Solutions

FindAndReplace

Write a program that can be used to replace all occurrences of one word with another word.

The program should prompt the user for the following values:

- The search word
- The word to replace the search word with
- The source file *This must be an existing file. If the user enters an invalid source file, the program will indicate this and exit.*
- The destination file. *The program will create a copy of the source file with the requested replacements at this location. If the file already exists, it should be overwritten. If the user enters an invalid destination file, the program will indicate this and exit.*

FizzWriter

Create a program to write out the result of FizzBuzz (1 to 300) to a file.

Note, this version of FizzBuzz has additional requirements

- If the number is divisible by 3, or contains a 3, print “Fizz”
- If the number is divisible by 5, or contains a 5, print “Buzz”
- If the number is divisible by 3 and 5, print “FizzBuzz”
- Otherwise print the number.

The program should prompt the user for the following values:

- The destination file. *If the file already exists, it should be overwritten. If the user enters an invalid destination file, the program will indicate this and exit.*

File Splitter (Challenge)

Develop an application that takes a significantly large input file and splits it into smaller file chunks.

The program should prompt the user for the following values:

- The source file *This must be an existing file. If the user enters an invalid source file, the program will indicate this and exit.*
- The maximum number of lines in each output file.

Each output file that is created should have a sequential number assigned to it. For example, given fizzbuzz.txt as the source filename, the output filenames should be fizzbuzz-1.txt, fizzbuzz-2.txt, ...

These types of files use to be used quite common back in the earlier days of computing when disks such as floppies were much smaller and couldn't hold a larger program on their own.