

File I/O Part 2 Exercises

FizzWriter

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

- 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 application is launched like so:

```
java com.techelevator.FizzBuzz
```

File Splitter

Challenge

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

The program should accept 2 parameters

- The name of the text file to be split
- The maximum number of lines that should appear in each output file

Each output file that is created should have a sequential number assigned to it.

For instance, a 250 line text file named "input.txt", split every 100 lines, will produce 3 output files

- `input-1.txt` - 100 lines
- `input-2.txt` - 100 lines
- `input-3.txt` - 50 50 lines

Use a sequential naming format for each file produced to guarantee uniqueness. Note, the sequence number is simply appended to the name of the input text file.

These types of files use to be 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.

The application is launched like so:

```
java com.techelevator.FileSplitter input.txt 100
```