

File Practice Problems

- 1) Write a method reads in from two files and writes them, alternating lines, to an output file. The three file names should be passed into the method as `Strings`, and then method should NOT throw any exceptions (i.e. all exceptions from opening files should be handled within this method)

For example, if the first input file is:

```
This is the first input file.  
It contains three lines.  
This is the last line.
```

and if the second input file is:

```
This is the second input.  
It only contains two lines.
```

Then this method should create the following file as output:

```
This is the first input file.  
This is the second input.  
It contains three lines.  
It only contains two lines.  
This is the last line.
```

- 2) Write a method which reads in a file, and writes the first 5 lines of this input file to a different output file. The input and output file names should be passed into the method as `Strings`. If there are less than 5 lines in the input file, this method should write all of them to the output file. This method should NOT throw any exceptions.

For example if the input file is:

```
This is the input file.  
There  
is  
one  
word  
per  
line  
here.
```

Then the output file would be:

```
This is the input file.  
There  
is  
one  
word
```

File Practice Problems

If the input file is:

```
hello!
```

then the output file would be:

```
hello!
```

3. Write a method that reads in a file and writes each of the lines to a new output file, with the String "line i is:" before the line, where i is actually the line number of the input file. Both the input and output file names should be passed into the method as Strings. This method should NOT throw any exceptions.

For example, if the input file is:

```
Once upon a time,  
there was a frog  
who wanted to be a  
computer programmer.
```

Then the output file would be:

```
line 1 is: Once upon a time,  
line 2 is: there was a frog  
line 3 is: who wanted to be a  
line 4 is: computer programmer.
```

- 4) Write a method that reads in two files and writes only the lines that are the same in the two files to an output file. Note that you are only comparing the lines at the same position in the files. Both the input and output file names should be passed into the method as Strings. This method should NOT throw any exceptions.

For example, if the first input file is:

```
The first line is the same.  
Second line 1  
cow  
Fourth line  
The fifth line is also the same.
```

and the second input file is:

```
The first line is the same.  
Second line 2  
Third line  
cow  
The fifth line is also the same.
```

Then the output file would be:

```
The first line is the same.  
The fifth line is also the same.
```