

## Assignment #12

## Reading Files

Write definitions for each of the following Python functions, and for each function, include a clear and concise comment to describe its purpose.

Assume throughout that every line in every input file is terminated by a newline character.

To test these functions, create some example files, in the same directory as the Python program.

1. `PrintLongLines( filename, limit )`

Output, to the screen, each line in file 'filename' whose length exceeds the integer 'limit', preceded by its line number in the input file; do not count the terminating newline character when calculating line length.

2. `Stats( filenames )`

For each file in the list 'filenames', output, to the screen, the name of the file, along with the number of lines and the number of characters in that file. Finally, if there is more than one file in 'filenames', output the total number of lines and characters for all files.

(see the Linux command 'wc' by typing 'man wc' in a terminal window)

3. `EqualFiles( filename1, filename2 )`

Are the contents of files 'filename1' and 'filename2' identical? (return a Boolean value)

Program Submission:

Store the function definitions in a file named 'a12.py', and turn it in for grading by typing:

```
submit-cs1117 a12.py
```

Due Date: Fri Jan 15, 10:30am