You want to turn in a project for Professor Larkins class, but realized you separated your project into separate files and he had specifically requested that you TURN IN JUST ONE FILE. You would like to continue separating your header (.h) and implantation (.cpp) in separate files so you want to make a utility that can combine them into an amalgamated (combined) file.

Because the <filesystem> header is still not implemented on certain compilers, we will hard code each file path for this lab. You are given a set of header and implementation files and must create an amalgamated file from these that will compile.

Remember that you must remove header includes in each file.

To speed up the amalgamation process, you want to use threads to combine two files into one, concurrently, then join that pair with another until the final amalgamated file is created.

Possible STL templates to use:

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| STL Template | Use |
| Regex | Find and remove #include “…” |
| Threads | Concurrently combine files |
| Queue | A queue of files to amalgamate |
| FileHandler | Read and Write files |
| String | Hand file data |