[**Task 3 Threads, containers, input/output with files Skip to end of metadata**](http://testconfluence.training.local/pages/viewpage.action?pageId=14942316)

**As a** developer **I want** to have an application that counts blank lines, comment lines, and physical lines of source code written in C/C++. **so that** I can have some internal statistic of the project.

**Acceptance Criteria**

1. There are should be a way to specify project root folder
2. Only files with \*.h, \*.hpp, \*.c, \*.cpp extensions are processed from all subfolders
3. The output should contain the total number of processed files, count of blank lines, count of comment lines, count of lines with code and time of execution
4. The results should also be saved in file.

See:

[C++ Files and Streams](https://www.tutorialspoint.com/cplusplus/cpp_files_streams.htm)

[C++11 threads, locks and condition variables](https://www.codeproject.com/Articles/598695/Cplusplus-threads-locks-and-condition-variables)

[C++11 multithreading tutorial](https://solarianprogrammer.com/2011/12/16/cpp-11-thread-tutorial/) [STL containers overview](http://www.learncpp.com/cpp-tutorial/16-2-stl-containers-overview/)

