

Lab 4: File Reading

It's time for us to start reading from a file (if we haven't done so already).

Write a program that uses `iostream` / `fstream` to read in lines from a file. Have a look at the documentation for `ifstream` here:

<http://www.cplusplus.com/reference/fstream/ifstream/>

Ensure that you are validating that all open and read requests succeed as this will be penalised for in your assignment. In particular, have a look at the functions inherited from `ios` and `ios_base` for this purpose.

Next, you want to tokenize this data into words. Have a look at the `boost::tokenizer` documentation available here:

http://www.boost.org/doc/libs/1_53_0/libs/tokenizer/tokenizer.htm

Boost is a library that holds earlier versions of c++ features that often make their way into the c++ standard library. It's a great place to start to explore these features.