std::regex\_search causes a stack overflow when called with the function regex on a function longer than about 3 lines. My original concept to create tokens was to run regexes for each structure and output tokens, including unfinished tokens. However, this creates an issue in that when structures get too long, regex\_search recurses too many times and causes a stack overflow error. This means that I either have to restructure the Lexer to create tokens sequentially, create keywords with regexes and split the text, or use a lexer generator such as Flex <INSERT CITATION> to create a fast implementation for me.