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Bison and Flex ("Fast Lex") – C & C++ Programming

The goal of this project is to implement ideas using programming and practically to learn the full working functionality of the Bison and Flex tool for the project. We will learn and practice how to document or create hands-on technical documentation of the Bison and Flex tool to educate others. We will show a hands-on demo of the full working functionality of the Bison and Flex tool with a Basic Calculator. Where in this basic calculator, we will evaluate arithmetic expressions with the use of Flex for lexical analysis and Bison for parsing. Our project will include the implementation of lexer and parsing, error handling, and a user-friendly interface.