

10_A3

Updates in Lexer:

The lexer specs have been updated to count line numbers (this is required for printing error line numbers), and return the correct integer based on the token, as per the header table file generated by compiling the bison specs.

Bison Specs:

The bison specs we created defines the grammar for the nanoC language. It specifies rules for parsing various elements of the language, including expressions, statements, declarations, and function definitions.

The defined rules break down the language into its components and define the syntax for various expressions, statements, declarations, and more. For instance, it includes rules for primary expressions, conditional expressions, unary expressions, and more, indicating the semantics of the language. The actions embedded in the rules consist of printf statements. These are used for debugging and to illustrate the parsing process by displaying messages when certain rules are recognized during parsing.

Updates in Makefile:

The makefile has been updated and has the rules `make build`, `make clean` and `make test-all`, and are self-explanatory in their function.