CS 335 Milestone 2

April 1, 2024

Tools Used in the Project

- **Flex** for constructing the lexer.

- **Bison** for developing the parser.

- **Git** for version control and collaborative work.

- **Bash** for writing and running scripts.

Compilation Instruction

- We used lexer.l file for lexer in flex

- The command we use is flex lexer.l to compile the lexer.

- We used parser.y file for parser in Bison

- The command we use is bison -d parser.y to compile the lexer.

- We used g++ -o ir lex.yy.c parser.tab.c -lfl to compile and combine both commands

- We used ./ir -input $1 -output out.txt to output out.txt file for symbol table and 3AC code.

- We used all this commands in run.sh file to execute the whole program.

- We used ./run.sh testinput.py to generate the symbol table and 3AC code for testinput.py input file.

Execution Details

- We should run the run.sh script file with input file path as argument.

- The generated symbol table will be stored in csv files and 3AC code will be stored in out.txt.