CS335: Milestone 3

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1 Dependencies

- Flex is used for our lexer, which is integrated with the parser. It returns tokens.

- Bison is used for implementing the parser. Grammar was re written to remove unwanted rules.

- Make is used for compilation.

- Helper scripts (bash) are used for better user experience.

2 Instructions for Compilation

- *cd milestone3*

- *./clean.sh && ./compile.sh*

  - *./run.sh -i < filepath > -o < output filepath (txt) > file input*
  - *./run.sh -h* for instructions to be displayed

- The command will produce a .txt file (threeac) and csv files(symbol tables) automatically if there are no lexical/syntax/semantic errors.

- The command will also produce a .s (x86 assembly) file.

- cd outputs

- gcc -c output.s -o output.o ; gcc output.o -o outs ;

- ./outs

3   Command Line options

- -i or –input

- -o or –output

- -h or –help