CS335: Milestone 1

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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.

- Graphviz is used to generate AST.

- Make is used for compilation.

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

2   Instructions for Compilation

- Please ensure all test files are in the tests folder.

- *cd milestone1*

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

  - *./run.sh* to run all files in tests folder.
  - *./run.sh -i < filename.py > -o < output.dot > for specific file input*
  - *./run.sh -h* for instructions to be displayed

- The command will produce a dot and a pdf file automatically if there are no syntax/lexical errors.

3   Command Line options

- -i or –input

- -o or –output

- -h or –help