CS335: Project

Milestone-1

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Tools and Utilities used

- 1. Utilities
 - \bullet FLEX: lexical Ananlysis
 - BISON: syntax Ananlysis
 - GRAPHVIZ: graphical analysis
 - MAKEFILE: compilation of multiple files
 - ARGPARSE: to implement command line arguments
- 2. Sources
 - Java Language Specification, ORACLE

How to run

1. Go to the directory milestone 1/src. Run the following command to remove previous generated files and compile the required ones:

```
make clean
```

final is the executable.

2. For the command line executions, write

```
./final -h
```

This will show you all the commands which can be given along with ./final

- -i: For getting the input file, as -i="FileName"
- -o: For obtaining the output file, as -o="FileName"

- -h: will show all the commands and there uses to the user
- \bullet -v: will show the version of the program
- --verbose: it will tell, what all has happened through the execution of final.
- 3. To run the program, use the following command, where Source File is **test.java** and the output dot file is **out.dot**

```
./final -i="test.java" -o="out.dot"
```

4. To print the graph, use following command, where the dot file is **out.dot** and the graph will be in **graph.ps**

```
dot -Tps -o graph.ps out.dot
```

Support Provided

- 1. All the basic ones mentioned, like class and objects, methods, variables, arrays, statements, data types, loops, modifiers etc.
- 2. Class Extends
- 3. String data type and its supports
- 4. Reference Type
- 5. Interfaces
- 6. Import statements