

Name: Yuting Liu

Campus ID: 9071703566

This directory includes files including as following:

- **P3.java** (unchanged)

The main program that calls the parser and then calls the unparsed for a successful parser.

- **CFlat.jlex** (unchanged)

A JLex specification for the YES language.

- **CFlat.grammar** (unchanged)

A CFG for the YES language. Use this to guide the enhancements to make Flat.Cup

- **ErrMsg.java** (same as the file given in P2)

This class is used to generate warning and fatal error messages.

- **CFlat.cup**

A Java CUP specification for the grammar defined in YES language.

- **ast.java**

Contains class definitions for the AST structure that the parser will build.

Un-parsing code is also added so as to make correct parsing and indent for the output file.

- **test.cf**

Thoroughly test every grammar rule for the current version of the parser.

- **output.out**

Provide the correct output file after running P3 with test.cf. Compare output.out with this test.out to decide whether the un-parsing method is right.

- **Makefile**

A makefile for program 3

run “\$ make” to make a parser for the YES language.

run “\$ make test” to test the parser and the unparsed methods added in ast.java. The test.out file is compared with our given output the correct output file should be.

run “\$ make clean” to clean all corresponding files created.