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CS536 - Fall 2018
Project 6

1. For this assignment, I write a code generator that generates MIPS assembly code (suitable as input to the Spim interpreter) for cdull programs represented as abstract-syntax trees. This folder includes the followings: (under the folder named <files>)

- ast.java
- cdull.cup
- cdull.jlex
- Codegen.java
- DuplicateSymException.java
- EmptySymTableException.java
- WrongArgumentException.java
- ErrMsg.java
- Sym.java
- SymTable.java
- Type.java
- Makefile
- P6.java

2. To invoke, simply navigate to the directory and type make (\$make) to run the program. There is no need for any other user input.

- run: \$make
- test: \$make test
- clean: \$make clean, \$make cleantest

3. The input file “test.cdull” contains a cdull program with no errors and the generated MIPS assembly code is exported into “test.s”. In order to test the assembly code, simply navigate to the directory and type:

~cs536-1/public/tools/bin/spim -file test.s

4. The project instruction can be found here:

<http://pages.cs.wisc.edu/~aws/courses/cs536-f18/asn/p6/p6.html>