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Program: P4
Files:
1. P4.java
2. cminusminus.jlex
3. cminusmiunus.grammar
4. cminusminus.cup
5. ErrMsg.java
6. Makefile
7. ast.java
8. test.cminusminus
9. deps/
10. SymTable.java
11. TSym.java
12. DuplicateSymException.java
13. EmptySymTableException.java
14. nameErrors.cminuscminus

Description:
This program is a name analyzer for C—programs that is represented as abstract-syntax trees. The nameErrors.cminuscminus file contains each error case with corresponding error message comment beside. The test is correct if the error messages in console match the error messages in the comment section. Every node in the AST contains method 'nameanalysis' and some nodes contain additional analysis methods such as varDeclNode and structDeclNode.

How to compile:
Type "Make" in command shell to compile the files. The deps file must exist for successful compile.
To run all the test, type "Make test". It will test the scanner ability to scan tokens correctly and handle exceptions.
Type "Make cleantest" to erase .in files that are created for the test and .out files.