

CS 536 Project #4

Contributors

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Program Details

We wrote a name analyzer for C-- programs represented as abstract-syntax trees. In order to redirect the output to `nameErrors.cminusminus`, we added a `println()` to `stdout` in `ErrMsg` class.

Run

First, go to the working directory.

```
$ cd $WORKING_DIR
```

Then, execute `make` to compile the program

```
$ make
```

Finally, execute the following command to test the input file

`"test.cminusminus"` and `"nameErrors.cminusminus"`

```
$ make test
```

The program reads both files and writes the unparsed result to `"test.out"` and `"nameErrors.out"`.

Test Cases

nameErrors.cminusminus contains code with errors detected by the name analyzer, including bad and multiply declared names for all of the different kinds of names in all of the different places that declarations can appear, and uses of undeclared names in all kinds of statements and expressions as well as bad struct accesses.

test.cminusminus contains code with no errors that exercises all of the name-analysis methods, including (good) declarations of all of the different kinds of names in all of the places that names can be declared, and (good) uses of names in all kinds of statements and expressions.