

Compiler project tasks — part 4, due Friday 19 October

The goal in this phase is to verify the abstract syntax tree.

Write a pretty-printer: code that will traverse the abstract syntax tree and print the corresponding program in the source language. The output program does not need to be an exact replica of the original source program. It will not have any comments, and its white space may be differently arranged. In fact, the white space should be arranged to produce an appealing and standardized layout.

Given input program `primes.m`, the output file should be named `primes.prettyprint`. Once you have produced `primes.prettyprint`, copy it to `test.m`, run the pretty-printer again to produce `test.prettyprint`, and then verify that `primes.prettyprint` and `test.prettyprint` are identical. Repeat this starting from several source programs.