

Technische Universität Berlin

Compiler Construction and Programming Languages
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Compiler Construction 1
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Winter term 2014/2015 Handout: Nov 13, 2014 Submission: Dec 3, 2014

Milestone 1b

Parser for µ-Opal

Assignment Parser

Implement a recursive-descent parser based on your LL(1) grammar of milestone 1a that returns the abstract syntax of the input program. Your parser must implement a minimal error handling: it stops on the first syntax error encountered and gives a descriptive error message with a precise source location.

The μ -Opal compiler template contains the parser combinators from the exercise class (in the file lib/parsercombinators_2.11-0.1.0.jar). You may use these combinators or use a manual style to implement your parser.

Submit the source tree of your $\mu\text{-}Opal$ compiler implementation including your implementation of the parser.

File to modify: Parser.scala