

## Technische Universität Berlin

Compiler Construction and Programming Languages
Prof. Dr. Peter Pepper · Secr. TEL12-2 · www.uebb.tu-berlin.de



Compiler Construction 1
Pepper · Lorenzen

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## 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  $\mu$ -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