Minicaml, a purely functional, didactical programming language with an interactive REPL.

Alessandro Cheli

Course taught by Prof. Gianluigi Ferrari and Prof. Francesca Levi

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Abstract

minicaml is a small, purely functional interpreted programming language with a didactical purpose. It is based on the Prof. Gianluigi Ferrari and Prof. Francesca Levi's minicaml, an evaluation example to show students attending the Programming 2 course at the University of Pisa how interpreters work. It is an interpreted language with a Caml-like syntax, featuring interchangeable eager and lazy evaluation, a didactical REPL that shows each AST expression and each evaluation step.

Test