Final Review: Interpreters

Characters

Characters

Characters

Characters

Characters

Characters

Lexing

Takens

$$10 + (5 + 6) + 6 + -3$$

Parsing

A 6-stract

Syntax

tree

(C) 5 6 6 6 73

Evaluation

I let rec eval (e: expr): int =

match e with

lint n = n

l Binop (op, el, e2) =

match op with

l Add = (eval el) + (eval e2)

l Mutt = (eval el) + (eval e2)

Tools

Eval: by hand

Parser Menhir: parser generator .mly -> .ml Lexer

ocamplex $mll \longrightarrow ml$

LOOK at example interpreter?

10.+(5+6)-+-5*-3