

" 3 + 4 \* 5 "

:: String

parseExpr

Add (Con 3) (Mul (Con 4) (Con 5))

:: Expr

evalExpr

= foldE s **where**  
s = (...,...,...,...)  
s::ESem **Int**

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:: Int

compileExpr

= foldE s **where**  
s = (...,...,...,...)  
s::ESem **Code**

Push 3  
Push 4  
Push 5  
Apply (\*)  
Apply (+)

:: Code

runCode