

Expression Syntax (example)

CS 4300 – Spring 2017

sentence	::= expression
expression	::= term ::= ADDOP term ::= expression ADDOP term
term	::= factor ::= term MULOP factor
factor	::= variable ::= literal ::= (expression)
variable	::= ID
literal	::= INT_LITERAL ::= FLT_LITERAL

Where:

Entries in **boldface** are tokens

MULOP is one of * / %

ADDOP is one of + -

FLT_LITERAL is a float constant without a sign

(at least 1 digit before and after decimal pt.; possible exponent)

INT_LITERAL is an integer constant without a sign

ID follows the usual rules for C identifiers, and may be any length

() are single-character tokens representing themselves