

CPSC 323 Project

Ethan Stupin
Joshua Benson
Nicholas Ayson

Regular Expressions:

Token Name	Regular Expression
addOp	(+ -)
assignOp	(+ - * /)(=)
Char	' (\ \' \" letter) '
Comma	,
Comparator	(< >) (! =) (=)
floatLiteral	Class example: digit* (("." digit*) ("." digit* (E e) (+ - ε) digit*) (digit* (E e) (+ - ε) digit*))
incrOp	(++ --)
Identifier	(letter _) (Letter Digit _)*
intLiteral	digit^+(u L uL Lu)
leftBrace	{
logicalNot	!
leftParen	(
multOp	(* /)
rightBrace	}
rightParen)
Semicolon	;
String	" (letter* digit* . , _ + - * \ < > ! = / ' " () { }) "

DFA:

Lexical Analyzer: