

CPSC 323 Project

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Regular Expressions:

Token Name	Regular Expression
addOp	(+ -)
assignOp	(+ - * /)(=)
Char	' (\ \' \" letter) '
Comma	,
Comparator	(< >) (! =) (=)
floatLiteral	digit digit* "." digit digit* letter digit*
incrOp	(+)(+) (-)(-)
Identifier	(letter _) digit* letter*
intLiteral	digit digit*
leftBrace	{
logicalNot	!
leftParen	(
multOp	(* /)
rightBrace	}
rightParen)
Semicolon	;
String	" (letter* digit* . , _ + - * \ < > ! = / ' " () { }) "

DFA:

Lexical Analyzer: