Authors: Garrett Williams, Koren Spell, Sara Ackerman, Mallory Anderson
Reviewers: Luke Hawranick, Jeremy Appiah

Tokens

Tokens with † have values

IDENTIFIER† / ID†
FOR_KEYW
WHILE_KEYW
IF_KEYW
ELSE_KEYW
INT_KEYW
FLOAT KEYW
OPEN_P
CLOSE_P
OPEN_B
CLOSE_B
PLUS
DOUBLE_PLUS
MINUS
DOUBLE_MINUS
MULT
DIV
EQUAL
DOUBLE_EQUAL
SEMICOLON
INT†
FLOAT†
LESS
LEQ
MORE
GEQ
NEQ

START

CLOSE_P
OPEN_P
CLOSE_B
OPEN_B
LEQ
LESS
GEQ
MORE
NEQ
SEMICOLON
IDENTIFIER†
MULT
DIV
INT†
FLOAT†
PLUS
DOUBLE_PLUS
MINUS
DOUBLE_MINUS
EQUAL
DOUBLE_EQUAL

ID† —o→ ID† —r→ FOR_KEYW
ID† —o→ ID† —a→ ID† —t→ FLOAT_KEYW
ID† —h→ ID† —i→ ID† —l→ ID† —e→ WHILE_KEYW
ID† —f→ IF_KEYW
ID† —t→ INT_KEYW
ID† —l→ ID† —s→ ID† —e→ ELSE_KEYW

f
l
w
i
e
n
=
<
>
!
;
{
}
(
)
*
/
+ +
- -
= =
0-9
0-9
.
0-9
0-9

_ or letter not
in {f,w,i,e}

IDENTIFIER† or
*_KEYW   a-z, A-Z, 0-9, _

All unspecified transitions
lead to the identifier state.

Note: *_KEYW references all token names ending in _KEYW