

Our Scanner can accommodate the following tokens:

Datatypes: 'TUNSIGNED', 'CHAR', 'INTEGER', 'MVOID', 'DOUBLE', 'LONG', 'SHORT', 'FLOAT', 'REAL', 'TSTRING', 'TBOOL', 'TBYTE', 'POINTER'

Actions: 'READ', 'IMPORT', 'INPUT', 'DISPLAY', 'DISPLAYN', 'MCLOSE', 'IDENTIFIER', 'MOPEN', 'MFILE', 'INCREMENT', 'DECREMENT', 'RETURN', 'CALL', 'IF', 'ELSE', 'THEN', 'ENDIF', 'FOR', 'EQUOP', 'DO', 'ENDFOR', 'REPEAT', 'UNTIL', 'ENDREPEAT', 'WHILE', 'DO', 'ENDWHILE', 'CASE', 'MENDCASE', 'MBREAK', 'MEXIT', 'ENDFUN', 'POTCONDITION'

Elements: 'STRING', 'LETTER', 'ICON', 'HCON', 'FCON', 'MTRUE', 'MFALSE', 'LP', 'RP'

Punary Elements: 'MINUS', 'NEGATE'

Punary Terms: 'STAR', 'DIVOP', 'MOD', 'LSHIFT', 'RSHIFT'

Expression terms: 'MINUS', 'BAND', 'BOR', 'BXOR'

Expressions: 'NOT', 'GREATER', 'EQUAL', 'LESS'

Conditions: 'OR', 'AND', '=='

Relational Operators: '<', '>', '>=', '<=', '!='

Keywords: 'POINTER', 'BEGIN', ',', '//', 'MTRUE', 'MFALSE', ':', '[', 'IMPLEMENTATIONS', 'FUNCTION', 'MAIN', 'IS', 'VARIABLES'

Identifiers: 'DEFINE', 'SET', 'SYMBOL', 'OF', 'TYPE'

Assignment Operators: '=', '+', '-', '/', '*', 'sqrt'