

## package lexicalanalyzer

| Token.java                               |
|--|
| Public String value<br>public String tag |

| Subclasses of Token.java |                        |  |
|--------------------------|------------------------|--|
| 1.                       | FloatNO.java           | Contains float number                      |
| 2.                       | Identifier.java        | Class for name of variables                |
| 3.                       | IdentifierSpecial.java | Class for name of prebuilt functions       |
| 4.                       | IntNO.java             | Class for integer values                   |
| 5.                       | Keyword.java           | Class for keywords                         |
| 6.                       | Literal.java           | Class for literals eg "this is a literal". |
| 7.                       | Operator.java          | Class for Operator tokens                  |
| 8.                       | Symbol.java            | Class for symbols like (})();              |

| Tag.java |                    |
|----------|--------------------|
| SYMBL    | "Symbol"           |
| OP       | "Operator"         |
| LTRL     | "Literal"          |
|          |                    |
| INT      | "IntNO"            |
| ID       | "Identifier"       |
| IDSP     | IdentifierSpecial" |
| KWRD     | "Keyword"          |
|          |                    |
| PLUS     | +                  |
| MINUS    | -                  |
| MULTIPLY | *                  |
| DEVIDE   | /                  |
| MODULUS  | %                  |
| ASGN     | =                  |
| EQ       | ==                 |
| LE       | <=                 |
| GE       | >=                 |
| GT       | >                  |
| LT       | <                  |

| KeywordValues.java |                    |
|--------------------|--------------------|
| INTEGER            | int                |
| FLOAT              | float              |
| CHAR               | char               |
| LOOP               | for                |
| PCOND              | if                 |
| SCOND              | else if            |
| FCOND              | else               |
| TRUE               | true               |
| FALSE              | false              |
| SHOW               | System.out.print   |
| SHOWLINE           | System.out.println |
| REPLY              | return             |
| ENDURE             | continue           |
| INTERRUPT          | break              |