

```
package Lexer;

/**
 * Created by rubenspessoa on 04/09/16.
 */
public class Token {

    /**
     * Internal representation of Tokens.
     */
    public enum TokenCategory {

        EOF(-1),
        ID(1),
        CTE_FLOAT(2),
        CTE_INT(3),
        CTE_STR(4),
        OP_ATR(5),
        OP_MEQ(6),
        OP_MAQ(7),
        OP_MEIGQ(8),
        OP_MAIGQ(9),
        OP_IG(10),
        OP_DIF(11),
        OP_AD(12),
        OP_SUB(13),
        OP_MULT(14),
        OP_DIV(16),
        OP_MOD(17),
        COMMENT(18),
        VECTOR_AUX(19),
        OP_AND(15),
        OP_OR(16),
        OP_NOT(17),
        PR_IF(18),
        PR_ELSE(19),
        PR_SHOOT(20),
        PR_WHILE(21),
        PR_FOR(22),
        PR_INT(23),
        PR_FLOAT(24),
        PR_BOOL(25),
        PR_STRING(26),
        PR_TRUE(27),
        PR_FALSE(28),
        SP1(29),
        AB_PAR(30),
        FEC_PAR(31),
        AB_CH(32),
        FEC_CH(33),
        AB_COL(34),
        FEC_COL(35),
        VOID(40),
        READIN(41),
        PRINTOUT(42),
        SP2(43);

        private int value;

        TokenCategory(int value) {
```

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        this.value = value;
    }

    public int getValue() {
        return this.value;
    }
}

private TokenCategory tokenCategory;
private String sequence;
private int lin, col;

/**
 * Construct the token representation within its values
 * @param tokenCategory Category Identifier int
 * @param sequence String that represents the token
 * @param lin Lexer.Token line in input
 * @param col Lexer.Token column in input
 */
public Token(TokenCategory tokenCategory,
             String sequence,
             int lin,
             int col) {

    this.tokenCategory = tokenCategory;
    this.sequence = sequence;
    this.lin = lin;
    this.col = col;
}

@Override
public String toString() {
    return "(Sequence: " + sequence + ", Token Category: " +
        tokenCategory.getValue() + ", Position: (" + this.lin + ", " +
        this.col + "))\n";
}
}
```