rmj.flex 29/9/22, 19:42

```
1 %%
 2
 3 %int
 4
 5 %{
 6
       String cadena = "";
 7
       String variable = "";
       String valor = "";
 8
 9
       Boolean asignacion = true;
10 %}
11
12 %xstate METODO VARIABLE PRINT IGUAL
13
14 %%
15
16 <YYINITIAL> {
17
18
       class
                                 { System.out.print(yytext()); }
19
       [a-zA-Z_][a-zA-Z_0-9]*
                                 { System.out.print(" " + yytext() + "_rmj "); }
20
21
22
23
       "{"
                                 {
24
                                      System.out.println(yytext());
25
                                     yybegin(METODO);
26
                                 }
27
28
       [^] {}
29
30 }
31
32 <METODO> {
33
                                                       {
34
   System.out.println(yytext()); }
35
                                                       { yybegin(VARIABLE); }
36
       String
37
38
       [a-zA-Z_][a-zA-Z_0-9]*
39
                                                         variable = yytext();
40
                                                         asignacion = false;
41
                                                         yybegin(IGUAL);
                                                       }
42
43
       [\t ]*System.out.println[ \t]*"("[ \t]*
44
45
                                                         System.out.print(yytext() +
   "\"");
46
                                                         yybegin(PRINT);
47
48
       [\t]*System.out.print[ \t]*"("[ \t]*
49
50
                                                         System.out.print(yytext() +
   "\"");
51
                                                         yybegin(PRINT);
52
```

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```
53
                                                          {
 54
        [\t]*"}"
    System.out.println(yytext()); }
 55
 56
        [^] {}
 57
 58 }
 59
 60 <VARIABLE> {
 61
        [a-zA-Z_][a-zA-Z_0-9]*
                                        {
 62
 63
                                             if(asignacion){
 64
                                                 variable = yytext();
 65
                                                 asignacion = false;
 66
                                             }else{
                                                 valor += TablaSimbolos.get(yytext());
 67
 68
                                            }
                                        }
 69
 70
 71
        \"[^\\"]*\"
                                        { valor += yytext().substring(1,
    yytext().length()-1); }
 72
 73
                                        {
                                             TablaSimbolos.put(variable, valor);
 74
 75
                                            variable = "";
                                            valor = "";
 76
 77
                                            asignacion = true;
 78
                                            yybegin(METODO);
 79
                                        }
 80
 81
        [^] {}
 82 }
 83
 84 < IGUAL> {
 85
 86
        \lceil a-zA-Z\_\rceil \lceil a-zA-Z\_0-9\rceil *
                                                 {
 87
                                                     if(asignacion){
                                                          variable = yytext();
 88
 89
                                                          asignacion = false;
 90
                                                      }else{
91
                                                          valor +=
    TablaSimbolos.get(yytext());
 92
                                                     }
 93
                                                 }
 94
        \"["\n""\t""\"""\\"]*[^+]*\"
 95
                                                 { valor += yytext().substring(1,
    yytext().length()-1); }
 96
        \"[^\\"]*\"
 97
                                                 { valor += yytext().substring(1,
    yytext().length()-1); }
 98
 99
                                                 {
                                                     TablaSimbolos.put(variable,
100
    valor);
                                                     variable - "".
```

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```
TVI
                                                   VUI LUDIC -
                                                   valor = "";
102
103
                                                   asignacion = true;
104
                                                   yybegin(METODO);
105
                                              }
106
107
108
        [^] {}
109 }
110
111 <PRINT> {
112
113
        [a-zA-Z_][a-zA-Z_0-9]*
                                               { cadena +=
    TablaSimbolos.get(yytext()); }
114
                                               {
115
                                                   System.out.println(cadena + "\""
116
    + yytext());
117
                                                   cadena = "";
118
                                                   yybegin(METODO);
                                              }
119
120
121
        \+
                                               {}
122
        \"["\n""\t""\\"]*[^+]*\"
123
                                               { cadena += yytext().substring(1,
    yytext().length()-1); }
124
        \"[^\"]*\"
125
                                               { cadena += yytext().substring(1,
    yytext().length()-1); }
126
127
        [^] {}
128 }
```