

Practica-rmj.pdf



jmp__0807



Procesadores de Lenguajes



3º Grado en Ingeniería Informática



Escuela Técnica Superior de Ingeniería Informática
Universidad de Málaga



**Que no te escriban poemas de amor
cuando terminen la carrera**



*(a nosotros por
suerte nos pasa)*

WUOLAH

WUOLAH

Oh Wuolah wuolithah
Tu que eres tan bonita

%%

```
%{
String variableAux, contenidoAux = "", variableBasura, quanAux;
}%
```

%int

%state LEYENDONOMBRECLASE CUERPOMAIN CONTENIDOVARIABLE CONTENIDOVARIABLEAUX MOSTRARVARIABLES
MOSTRARVARIABLESAUX SUMARAVARIABLE SUMARAVARIABLEAUX

%%

```
<YYINITIAL> {
    class " " {System.out.print(yytext());
               yybegin(LEYENDONOMBRECLASE);}
    [\n]      {}
}

<LEYENDONOMBRECLASE> {
    [a-zA-Z_\$][a-zA-Z0-9_\$]*" \"
{");};
    [\s] {System.out.print(yytext());}
    public "static" "void" "main\"(String" "argv\[\\]\\" \" \" {System.out.print(yytext());}
    public "static" "void" "main\"(String" "parametros\[\\]\\" \" \" {System.out.print(yytext());}
    yybegin(CUERPOMAIN);}
    yybegin(CUERPOMAIN);}
}

<CUERPOMAIN> {
    [\s] {System.out.print(yytext());}
    String " "[a-zA-Z_\$][a-zA-Z0-9_\$]*" = " {variableAux = yytext().substring(7,yytext().length()-3);
    yybegin(CONTENIDOVARIABLE);}
    String " "[a-zA-Z_\$][a-zA-Z0-9_\$]*"=" {variableAux = yytext().substring(7,yytext().length()-1);
    yybegin(CONTENIDOVARIABLE);}
    System\\.out\\.print[\\s]*\\( {System.out.print(yytext() + "\\");
    yybegin(MOSTRARVARIABLES);}
    System\\.out\\.println[\\s]*\\( {System.out.print(yytext() + "\\");
    yybegin(MOSTRARVARIABLES);}
    [a-zA-Z_\$][a-zA-Z0-9_\$]*" = " {variableBasura = yytext().substring(0,yytext().length()-3);
    quanAux = TablaSimbolos.get(variableBasura);
    yybegin(SUMARAVARIABLE);}
    {}
    {}
    {}
}

<SUMARAVARIABLE> {
    ; {yybegin(CUERPOMAIN);}
    [^\"] {}
    \" {yybegin(SUMARAVARIABLEAUX);}
}

<SUMARAVARIABLEAUX> {
    \\\\ {quanAux += yytext();}
    \\\\" {quanAux += yytext();}
    [^\"] {quanAux += yytext();}
    TablaSimbolos.put(variableBasura, quanAux);}
    \" {yybegin(SUMARAVARIABLE);}
}

<CONTENIDOVARIABLE> {
    \" {yybegin(CONTENIDOVARIABLEAUX);}
    [a-zA-Z_\$][a-zA-Z0-9_\$]* {contenidoAux += TablaSimbolos.get(yytext());}
    ; {TablaSimbolos.put(variableAux, contenidoAux);
    contenidoAux = "";
    yybegin(CUERPOMAIN);}
    {}
    {}
}

<CONTENIDOVARIABLEAUX> {
    [^\"] {contenidoAux += yytext();}
    \" {yybegin(CONTENIDOVARIABLE);}
}

}
```

<pre> <MOSTRARVARIABLES> { [a-zA-Z_][a-zA-Z0-9_]* \ \); [\+\s] } <MOSTRARVARIABLESAUX> { \\\ \\\ [^\"] \" } </pre>	<pre> {System.out.print(TablaSimbolos.get(yytext()));} {yybegin(MOSTRARVARIABLESAUX);} {System.out.print("\"" + yytext());} yybegin(CUERPOMAIN);} {} {System.out.print(yytext());} {System.out.print(yytext());} {System.out.print(yytext());} {yybegin(MOSTRARVARIABLES);} </pre>
---	---