#### **Analizador Sintáctico**

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#### **Análisis Sintáctico**

Se hizo un analizador sintáctico con la ayuda de la herramienta de Bison, para el lenguaje C y que corre en C, este analizador trabaja en conjunto con Flex, para tomar los tokens que este le otorga y revisar con las gramáticas que les sean ingresadas.

#### **Bison**

Bison convierte de una gramática libre de contexto a un analizador sintáctico que emplea las tablas de Parsing LALR(1), siendo:

- L: Left algo
- A: ...
- L: ...
- R: rightmost
- (1): donde este uno significa que tiene como lookahead solo un símbolo.

Cabe destacar que Bison es compatible con Yacc. Sirve con C,  $C++\ y$  Java.

```
char * lie;
double time , me = ! OXFACE ,
not ; int rested , get , out ;
main ( ly , die ) char ly , * * die ; {
    signed char lotte ,
    dear ; ( char ) lotte -- ;
    for ( get = ! me ; ; not ) {
        1 - out & out ; lie ; {
        char lotte , my = dear ,
        * * let = ! ! me * ! not + ++ die
        ( char * ) ( lie =
        "The gloves are OFF this time, I detest you, snot\n\ose GEEK!" ) ;
        do { not = * lie ++ & OxFOOL * ! me ;
```

```
( char * ) lie - 1 * ! ( not = atoi ( let
[ get - me ?
  ( char ) lotte -
( char ) lotte : my - * ( char * ) lie - -
'I' - * ( char * ) lie - - 'U' -
'I' - ( (long ) - 4 - 'U' ] ) - ! !
( time = out = 'a' ) ); } while ( my - dear
&& 'I' - 11 - get - 'a' ); break; } }
( char ) * lie ++;
( char ) * lie ++; ( char ) * lie ++; hell : 0 , ( char ) * lie;
get * out * ( short ) ly - 0 - 'R' - get - 'a' ^ rested;
do { auto * eroticism ,
that ; puts ( * ( out
```

```
- 'c'
- ('P' - 'S') + die + - 2)); } while (! "you're at it");
for (* ((char *) & lotte)^=
(char) lotte; ((char *) lie - ly) [(char) ++ lotte +
!! OxBABE];) { if ('I' - lie [2 + (char) lotte]) { 'I' - ll * * die;}
else { if ('I' * get * out * ('I' - ll * * die [2])) * ((char *) & lotte) -=
'4' - ('I' - ll); not; for (get = !
get;! out; (char) * lie & OxDO - ! not) return!!
(char) lotte;
do { not * putchar (lie [out
*! not *!! me + (char) lotte]);
not; for (;!'a';); while (
```

```
( char * ) lie - ( char * ) lie ) ; {
register this ; switch ( ( char ) lie
[ ( char ) lotte ] - 1 * ! out ) {
char * les , get = 0xFF , my ; case ' ' :
* ( ( char * ) & lotte ) += 15 ; ! not + ( char ) * lie * 's' ;
this + 1 + not ; default : 0xF + ( char * ) lie ; } }
get - ! out ;
if ( not -- )
goto hell ;
```

```
char * lie;
double time , me = ! OXFACE ,
not ; int rested , get , out ;
main ( ly , die ) char ly , * * die ; {
    signed char lotte ,
    dear ; ( char ) lotte -- ;
    for ( get = ! me ; ; not ) {
      1 - out & out ; lie ; {
      char lotte , my = dear ,
      * * let = ! ! me * ! not + ++ die
      /*Pruebas/love.c:11:50 syntax error, unexpected CHAR*/
      /*Pruebas/love.c:11:10 syntax error, unexpected RIGHT_PARENTHESIS*/
```

```
( char * ) ( lie =
"The gloves are OFF this time, I detest you, snot\n\Osed GEEK!" );
**Pruebas/Love.c:13:2 syntax error, unexpected DO*/
do { not = * lie ++ & OxFOOL * ! me;
    ( char * ) lie - 1 * ! ( not = atoi ( let
        [ get - me ?
        ( char ) lotte -
        ( char ) lotte = " ( char * ) lie - -
        '1' - * ( char * ) lie - - 'U' -
        '1' - ( long ) - 4 - 'U' ] ) - ! !

**Pruebas/Love.c:20:32 syntax error, unexpected WHILE*/

**Pruebas/Love.c:20:39 syntax error, unexpected MHIUS*/
    ( time = out = 'a' ) ) ; } while ( my - dear
```

```
/*Pruebas/love.c:21:2 syntam error, unempected AND_OP*/
/*Pruebas/love.c:21:6 syntam error, unempected CONSTANT*/
/*Pruebas/love.c:21:8 syntam error, unempected MINUS*/
/*Pruebas/love.c:21:11 syntam error, unempected CONSTANT*/
/*Pruebas/love.c:21:25 syntam error, unempected MINUS*/
/*Pruebas/love.c:21:25 syntam error, unempected RIGHT_PARENTHESIS*/
/*Pruebas/love.c:21:37 syntam error, unempected RIGHT_BRACKET*/
/*Pruebas/love.c:21:39 syntam error, unempected RIGHT_BRACKET*/
/*Pruebas/love.c:21:39 syntam error, unempected RIGHT_BRACKET*/
/*Pruebas/love.c:21:39 syntam error, unempected MINUS*/
(char) * lie ++; (char) * lie ++; hell: 0, (char) * lie;
/*Pruebas/love.c:24:26 syntam error, unempected MINUS*/
```

```
'4' - ('I' - 11 ); not; for ( get = !
get; ! out; ( char )* lie & OxDO - ! not ) return !!
( char ) lotte; }
( char ) lotte; do { not * putchar ( lie [ out
*! not *! !! me + ( char ) lotte ] );
not; for (; ! 'a'; ); } while (
( char * ) lie - ( char * ) lie ); {
register this; switch ( ( char ) lie
[ ( char ) lotte ] - 1 *! out ) {
char * les , get = OxFF , my; case ' ':
* ( ( char * ) & lotte ) += 15; ! not + ( char ) * lie * 's';
this * 1 * not; default : OxF + ( char * ) lie; } }
```

```
get - ! out ;
/*Pruebas/love.c:47:2 syntax error, unexpected IF*/
if ( not -- )
/*Pruebas/love.c:48:4 syntax error, unexpected GOTO*/
goto hell ;
/*Pruebas/love.c:49:27 syntax error, unexpected RIGHT_BRACKET*/
```