pancakes :

program

program :

element

element :
var_declaration :

'var' ID '=' 'fun' fun_declaration expression ',' ID '=' 'fun' fun_declaration expression ';'

fun_declaration :

ID '(' args ')' '{' element '}'

args :

ε

fun_arg ',' fun_arg

fun_arg :

```
var_declaration
'fun'  fun_declaration
fun_call  ';'
class_declaration
loops
conditionals
assignments
return_statement
```



```
'ref'  ID  indexes
```
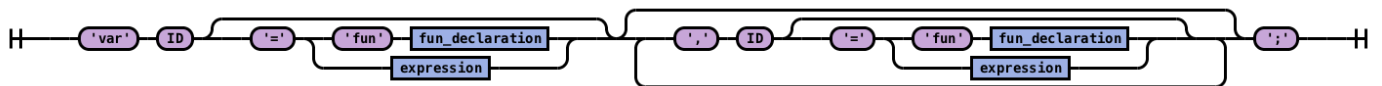
fun_call :
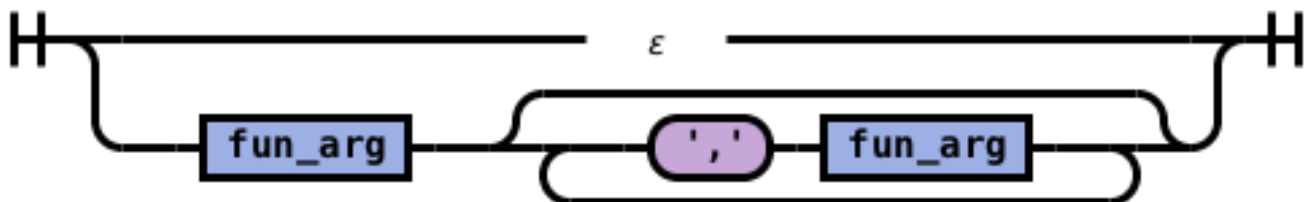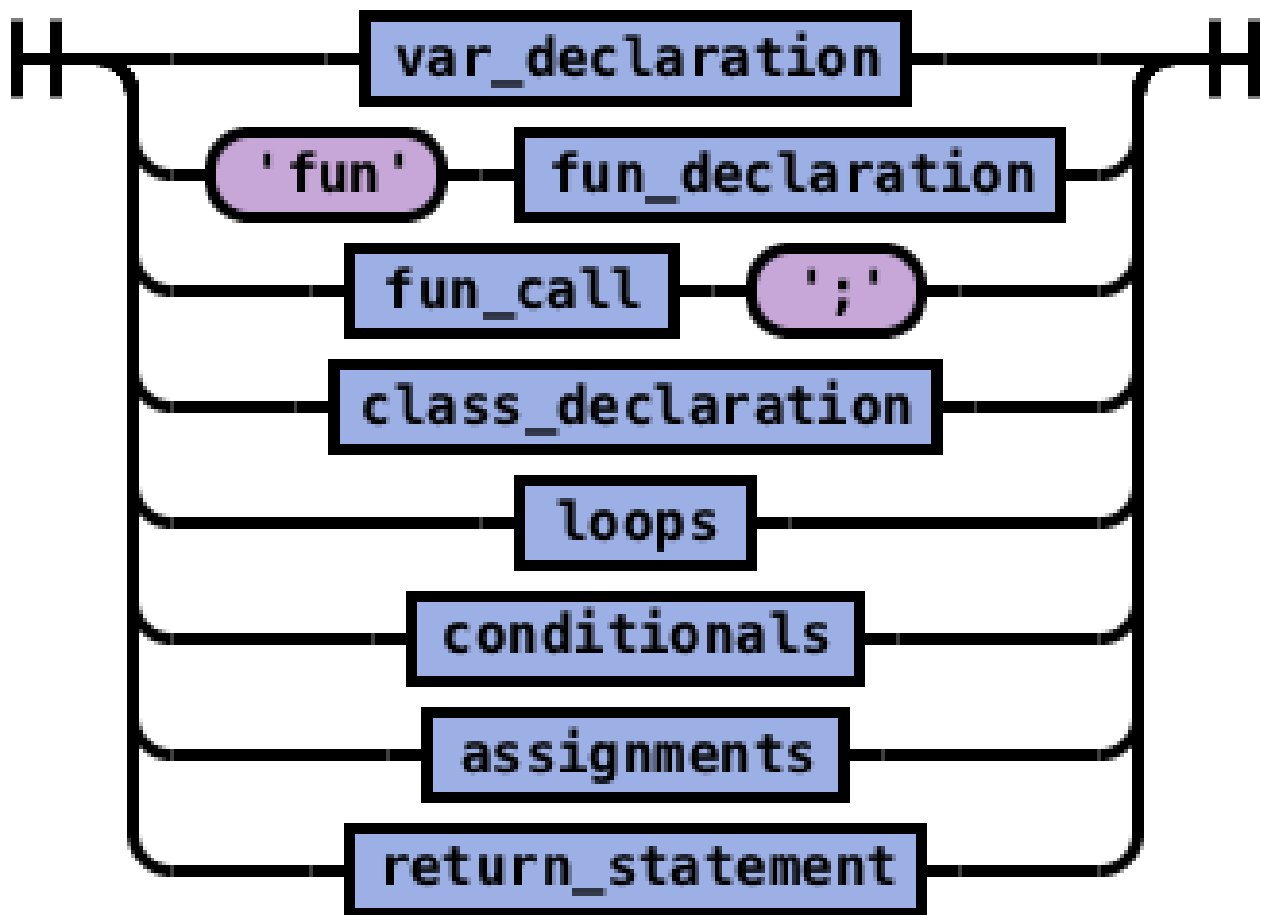

```
ID  indexes  '('  params  ')'
ID  indexes  '.'  fun_call
```
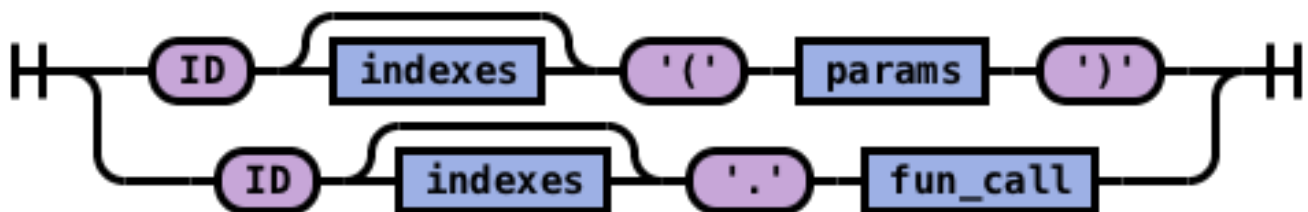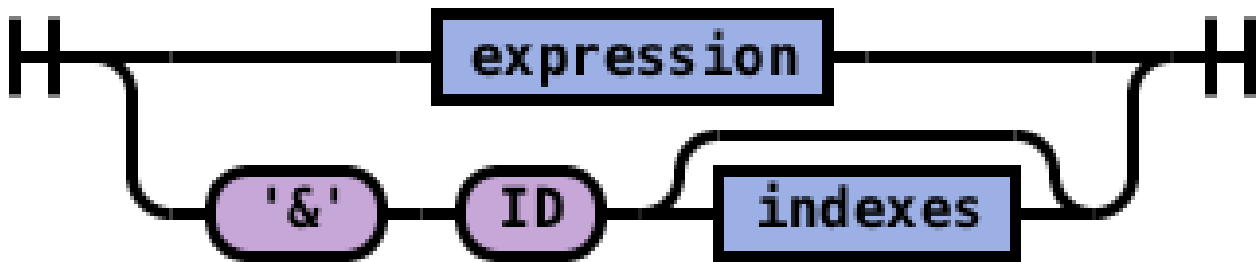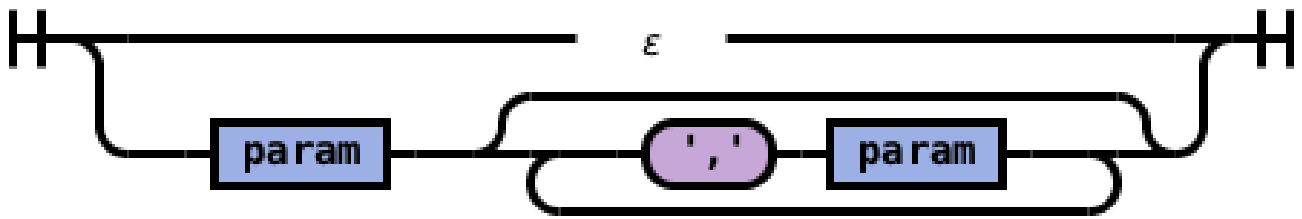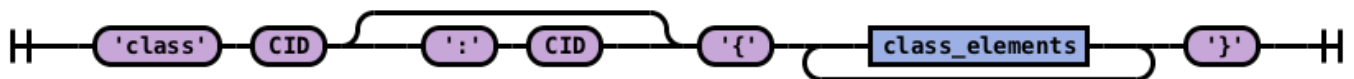
params :
param :

class_declaration :
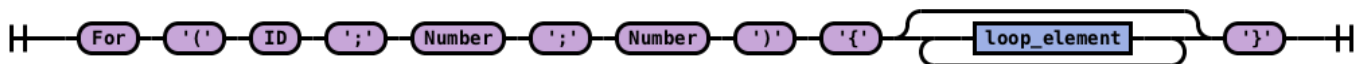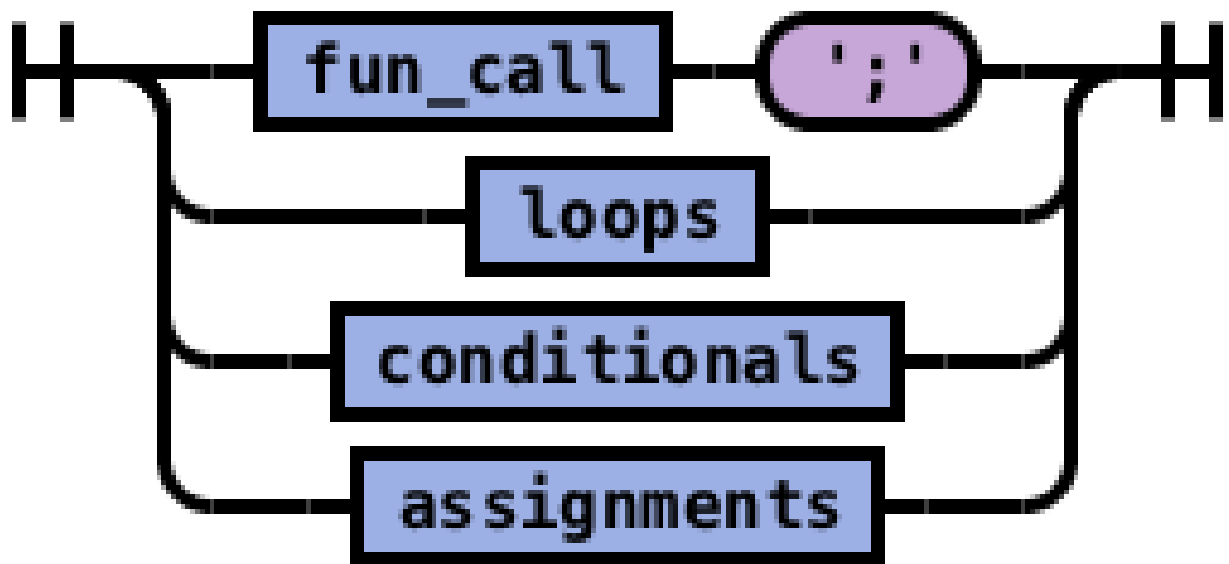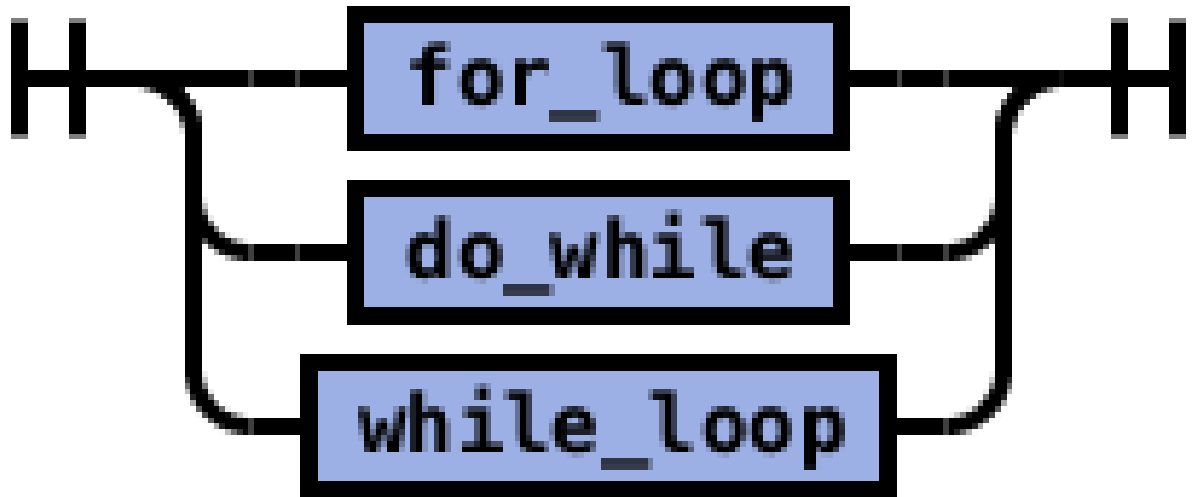

class_elements :

loops :
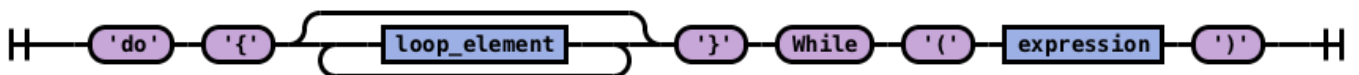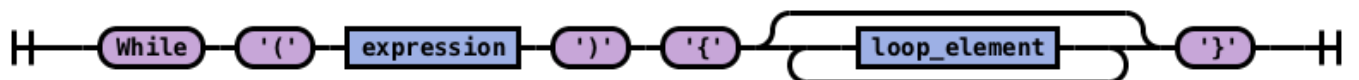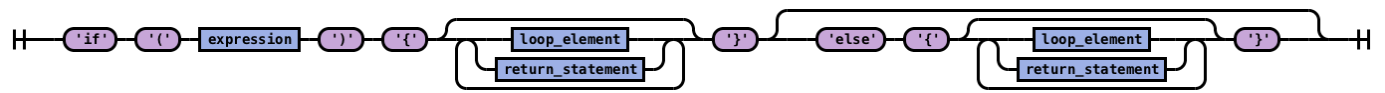
for_loop :
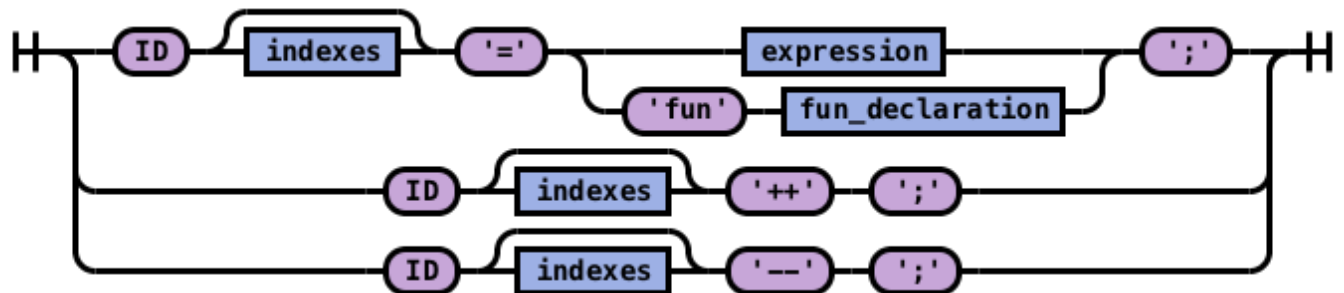

loop_element :

do_while :

while_loop :

conditionals :
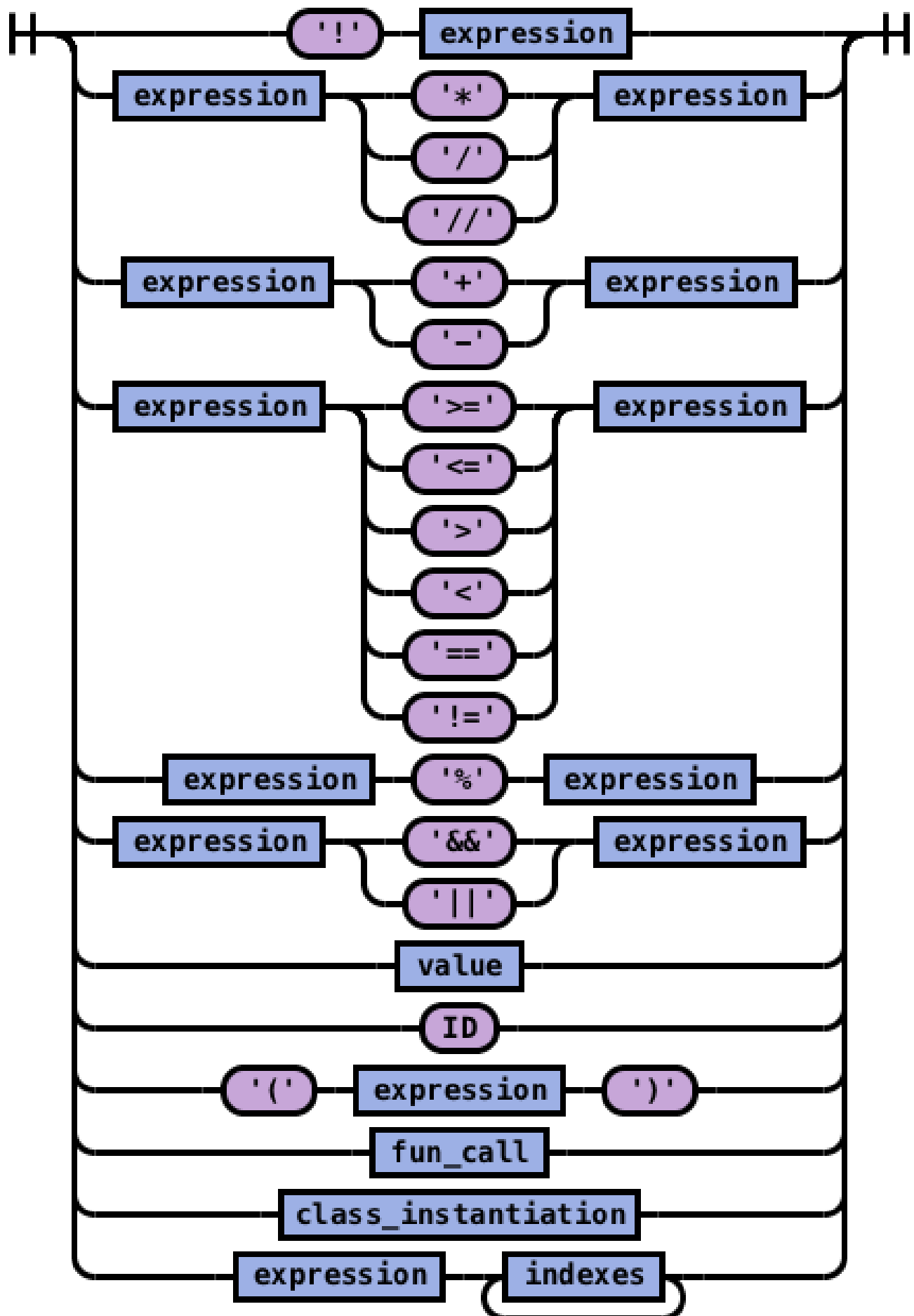expression :

class_instantiation :

assignments :

return_statement :

value :

indexes :
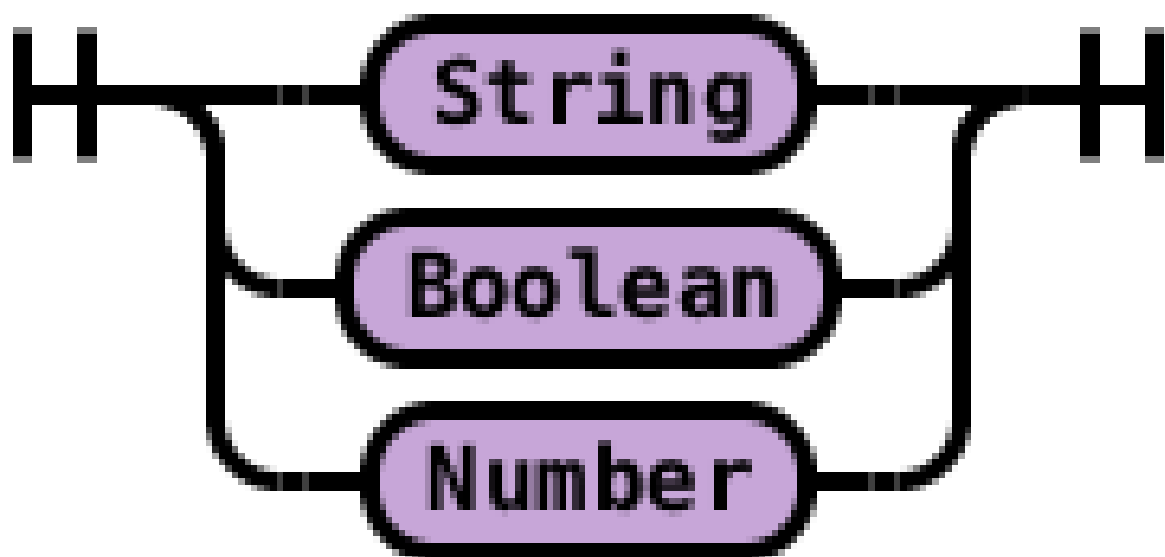
```
'!'  expression

expression  '*'   expression
            '/'
            '//'

expression  '+'   expression
            '-'

expression  '>='  expression
            '<='
            '>'
            '<'
            '=='
            '!='

expression  '%'   expression

expression  '&&'  expression
            '||'

value

ID

'('  expression  ')'

fun_call

class_instantiation

expression  indexes
```
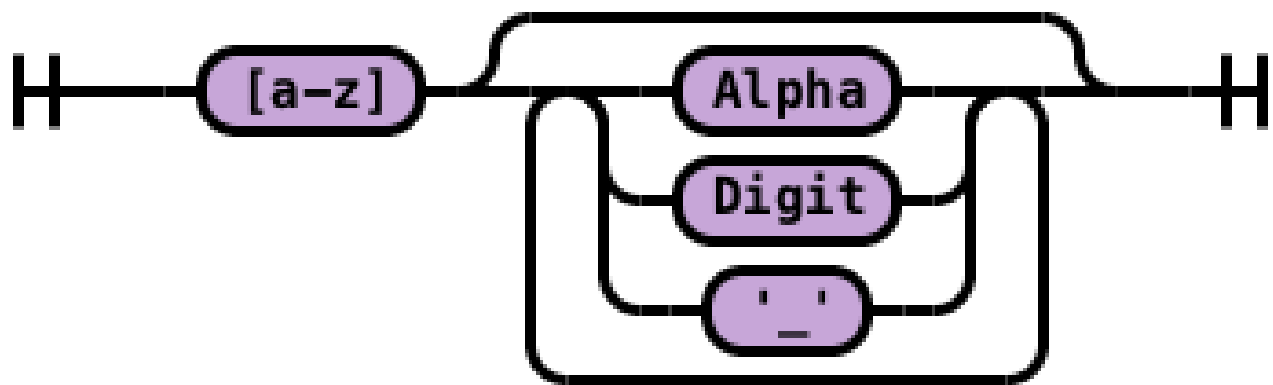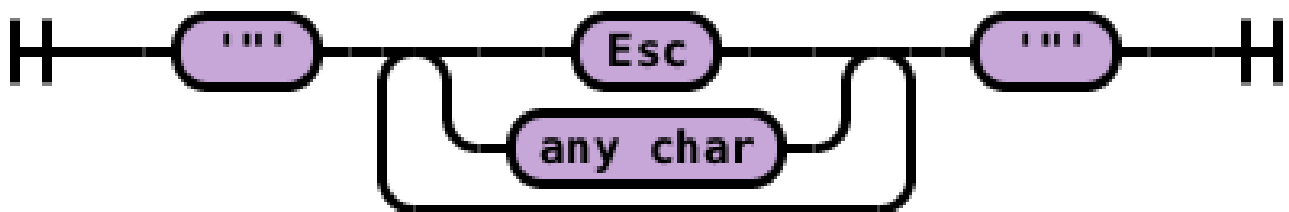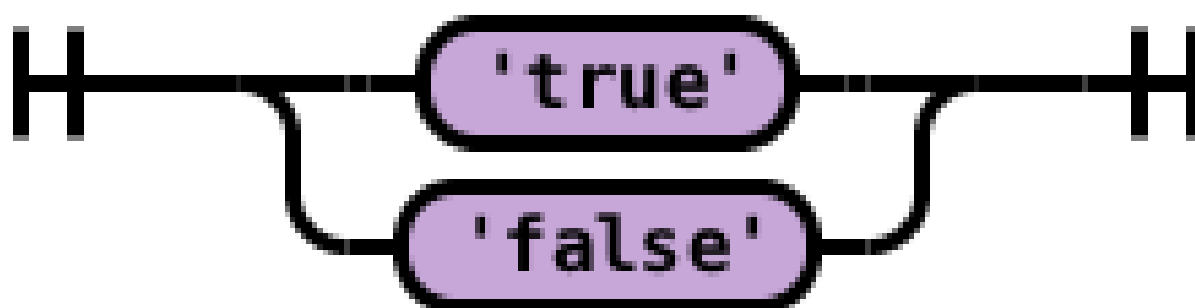
While :

For :

Line_comment :

Comment :

ID :

CID :

String :

Number :
Boolean :

Digit

Digit '.' Digit

'.' Digit

'true'

'false'

Esc :

'\"'

'\\'

Alpha :

Digit :

[a-zA-Z]

[0-9]

WS :

\t\n\r