

For additional Information (Symbols, Conventions, ...) see:

https://en.wikipedia.org/wiki/Extended_Backus%E2%80%93Naur_form

Grammar Tuple: (V, Σ , R, S)

V = Non-Terminals = {s, source_file, package_declaration, import_declaration, import_path, toplevel_declaration, function_name, function, signature_rest, function_body}

Σ = Terminals = Tokens (see "Tokens" subfolder)

S = Starting Variable = S

R = Production Rules (as following):

s	= source_file .
source_file	= package_declaration “;” body .
body	= import_declaration . top_level_declaration .
package_declaration	= “package” PID .
import_declaration	= import_declaration “import” import_path “;” . “import” import_path “;”
import_path	= STRING .
toplevel_declaration	= toplevel_declaration “func” function_name function . “func” function_name function .
function_name	= ID .
function	= signature_rest function_body .
signature_rest	= “(“ “)” .
function_body	= “{“ “}” .