

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

[https://en.wikipedia.org/wiki/Extended\\_Backus%E2%80%93Naur\\_form](https://en.wikipedia.org/wiki/Extended_Backus%E2%80%93Naur_form)

Grammar Tuple: (V,  $\Sigma$ , R, S)

V = Non-Terminals = {s, source\_file, package\_declaration, import\_declaration, import\_path, toplevel\_declaration, function\_name, function, signature\_rest, function\_body}

$\Sigma$  = Terminals = Tokens (see "Tokens" subfolder)

S = Starting Variable = S

R = Production Rules (as following):

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