

Grammar Tuple: (V, Σ , R, S)

V = Non-Terminals = {S, SourceFile, PackageDeclaration, ImportDeclaration, TopLevelDeclaration, MainFunc, Command, Identifier, Body}

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

S = Starting Variable = S

R = Production Rules (as following):

S	-> SourceFile
SourceFile	-> PackageDeclaration ImportDeclaration Body
Body	-> TopLevelDeclaration MainFunc TopLevelDeclaration
PackageDeclaration	-> ^package\$ Identifier [;]
ImportDeclaration	-> ϵ
TopLevelDeclaration	-> ϵ
MainFunc	-> ^func\$ ^main\$ [(] [{ } Command []]
Command	-> ϵ
Identifier	-> [_a-zA-Z][_a-zA-Z0-9]*