

Grammar Tuple: (V, Σ , R, S)

V = Non-Terminals = {S, SourceFile, PackageDeclarationRest, ImportDeclaration, MainBody, Body, TopLevelDeclaration, MainFunc, PackageIdentifier, Command}

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

S = Starting Variable = S

R = Production Rules (as following):

| | |
|------------------------|---|
| S | -> SourceFile |
| SourceFile | -> ^package\$ PackageDeclarationRest |
| PackageDeclarationRest | -> ^main\$ [;] ImportDeclaration MainBody PackageIdentifier [;] ImportDeclaration Body |
| ImportDeclaration | -> ϵ |
| MainBody | -> TopLevelDeclaration MainFunc TopLevelDeclaration |
| Body | -> TopLevelDeclaration |
| TopLevelDeclaration | -> ϵ |
| MainFunc | -> ^func\$ ^main\$ [(] [)] [{} Command {}] |
| PackageIdentifier | -> [a-zA-Z] [_a-zA-Z][_a-zA-Z0-9][_a-zA-Z0-9]* |
| Command | -> ϵ |