

Languages-beta: SL-Start *

The P_{LAN}CompS Project

SL-Start.cbs | PLAIN | PRETTY

Language "SL"

[**1** Lexemes
 2 Expressions
 3 Statements
 4 Function definitions
 A Disambiguation]

Syntax $START : \text{start} ::= \text{program}$

Semantics $\text{start} \llbracket START : \text{start} \rrbracket : \Rightarrow \text{null-type}$

Rule $\text{start} \llbracket Program \rrbracket =$
 initialise-binding
 initialise-storing
 initialise-giving
 finalise-abrupting
 $\text{run} \llbracket Program \rrbracket$

Syntax $Program : \text{program} ::= \text{fun-def}^*$

Semantics $\text{run} \llbracket Program : \text{program} \rrbracket : \Rightarrow \text{null-type}$

Rule $\text{run} \llbracket FunDef^* \rrbracket =$
 scope(
 initialise-global-bindings,
 sequential(
 override-global-bindings($\text{declare} \llbracket FunDef^* \rrbracket$),
 apply(fun global-bound "main", nil)))

*Suggestions for improvement: plancomps@gmail.com.
Reports of issues: <https://github.com/plancomps/CBS-beta/issues>.