Specification Document

* Keyword List

-int

-string

-boolean

-operator (+, -, \*, /, <, >)

* Grammars for who key words, statements, and expression and over all syntax are evaluated

Syntax: ++ +- ==

Ex.

<term> ++ | +- | ==

Double | int ++ | +- | ==

* A description of the semantics (some combination of the following for each grammar rule)
  + Denotation
  + Operational

The order of operational is from left to right for all, regardless priority.

Each operation can only process once per time.

* + Attribute Grammar
* A list of data types and the operations related to them (each operation requiring a syntax rule)

Data types: -String, -Double, -Int, -Bool

Does not support run (+ - \* /) variables directly,

Only operate between variables,

Ex.

<expr> <term> {(+ | - | \* | /) <term>}

<term> integer | double

For boolean expression,

i.e.

true | false true

true | true true

false | false false

true & false false

true & true true

false & true false

<expr> <term> {( | | &) <term>}

<term> boolean

Can only excute between same data types.