Puggo language

Introduction

Puggo is just like any other programming languages, with functions, loops, branching, etc.
Except for the fact that the only available keyword is 'puggo'.

Execution starts in the function prefixed with '--puggo--'.

Function declarations

Type	0 args	...n args
void	puggo:	puggo; (n *)puggo:
int	puggo puggo:	puggo puggo; (n *)puggo:
char	(3 *)puggo:	(3 *)puggo; (n *)puggo:
float	(4 *)puggo:	(4 *)puggo; (n *)puggo:
double	(5 *)puggo:	(5 *)puggo; (n *)puggo:
boolean	(6 *)puggo:	(6 *)puggo; (n *)puggo:

For ref (var)s, prefix the declaration with [puggo].
For arrays, prefix the declaration with *puggo* (after [puggo], if your function has it).

Variable declarations

Type	single	array
reserved	;;puggo	;;*puggo* puggo
int	;;puggo puggo	;;*puggo* puggo puggo
char	;;(3 *)puggo	;;*puggo* (3 *)puggo
float	;;(4 *)puggo	;;*puggo* (4 *)puggo
double	;;(5 *)puggo	;;*puggo* (5 *)puggo
boolean	;;(6 *)puggo	;;*puggo* (6 *)puggo

For ref (var)s, prefix the declaration with [puggo], but put it after ;;.

Calling functions

.puggo<(function_id)>[(args)]

The function ID is simply how many functions were declared before the one you're trying to call.

Referencing variables
,puggo<(variable_id)>

To reference a value within an array, use ,puggo<(variable_id)><(index)>

Assigning values to variables
,puggo<(variable_id)> = (value)

Representing numbers
For once, something is actually done the way it is in other languages.

Representing booleans
true = puggo
false = puggo puggo

Representing strings
Surround the string with "" symbols, and type 'puggo' until the number of characters in the sequence (excluding spaces) is equal to the ASCII value of the character you're trying to represent.

Separate characters with underscores.

Return statements
,,puggo <value>

Command line
.puggo<0>[(command)]

Control structures
If statements
puggo [[(boolean)]]:

While loops
puggo [[[(boolean)]]]:

Operations
Operations (comparison, arithmetic, and logical) are represented with the same symbols as they are in other languages. However, x++ and x-- are not available in Puggo.