Language Specification

May 1, 2013

1 Basic Types

1.1 Numeric

1.2 Literal

2 Functions

This language supports function definitions and calls that are non-recursive and in the same file. Function definitions are of the form:

¡type¿ ¡literal¿(¡params¿)

Where ¡params¿ is a comma separated list of ¡type¿ ¡literal¿ declarations. For example:

int foo(int a, double b, int c)

Functions do not need to be declared above where they are used. The file has a comprehensive function namespace.

Recursive and mutually recursive functions are not allowed. The graph of function calls with main as the root node must form a DAG.

3 Expressions

3.1 Conditional Expressions

3.2 Assignment Expressions

4 Control Flow

4.1 For

4.2 While

4.3 If