Documentation - Arrow

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Arrow

Arrow is a general purpose high level scripting language, with loose typing. The arrow interpreter is made in Java.

Hello World

a quick hello world would be:

```
[print] <- "Hello World"
```

Syntax

In arrow, everything is an expression, including the entire program itself. Thus, each line (except the last one) is ended with a comma (`,`).

Here is an example to echo an input by a user:

```
[print] <- "Enter something",
value <- [input] <- null,
[print] <- "You said " + value
```

As you can see, the commas make the program seem like an expression.

Operators

The operators in Arrow are as follows:

Numeric Operations:

- `a + b` (Numeric Addition)
- `a - b` (Numeric Subtraction)
- `a * b` (Numeric Multiplication)
- `a / b` (Numeric Division)

String Operations

- `a + b` (String Concatenation)

Call/Assignment Operator (`<-`)

- `a <- value` (Variable Initialisation/Assignment)

- `return_vals <- (func) <- args` (Function call)

Literals

Arrow currently supports the following literals:

- String: `"Value"`
- Numeric: `123`, `456.789`, `.23`
- Null: `NULL` or `null`

Future

The following will be implemented in the future:

- Control Flow (if and while statements)
- Function declarations
- Array/List types
- Logical and Boolean operators