

## Inspired by Python + Lox + JS language

### **No semicolons :)**

#### 1) Variables:

Data Types: int, float, boolean, char

```
int a = 5
```

```
float d = 6.0
```

```
char b = 'h'
```

boolean has two values - true and false

#### 2) Arithmetic operators:

- For addition : +  
Example :- sum= a + b
- For subtraction: -
- For multiplication : \*
- For division: /

#### 3) Comparison operators:

- Greater than : >  
Ex: a is greater than b  
a>b
- Less than : <
- Equal : ==
- Not equal : !=
- Greater than or equal to: >=
- Less than or equal to: <=

#### 4) Functions :

Using keyword “func” to declare functions, followed by function name

Ex: func add(int a, int b)

```
{  
    return a+b  
}
```

#### 5) Comments:

Hashtags(#) at the start and end of the comment

Ex: # this is a comment #

#### 6) Print:

Using the keyword 'out' to print anything.

Ex : out("transpiler")

#### 7) Input:

Using keyword 'in' to accept values

#### 8) Conditional

- If statement  
using keyword "if"
- Else statement  
using keyword "else"
- Else-if statement  
using keyword "elif"

#### 9) Loops

- For loop  
using keyword "for"
- while loop  
using keyword "while"

They also have keywords

- break
- continue

#### 9) Logical operators

- And : &&
- Or : ||
- Not : !