ELPL

ELPL Programming Language Documentation

Welcome to the **ELPL (English Like Programming Language)** documentation. ELPL is a beginner-friendly, English-like pseudo-programming language designed for learning programming fundamentals in a clear and natural way.

Syntax Overview

Variables

Declare a variable using the syntax:

```
let <variable_name> be <value>
```

Example:

```
let x be 2
let name be "John"
```

Comments

Single-line comment:

```
/ This is a comment
```

Inline comment:

```elpl
print "x is " x // prints value of x
```

Multi-line comment:

```
> This is a
multi-line comment <
```

Print Statement

Print text or variable values using:

```
print "Hello!"
print x
print "x is " x
```

Conditional Statements

Use natural language conditionals:

```
if <condition> then print "..." otherwise print "..."
```

Example:

```elpl
if x is greater than y then print "x is bigger" otherwise print "x is not bigger"
```

Supported comparisons:

* `is equal to`
* `is not equal to`
* `is greater than`
* `is less than`
* `is greater than or equal to`
* `is less than or equal to`

Loops

Use the `repeat` block for loops:

```elpl
repeat 10 times {
  print "Hello!"
}
```

Example Code

```elpl
let x be 2
let y be 4

if x is greater than y then print "x is bigger" otherwise print "x is not bigger"
```

```
print x
repeat 10 times {
  print "Hello!"
}

print "x is " x
```

while loop
let x be 0
while x is greater than 10{
 print x
let x be x add 1
}

Arrays and for loop

Array nums be [1, 2, 3, 4]

let sum be 0
for i be 0 to 3 {
    let sum be i add nums[i]
}

print sum / prints: 10

print nums[1] / prints: 2

Functions

function greet {
print “Hello, how are you?”

}

call greet / calling function

Notes

* Variable values can be overwritten by re-declaring.
* Strings must be enclosed in double quotes (`"`).
* Comments improve readability but are ignored by the interpreter.

Use Cases

ELPL is ideal for:

* Teaching basic programming logic

* Pseudocode writing
* Algorithm visualization

For more examples and advanced features, check out the full ELPL reference guide (coming soon).

For Detail use refer to Sample code.

Happy Coding!