

Nugget Software Language (NSL) - Documentation

Welcome to Nugget Software Language (NSL)! NSL is a simple scripting language for quizzes, games, and small applications.

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Introduction

NSL allows you to:

- Use simple commands: `ECHO`, `VAR`, `READ`
- Implement loops and conditions: `FOR`, `WHILE`, `IF/ELSE`
- Create functions: `PROC` and `CALL`
- Run interactive examples and quizzes

Commands

ECHO

Prints text or variables to the screen.

```
ECHO Hello World!
ECHO Your score is v%Score
```

VAR

Creates a variable or changes its value.

```
VAR Score 0
VAR Score v%Score+1
```

READ

Reads input from the user.

```
READ "What is the capital of Croatia?" Answer
```

RANDOM

Generates a random number between two values and stores it in a variable.

```
RANDOM Number 1 DO 10
```

SLEEP

Pauses execution for a specified number of seconds.

```
SLEEP 2.5
```

CLEAR

Clears the terminal screen.

```
CLEAR
```

BREAK

Stops program execution.

```
BREAK
```

Loops and Conditions

IF / ELSE / ENDIF

```
IF v%Score >= 3 THEN
    ECHO Congratulations!
ELSE
    ECHO Try again
ENDIF
```

FOR / NEXT

```
FOR i = 1 TO 5
    ECHO Number v%i
NEXT
```

WHILE / ENDWHILE

```
VAR i 1
WHILE v%i <= 5
    ECHO Number v%i
    VAR i v%i+1
ENDWHILE
```

Functions

PROC / END

Defines a function with parameters.

```
PROC Sum a b
    VAR total v%a+v%b
    ECHO The result is v%total
END
```

CALL

Calls a function with arguments.

```
CALL Sum 5 7
```

Examples

Quiz

```
ECHO Welcome to the NSL quiz!
VAR Score 0

READ "What is the capital of Croatia?" Answer1
IF v%Answer1 == "Zagreb" THEN
    VAR Score v%Score+1
    ECHO Correct!
```

```
ELSE
    ECHO Wrong! The correct answer is Zagreb.
ENDIF
```

Loops

```
FOR i = 1 TO 5
    ECHO Number v%{i}
NEXT
```

About the Author

NSL was created by Petar Reljić 😺🌙 Purpose of the language: fast learning and fun programming of small scripts.