Nilnovi Documentation

Syntax

Nilnovi is a non-indentation sensitive language very close to pseudo-code.

Such as a lot of non-indentation sensitive language, every line should finish by a semicolon (`;`) or a keyword (`is`, `end`, `loop`, `then`, `else`).

Allowed Types

- **integer** : accepts both positive and negative number
- **boolean** : *true* or *false*

Declarations

Functions and procedures

Pre implemented methods

- **put (i : integer)** : prints i.
- **get (i : integer)** : gets the input from the user adn affects it to i.

User Methods

All functions and procedures should be declared as follows:

```
procedure my_procedure_name(param1 : Type1, [...]) is
    var1 : Type;
    var2 : Type;
    [...]
    begin
        # statement
    end
```

OR

```
function my_function_name(param1 : Type, [...]) return Type is
    var1 : Type;
    var2 : Type;
    [...]
    begin
        # statement
        return value;
    end
```

As this is procedure and function declaration, it is always necessary to use parentheses.

Variables

All variables have to be declared at the top of the method, before the key-word "begin", such as explained above.

Operators

- **+** : addition
- **-** : substraction
- ***** : multiplication
- **/** : quotient
- **:=** : affectation
- **=** : logical equality
- **/=** : logical inequality
- **or** : logical or
- **and** : logical and
- **not** : logical not
- **>** : superior
- **>=** : superior or equal
- **<** : inferior
- **<=** : inferior or equal

Comments

- **#** : commented line
- **/* [...] */** : comments block

Procedural blocks

If

```
if [condition] then
    # statement
elif [condition] then
    # statement
else
    # statement
end
```

While

```
while [condition] loop
    # statement
end
```

For

```
for [i] from [begin] to [end] loop
    # statement
end
```

3 / 3

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