

# RECOL 26

## Readable Computing Language

### Language Standard (Draft)

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## 1. Comments

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Comments are written using double slashes:

```
// This is a comment
```

## 2. Variables

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All variables in RECOL 26 must start with the **\$** symbol and must be declared before use.

First, a variable must have a data type:

```
$variable1 :: string;
```

Then a value can be assigned:

```
$variable1 := "hello";
```

### Data Types

```
string  
int  
bool  
char
```

## Example

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```
$var1 :: int;
$var1 := 67;

$var2 :: int;
$var2 := 50;

$sum :: int;
$sum := $var1 + $var2;
```

## 3. Output

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All data must be stored in variables before output.

```
$string1 :: string;
$string1 := "I am sigma";
display($string1);
```

*Direct output of literals is not allowed:*

```
display("hello"); // NOT ALLOWED
```

## 4. Input

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```
$input1 :: string;
accept($input1);
```

## 5. Program Structure

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```
program-info MY_FIRST_PROGRAM

SECTION VARIABLES

$var1 :: int;
$var2 :: string;
```

begin

end