RON

A FAKE DIARY

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WARNING: THIS IS A FAKE DIARY

Welcome to this fake diary, written in LATEX (**not** pronounced like the rubber)

Ahhaa   2020-07-06

Hello, I like LATEX, and today I went to the science museum in Tartu (called *"Ahhaa"*). *Ahhaa* has a **enormous** chair and table, on which one can sit, and pretend to drink from a **enormous** mug. I sat on the chair, and a giant came, and nearly sat on the chair I was sitting on, but I notified it (him/her) that I was sitting there, by shouting "Mi sidas ĉi tie" [1]

[1] Giants speak Esperanto (it is the international language)

Scheme   2020-07-07

I like Scheme
"Hello, world!" in Scheme:

```scheme
;; Should work in most Schemes
(display "Hello, world!")
(newline)
```

Scheme is a functional programming language (although it is not a pure functional programming language), and a dialect of lisp. Scheme implementations require Tail Call Optimization (TCO), so that tail calls do not cause stack overflows, and has no loops. It is a Lisp-1, which means that functions and variable use the same namespace

A function that takes 1 parameter, called name, and says hello to it:

```scheme
(define (hello name)
  (display "Hello, ")
  (display name)
  (display "!")
  (newline))
```

or

```scheme
;; This is equivalent to the one above because Scheme is a Lisp-1
;; So a variable containing a lambda is equivalent to a function
(define hello (lambda name
                (display "Hello, ")
                (display name)
                (display "!")
                (newline)))
```

Watermelon   2020-07-08

At 10:25:31 it was 28.5322313342°C

I went into the basement, where there was a lake, which I went round. Past the lake there was a store of watermelons (in case of a hard brexit, and for other purposes), so I sent a watermelon through the Watermelon Transport System™ (WTS™) to the main house, and went back. I then received the watermelon from the Watermelon Transport System™, and ate it, which I enjoyed *very* much.

Strawberries   2020-07-09

I had grown so many strawberries, that I had an overflow of strawberries, so I sold some of them today, and made a profit of €10000 [2]. The strawberry store is past the watermelon store, and uses the Strawberry Transport System™ (STS™), which is designed for strawberries, instead of the Watermelon Transport System™.

[2] Because the giant bought a lot of them