

ENTIRE LANGUAGE SYNTAX FITS IN A POSTCARD

`exampleWithNumber: x`

"A method that illustrates every part of Smalltalk method syntax except primitives. It has unary, binary, and keyword messages, declares arguments and temporaries, accesses a global variable (but not an instance variable), uses literals (array, character, symbol, string, integer, float), uses the pseudo variables true false, nil, self, and super, and has sequence, assignment, return and cascade. It has both zero argument and one argument blocks."

```
|y|
true & false not & (nil isNil) ifFalse: [self halt].
y := self size + super size.
#($a #a "a" 1 1.0)
    do: [:each | Transcript show: (each class name);
        show: ' '].
^ x < y
```

THE SMALLTALK ENVIRONMENT

- ▶ Entirely made up of objects
- ▶ Working in Smalltalk essentially means modifying the environment (by introducing new objects, modifying existing objects)
- ▶ You modify the environment by communicating with its objects via messages