

These Scammers

- Reading only **one character** at a time the scanner transforms a sequence of characters into a sequence of symbols that has **no structure**.
- There are single-character symbols (`' < '`, `x`) and multi-character symbols (`' <= '`, `' variable '`). All symbols are uniquely identified by a token (integer).
- The whole sequence of symbols is not stored. Only the last read symbol is remembered.

*The scanner performs a **membership test** on a sequence of characters. It checks whether the symbols it sees are **valid symbols** of the programming language.*

What are valid symbols?

- **What is needed:**

A specification of valid symbols -> regular expression
and a formalism to write such a specification.

- **In selfie...**

the chosen formalism is EBNF (see in the grammar.md
file).

The Scanner

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