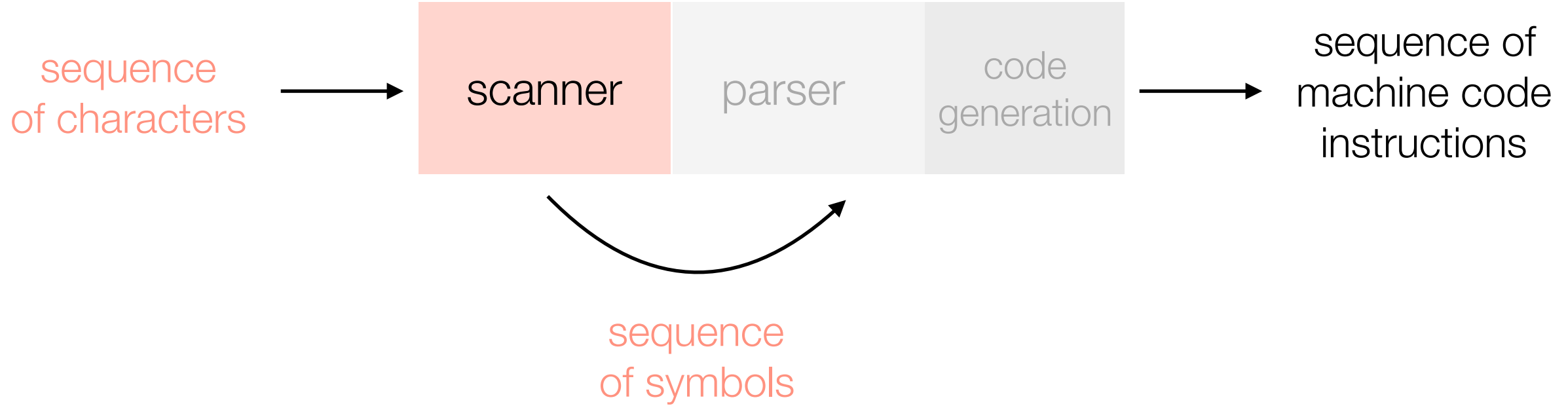




**Thescanner**



# The Scanner

*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.*

- 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

