



SYNTAX ANALYSIS = PARSING = HIERARCHICAL ANALYSIS

- Parser:
 - reads a stream of tokens,
 - recognizes the grammatical phrases that they form,
 - and outputs a parse tree showing the grammatical structure of the program
- Parsing can be:
 - **top-down** using **recursive descent parsers** built by hand or with tools, or
 - **bottom-up** using **shift-reduce parsers** built using tools