





Lexical Analysis is not as portable as syntax analysis
(file reading/opening involved)

(1) Simplicity
(2) Efficiency
(3) Portability


} better to split lexical & syntax analysis

- Lexical analysis is essentially pattern matching
- Traditional part of computing.
- extracts lexemes from





The Lexical Analyzer(LA) extracts lexemes from the given input string and produces tokens.
The Syntax analyzer (SA) module calls lexical analyzer.
Hence each call to LA by SA returns a lexeme and its token.
Lexical analysis process includes skipping comments and white spaces outside lexemes.
Important: Lexical analyzer detects syntactic errors in tokens- identifiers, numeric literals etc.



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