Chapter 4

Lexical and Syntax Analysis





Recursive-Descent Parsing

Coding process when there is only one RHS:

- For each terminal symbol in the RHS, compare it with the next input token; if they match, continue, else there is an error
- For each nonterminal symbol in the RHS, call its associated parsing subprogram

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Recursive-Descent Parsing

Coding process when A nonterminal that has more than one RHS:

- The correct RHS is chosen on the basis of the next token of input (the lookahead)
- The next token is compared with the first token that can be generated by each RHS until a match is found
- If no match is found, there is a syntax error

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