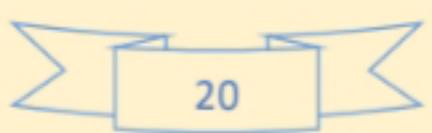


- To produce error messages (Also called diagnostics) occurred in a source program.

Syntax analysis.

Every long ways whether it is a programming language of any natural language follows certain grammatical tools that define Send taxi call a structure of a long ways.



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In sea language for example. A program is made out of main function consisting of blocks, a block out of statements, a statement out of expression and expression out of token, and so on

The syntax of a programming language constructs can be described by Bactens Naur form (BNF) Notation. This type of notation are called context free grammars.

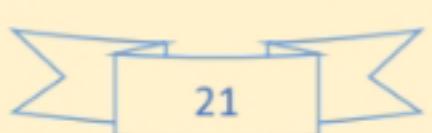
Advantage of compiler designer

- Yeah, grammar gives a precious & easy to understand synthetic specification of a programming language.
- Development of tools for designing source. To determine if a source program is synthetically correct can be achieved from certain class of grammars.
- A very designed grammar in parts a structure of to a programming language that it is useful for the translation of source program into correct objective.

Syntax analysis is the second phase of compilation process. This process is also called parsing.

It performed the following operations.

- Public and a group of tokens from the lexical analysis.
- Play
- Determines whether a string of token can be generated by a grammar of the language. i.e. it checks whether the expression is syntactically correct or not.
- Reports Syntax error, if any.



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The output of parsing representation of the synthetic structure of a statement in the form of parse tree (syntax tree).

The process of parsing