- * Sematic Analysis: (Also called phase boildge)
- -Analysis phase of syntax.
- > cast phase of translation is code generation.

Tiols:

- * Lex Lexical Analyseon.
- * yacc yet Another Compiler.

Sematic Analysis makes "Suno that declarations and Stevements, of programs and Sematrically correct. It is a collection procedures which is called by parser as and When spequired by grammal.

Both syntax tree of previous phase and symbol table one used to check the Consistency of the given code. Type checkins es an empositant part of semake analyses where Compiler makes sure that each Operator hou. matching operands.

LEXICAL ANALYSIS: (Also called scanner)

> Reach the successive line Breaks anto Hums lake Identitier, Operator, De-lamiter

constructs symbol table.

> symbol table allocates memosiy.

Lexical Analysis is the first phase of the Compiler also known

as a sconner, It convents the high level input program into a

sequence of Tokens.

* Lexical Analysis can be emplemented with the Deterministic finite Automata.

* The output is sequence of tokens that is sent the pariser for syntem analysis.

Syntaktic Analysis: (Also called paysing)

- => expression, steatement, decleration identified.
- Arided by formal grammer of programming language.

syntactic analysis (61) parising a syntax analysis is the third place of NLP. The purpose the text. Syntax analyses cheeles the text for meaningfulness. Comparing to the spules of formal gramer.

For example, the Sentence like "hot icecream" would be spejected by sematic analyzer.