



SDE W function prototypes included in header file language processing phase - compilation place To chechifa word is ralled or not in automata - regular expression is used. $\langle a \rangle \rightarrow \langle id, i \rangle$ (=) -> (=) \(\text{when this token} \)

occurs it has the same function hence it is not renamed like identifiers are. Next Step: To analysis the words detected Syntax Analysis - Atthough lexemes detected are individually correct the sentence might not be for detection of valid sentence syntax analyser used Syntax Checking also known as passing. Parse Tree:

if x 22y then 22 lebe 2 > 2 predicate then else

22 4 22 2

Syntax Tree

a = b+e (Supur Character Stream) (id, 1)(2) (id,2) (+) (id,3) (i) Token Stream a= b+ e + 10 $\langle id, 1 \rangle$ $\langle id, 1 \rangle$ $\langle id, 1 \rangle$ $\langle id, 3 \rangle$ Semantic Analysis - To desire meaning from the sentence Semantic description of all ambiguous cases of syntax and pars it through semantic analyzer and make it unambiguous.

Main()

Semantic Analysis decides

which a to point int aj point (u o d 11 a) float b, c; at hardware level computer can't do it ofthough it is Error. Syntactically correct so semantic b210.0; analyzer soluls these problem. C=a+b; E

Front End Compile - why? H/w independent Lexical Analyser Syntax Aralyser Somantic Avalyzar Intermediate Code Generator Converst syntax tree to almost assembly level format but not entirely.

after that comes the p code optimazation phase En intermediate afain and again So-this phase stores it in register. Then comes code generation place. Machine dependent be come depending on machine architecture how many memory spaces required etc is determined

17/10/19
Image Porocessing (Anay Sier)
Compute the Furvier Transform in an image.
Low pass filters are used to smoother the image in twen ocemone the moise.
High pass filter need to sharpen the irrage.
Types of Coupan filter. Ideal
Gaussian Butter worth
low pass filter
threshold value > frequency - put 1 else
opposite for high pan filter.
Contrast Stretching (Numerical) Contrast Intensification
Contrast Intensification
<i>,</i>