

Semantic Malysis

Type checking.

Semantic errors

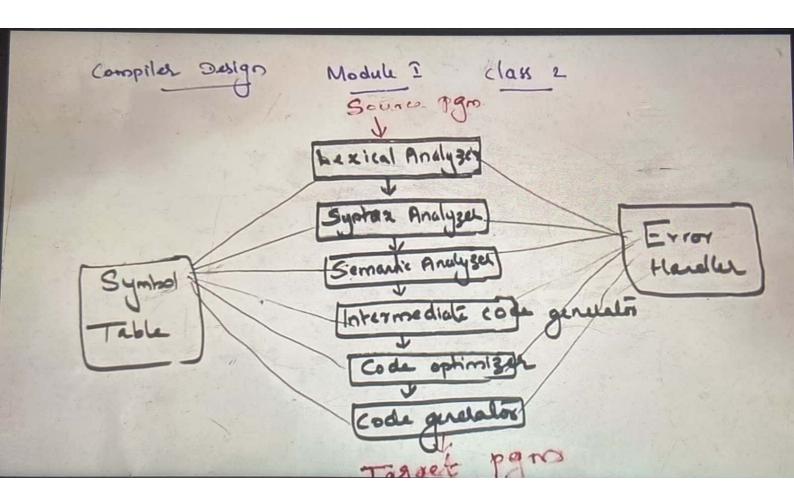
(Int)

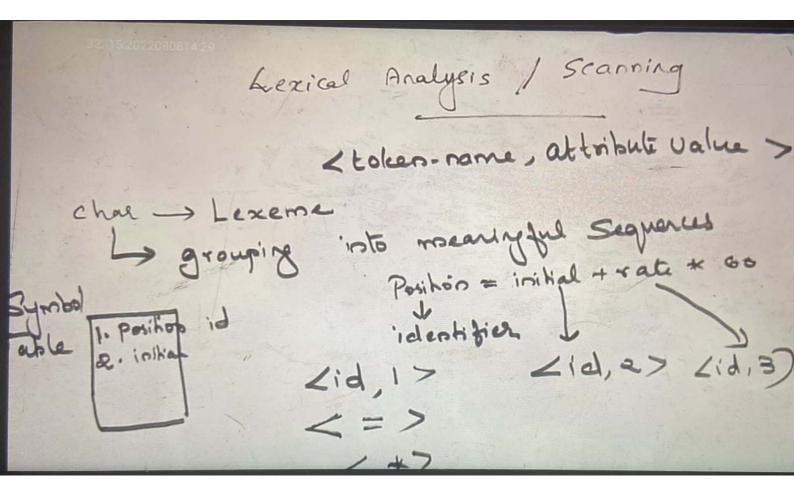
Position

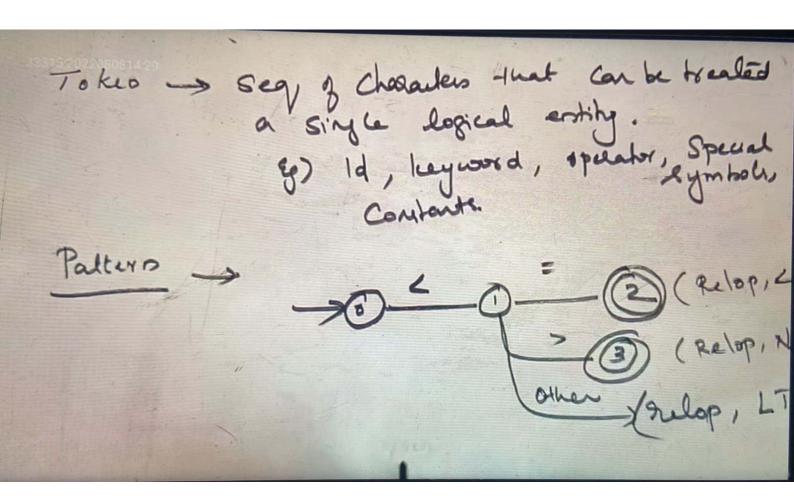
(Int)

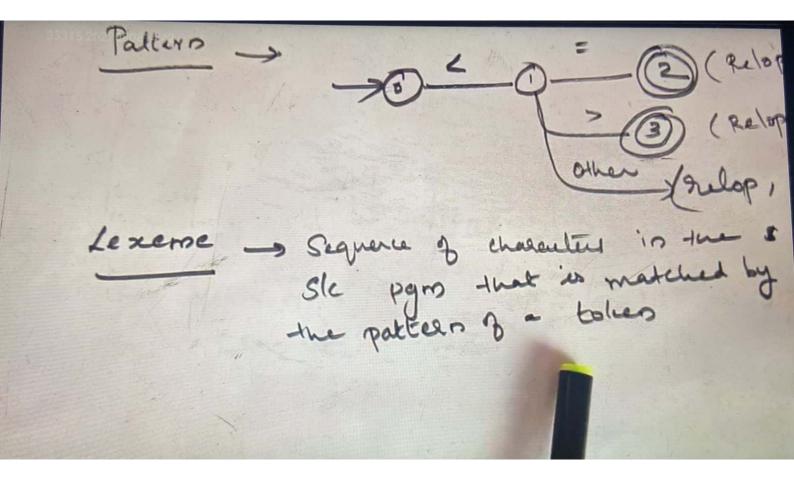
(int)

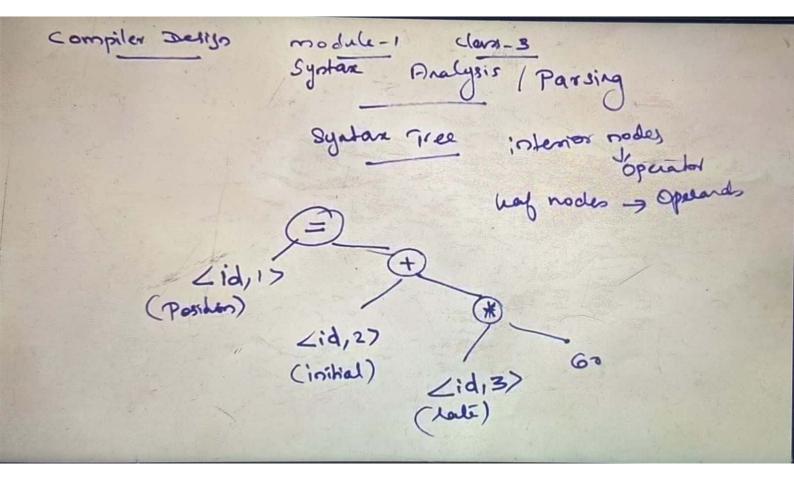
(char)

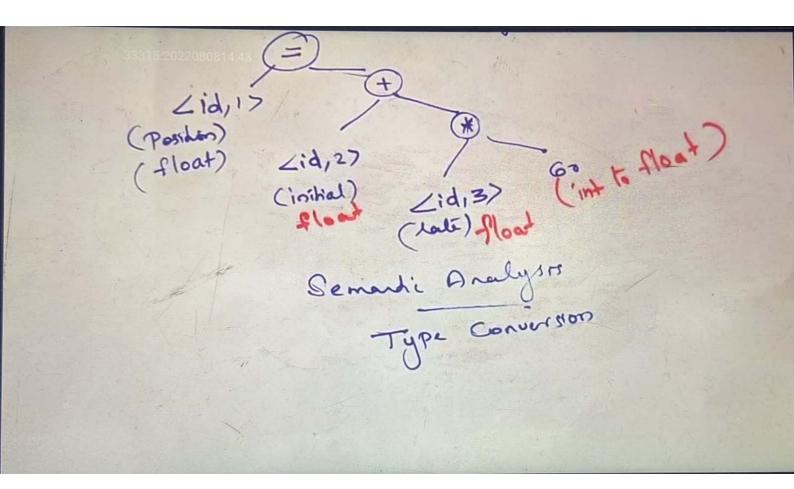


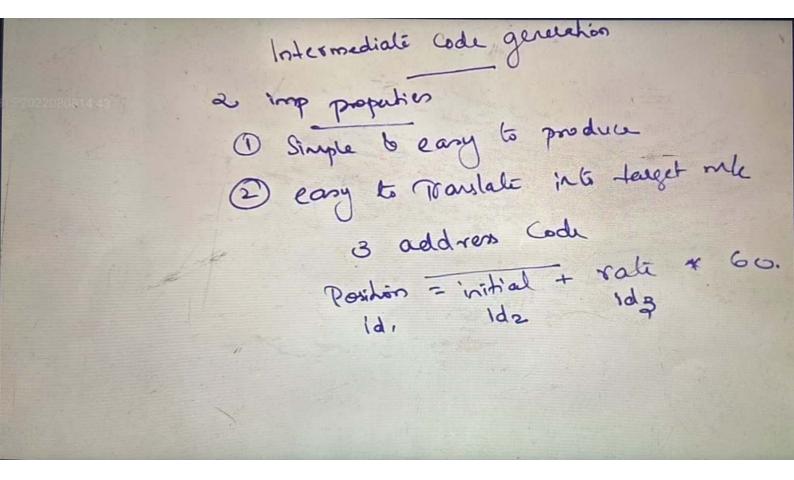








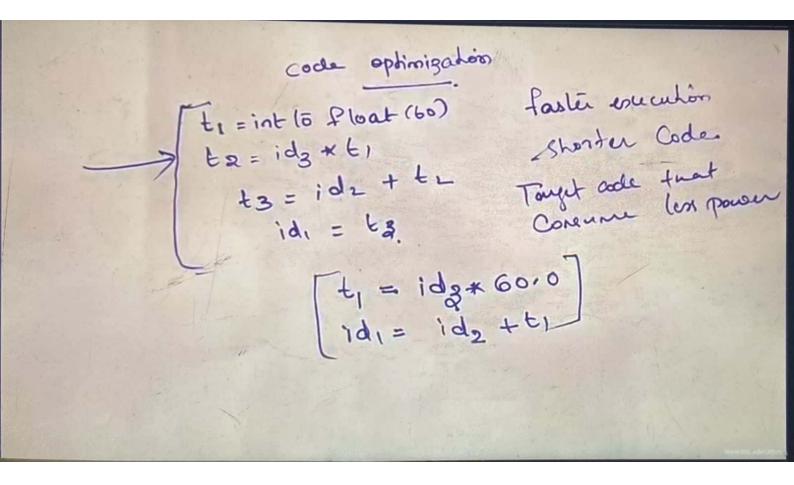


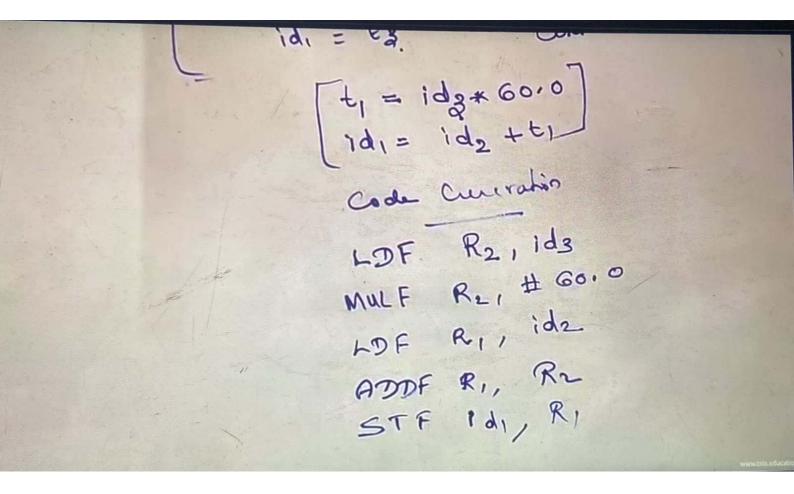


3 address Code

Posshon = 'vitial + vali \* 6

ld, id2 id3  $t_1 = int to float (60)$   $t_2 = id_3 * t_1$   $t_3 = id_2 + t_2$   $id_1 = t_3$ 





Compiler Design module-1 class-4

Compiler considing Tools

Disconner Currently

TIP > Regular laptin descorption of holders

g a layinge.

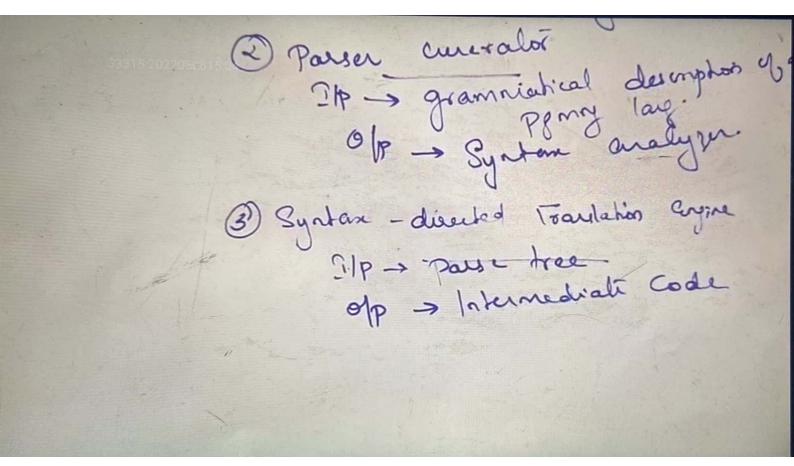
Olp > Lexical analyzer

Parser currently

The > grammiatical description of a

The > Grammiatical description

Olp > Synton analyzer.



Automatic Code generalist

I/P > Interne direct larg

OIP > madure larg.

Collection of Jules > Translation of intermediate

each operation of intermediate

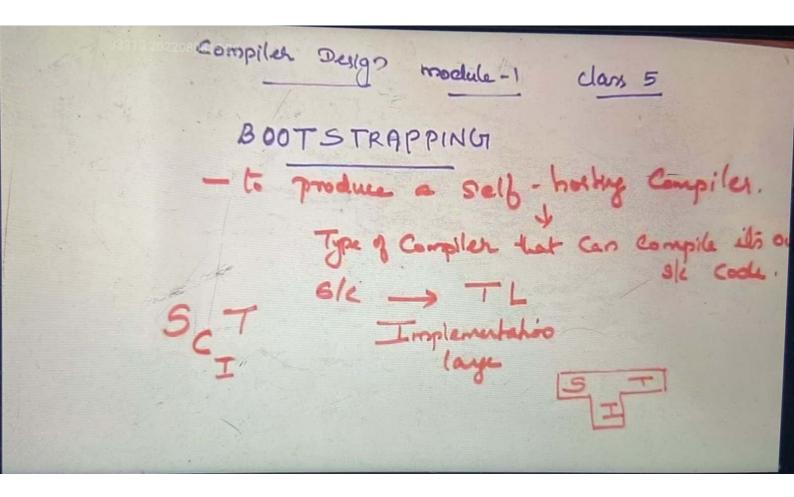
lar > m/c (arguage)

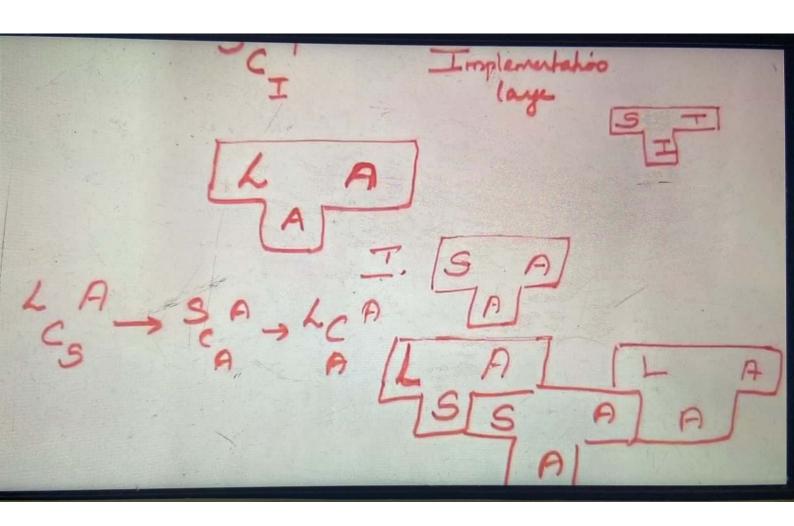
Date - flow Brelying Engine

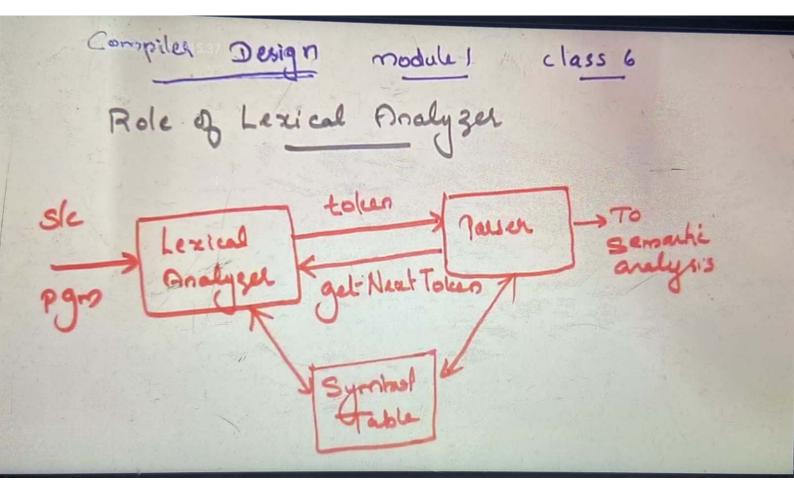
gothers int > values toasmitted

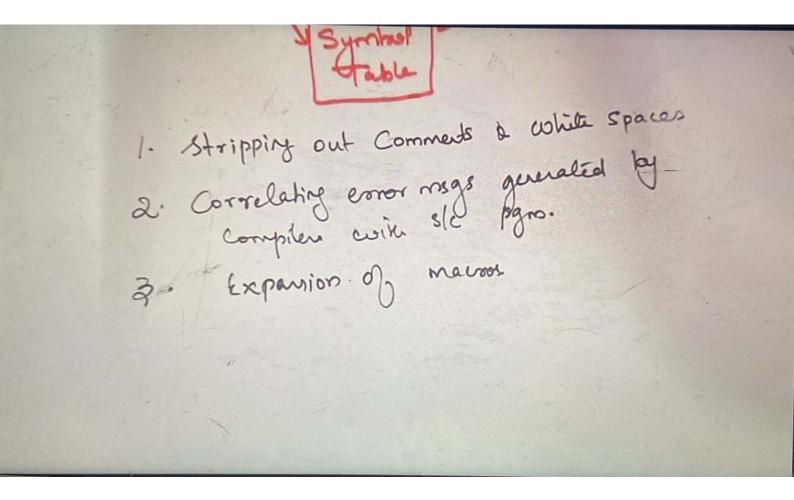
gothers int > values toasmitted

imp part of Code opoinization







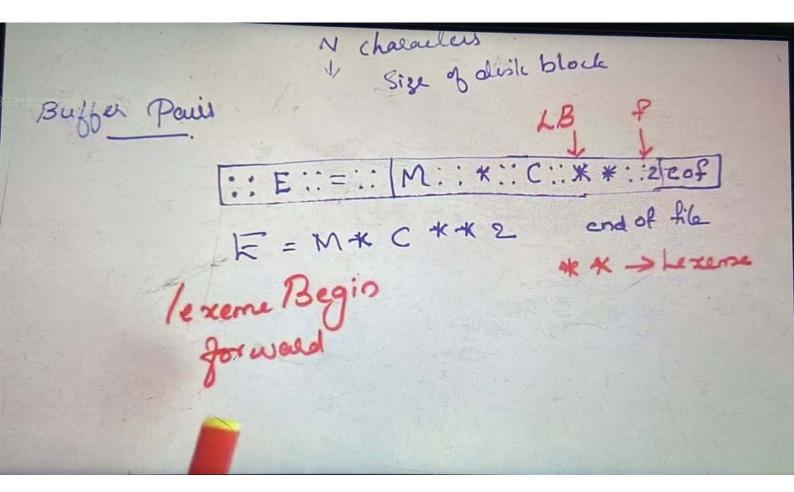


Lexical Analysis Separaled from Synton Analypis

1. Simplicity of Design

2. Efficieny.

3. Portability



if forward at end of first half then begin

acload Second half

forward:= forward + 1

end

end of Second half

then begin

her begin

her begin

her beginning of first half

more forward to beginning of first half

end

end

end

end

forward = forward + beginning