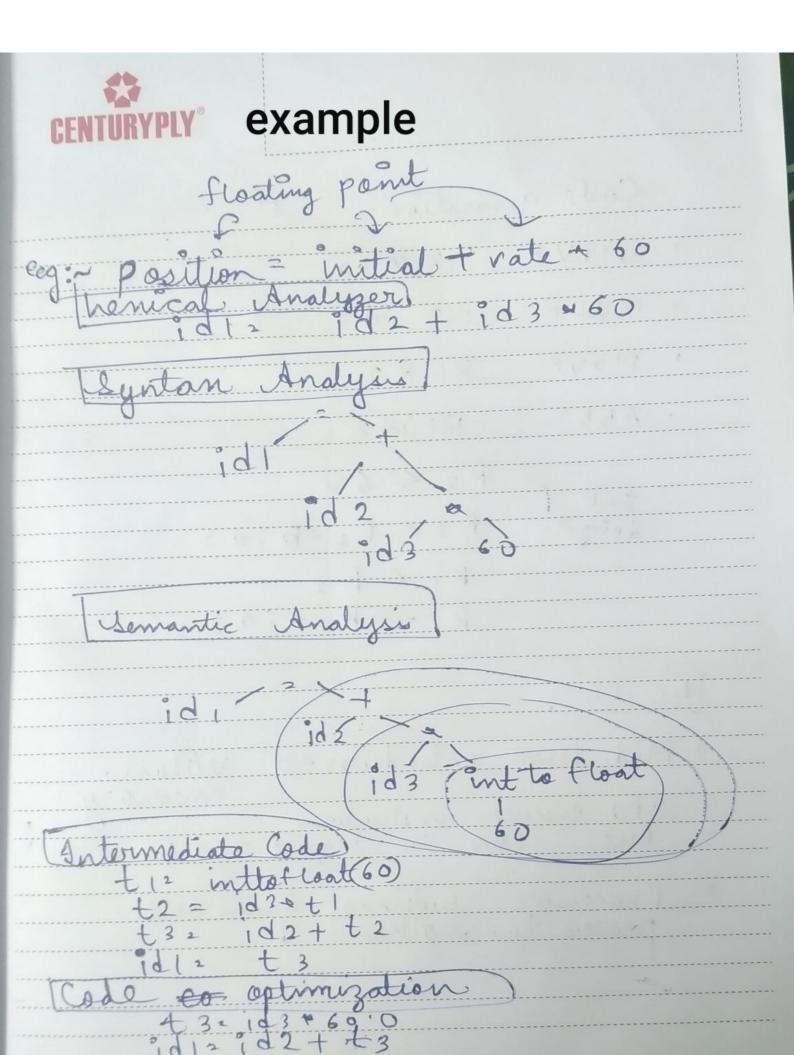
Notes: CENTURYPLY Ansir enical Analyzer/Scanner 1 horizal Analysis or 2 Syntan Analyzer 3 Semantic Analysis All these are connected with error Handler, 4 Intermediate Code yes 5 Code Optimization Table 6 Code gener ine meaning id1 = id2 + id3 \* 50

Parse tree Checking purpose) semantic > autout is parse.
but modified parse.
I After semantic Analysis

Depends on source code me generate intermediate Code using three adress code and AGC Societed Acyclic Graph = 1d3\*t1 > 3 address 3 addres code statements, Ihne.

Represent in Machine top Coal Assembly > Mnemonice, operator / operane MOVF arget matruction MONF R2,#50 (50 u stored in R2 from Source MULF R2 1123 multiply MOVE R1, COR2 ADD F R1, id 2





## final assembly code

Code generation

MOVF R2,#60

MULF R2, id3

· MOVF RIZR 2

ADDF 121,1d2

R2460

R2 K R2 KB id 3

 $R_1 \leftarrow R_2$ 

Ri->Ri+id2