Lecture #7. Grammours and Parsing.

Tree representation:

4 \* (2 + 3)

\* t

Grammars and Parke Tree.

- shows nested subequessions

- Specifie to gramman

- compred of grammer rules

Grammay:

E→n

E-> E+E

E> E\*E

E-> (E)

=> · Non terminals

· Stort Noverminals: E

· terminals: + x () \

· Productions, 4

# Syntax - Checking

test if a given  $S \in L(G)$ 

\* Scan(c): if nxe dux is (, lonsonme c

else abort.

· Oracle (): predoct which rule to use.

