Int x = 20;

X= 2+1

1. Lexical analysis

Int x=20; x=2+1; ==> Int, x,=,20,;,x,=,2,+,1

Sequence of chars => sequence of tokens

1. Syntactical Analysis

Int, x,=,20,;,x,=,2,+,1 ==> abstract syntax tree AST

;

/ \

= =

/ \ /\

Int x 20 X +

/ \

2 1