if (x < 3) { // comment let y= 52; Computer sees: "if (XJ<3), {In invited ..." 10/11BCB Abstact Syntax tree (AST) token stream Jack program [if, (, ×, "(f, (x, < 36) { ... John By/ saming/lexing/ lexital analysis - get not of space; + comments, break who logical "tokens". (we can ster this ster) Token Taky let x = y + 99; // blah

let z = (x + 3) - (2 + 7);

and

symbols integral literals. Use a simple example language with: - yarables - integers - +, -, * , parens - let statements - comments. Kinds of tokens: Keywards (let) Symbols (-,+,;,=, eh.) Identifies (Names the programmer mode up). Integr literals (eq. 99, 3, etc.)

Tollen i Zer

- init: take input text, mitalize
- has_more_toleng: are there more token;?
- advance: go to the next tohen.