Programming Languages: Lecture 13
I have no clue

Rishabh Dhiman

1 February 2022

1 Some Doubt

$$E \to E - T \mid T$$
$$T \to D \,/\, T \mid D$$

The rules imply that $-$ is left-associative and / is right-associative. (what do these terms mean? F) / has higher precedence.

2 Bottom-Up Parsing

$$X \to \beta\gamma$$

// What does an LR(0) term signify?

After a series of shifts and/or reductions eventually input sequence y is consumed and transformed into γ. // What's a reduction?

2.1 Example

Consider the augmented grammar,

$$S \to E\$ \tag{1}$$
$$E \to E - T \tag{2}$$
$$\tag{3}$$
$$\tag{4}$$
$$T \to (E) \tag{5}$$

Look at the significance of all the ways to place the cursor on the rule.

3 Closure of Items

Theoretically, each item is a state of a NFA.
// An algorithm here