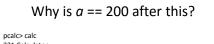
Syntax Directed Translation

Syntax directed translation

- Yacc can do a simple kind of syntax directed translation from an input sentence to C code
- We can also think of it as compilation
- Each node in a parse tree produces a value

 That value depends on the type of the node
 And on the values produced by its children
- The value is usually produced by a *rule* associated with the node
- This is just the rules in Yacc, e.g.:
 { \$\$ = \$1 + \$3; }



331 Calculator (type ? for help and . to exit)

>> a = 1 1 >> if 1 (a = 100) (a = 200) 100 >> a 200 >>

