Lecture 12:

- Recursive Descent: Exercise

Announcements:

- HW-2 out
- *Note:* Exam next week (Wed), no class next Mon

Recursive Descent Parsing (cont)

Recall: recursive descent helper functions ...

- `error(msg)`
- `match(token_type)`
- `match_any(token_types)`
- `advance()`
- `eat(token_type, msg)`

Check In: Write recursive descent functions for the following grammar. Include a separate `parse()` function.

<stmts> ::= (<stmt>)*

<stmt> ::= <assign_stmt> | <if_stmt>

<assign_stmt> ::= ID ASSIGN <expr>

<if_stmt> ::= IF <expr> THEN <stmts>

<expr> ::= (ID | INT_VAL) <expr_tail>

<expr_tail> ::= PLUS <expr> | LESS <expr> | ϵ