

## November 20 PLT Group Meeting

### **First Pass**

- Collect identifiers into symbol table with their types
- Multiple declarations for same identifier
- Does main exist in global scope
- Example:  
    b = a  
    a = 3
- For declarations where right hand side of equals sign type can't be determined, set type to Unknown

### **Second Pass**

(symbol table built already)

- Check that all functions have type signature in  $\geq$  scope
- Variables must match type signature if given
- Resolve Unknown types
  - Change type while looking
- Type check operators

New Approach:

Translate AST into a Symbol Table sent to interpreter which finds main and follows expressions down