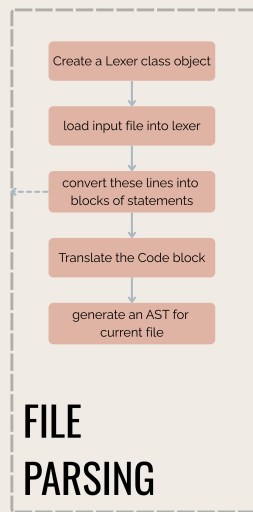
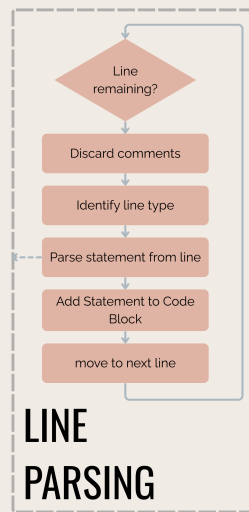


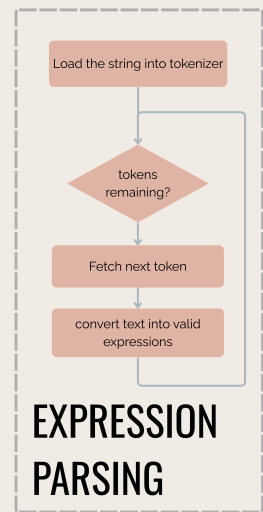
(a) Assembly Pipeline



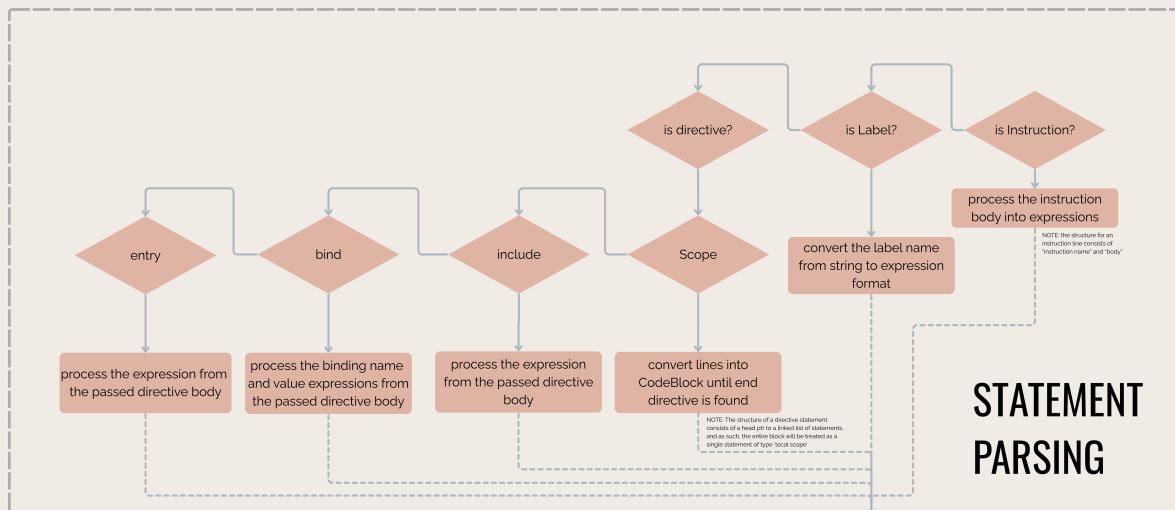
(b) File Parsing



(c) Line Parsing



(e) Expression Parsing



(d) Statement Parsing

Tech Stack

- **Programming Language: C**

- **Version Control:** Git
- **Build System:** GNU Make
- **AST VISUALIZER:** Graphviz