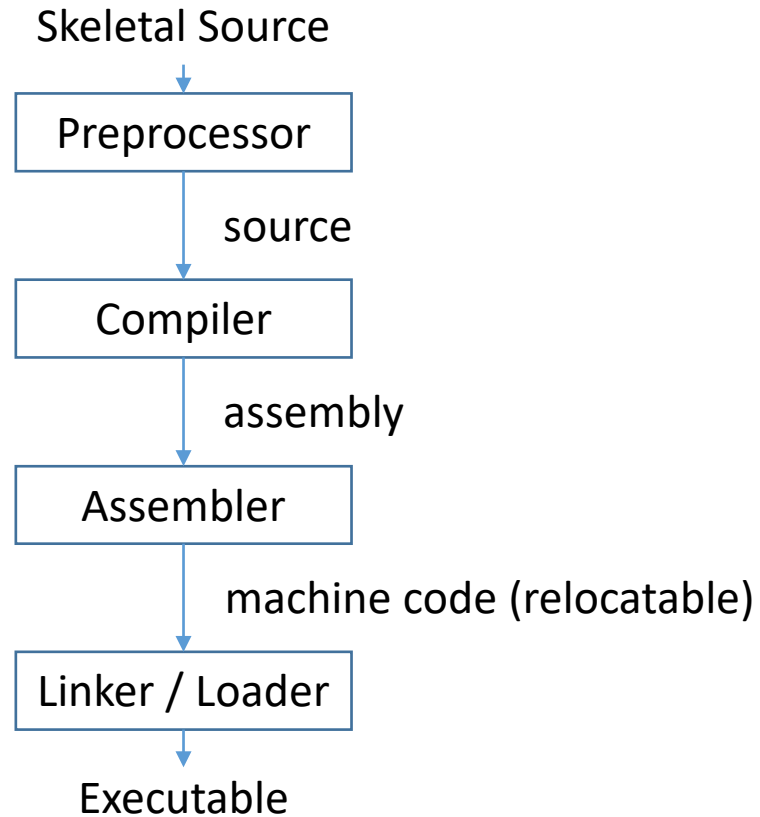


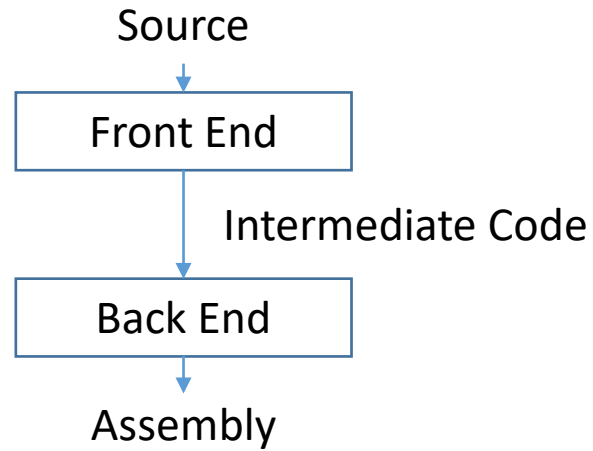
Compiler Architecture

Chapter 1

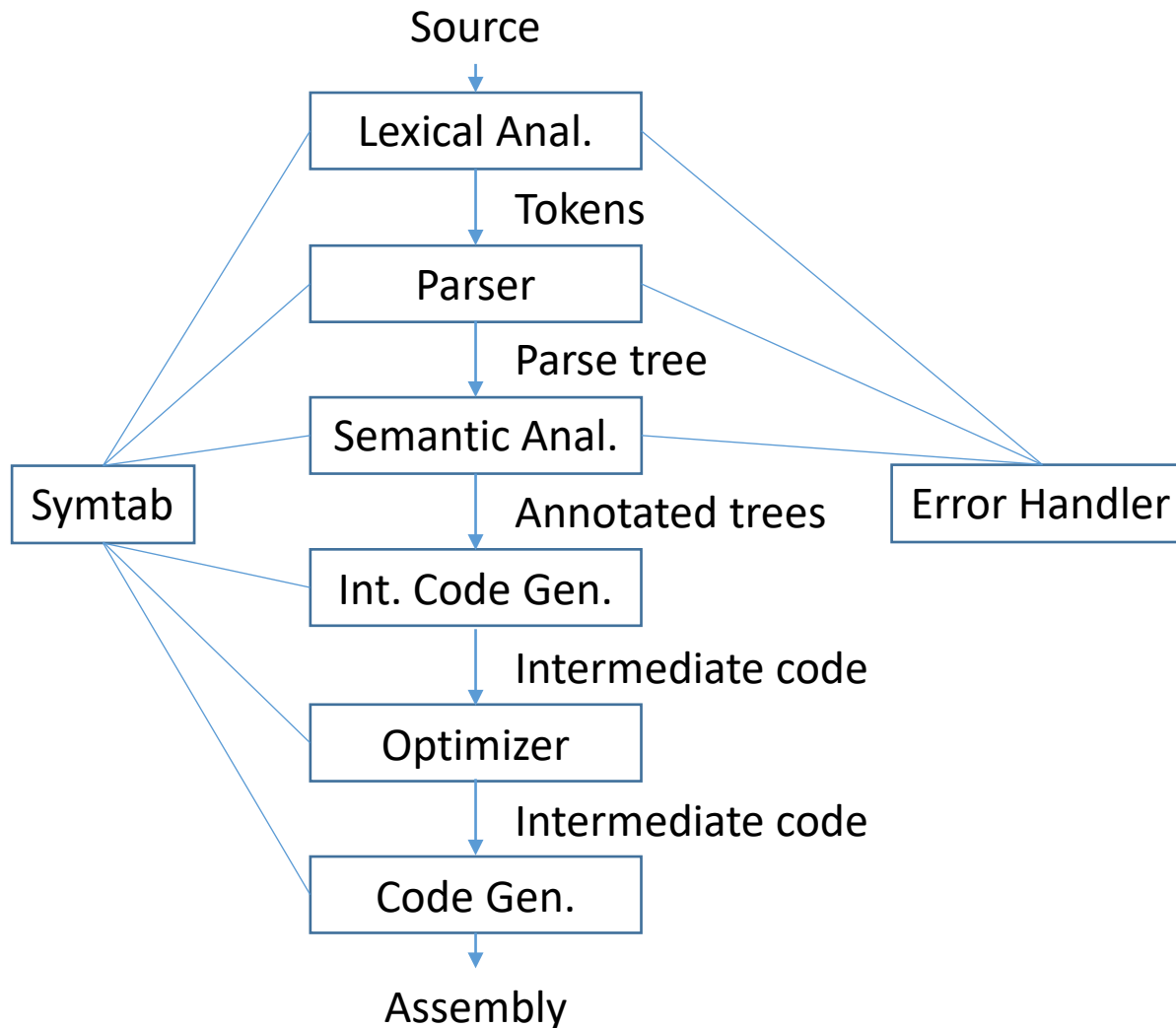
Compiler Tools



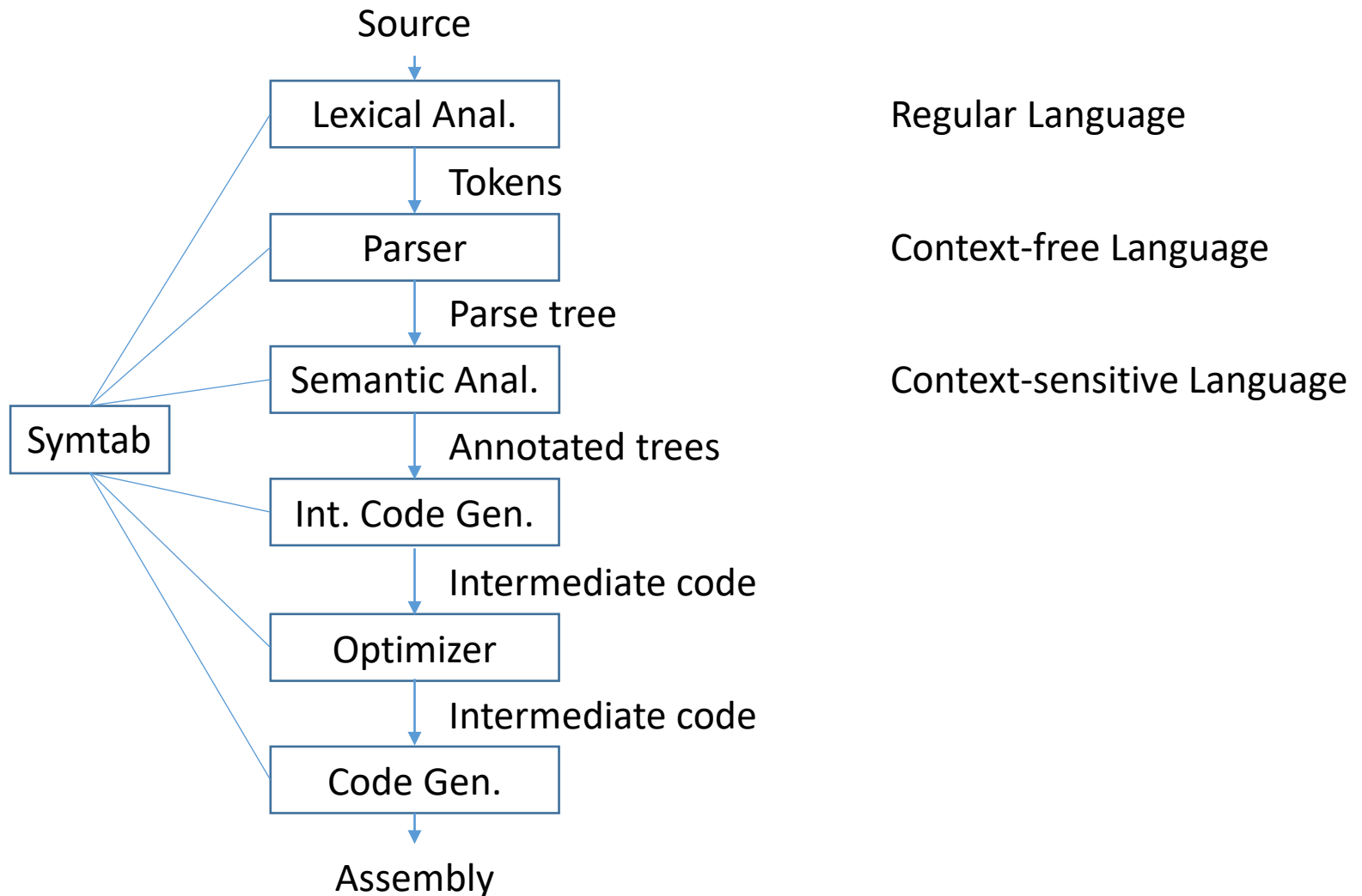
Compiler



Compiler Phases



Compiler Description Languages



Example Data Structures

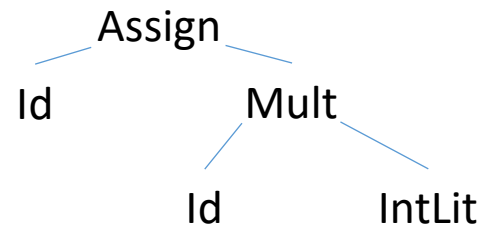
- Source

$x = y * 5;$

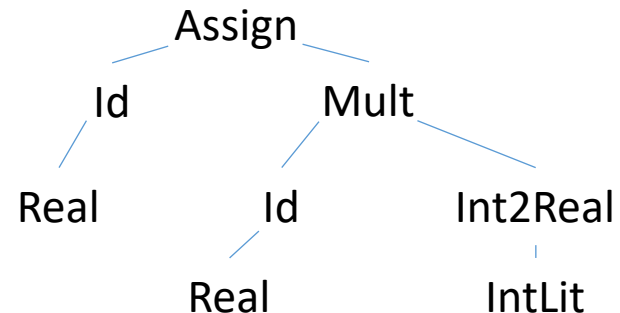
- Tokens

(ID, x), (ASSN), (ID, y), (MUL),
(INTLIT, 5), (SEM)

- Parse Tree



- Annotated Trees



Example Data Structures

- Intermediate Code

TMP1 = Int2Real(5)

TMP2 = ID2 * TMP1

ID1 = TMP1

- Assembly

...