

• LEXICAL ANALYSIS

↳ BREAKING UP EACH PIECE OF THE SOURCE INTO TOKENS

• PARSING

↳ Identify each role (eg. if, loop, etc.)

↳ Group into higher level constructs

↳ EXPRESSIONS!

↳ PARSE TREE

↳ SEMANTIC ANALYSIS

↳ CATCH INCONSISTENCIES

↳ OPTIMIZATIONS

↳ CODE GEN

LEXICAL ANALYZER $\langle T_{SOURCE} \rangle$

↳ TOKENIZE $\langle T_{SOURCE} \rangle$
ENUMERABLE

TOKENS

↳ NAMESPACE

~~IDENTIFIER~~ ~~COMPARISON~~ ~~IDENTIFIER~~

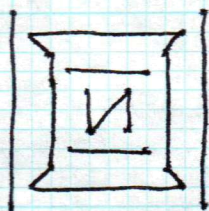
~~IDENTIFIER~~ ~~COMPARISON~~ ~~IDENTIFIER~~

TYPE

Identifier

OPERATION

↳ PARSER



This is the true for all
given