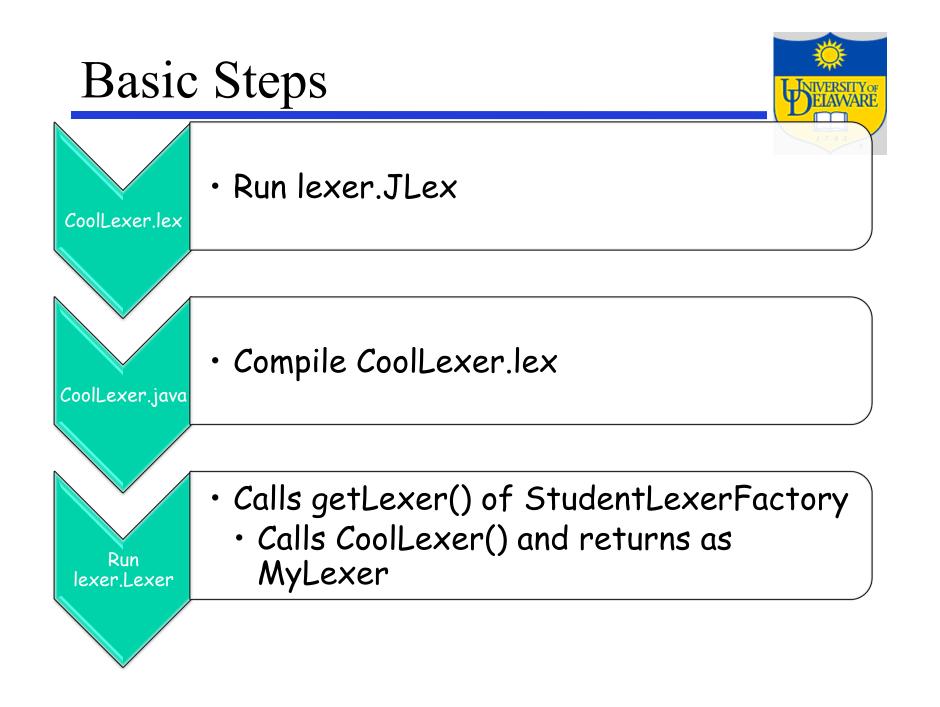


## Phase 1 : Lexical Analysis Some Discussion

and Helpful Hints





• Add the imports

Coollexer lex

- Add reference to the interface MyLexer
- Define keywords and Identifiers
- Accept keyword, remember that you can have multiple final

states but the Lexer matches

## Keywords



Keywords:

PLUS = "+"

MINUS = "-"

MULT = "\*"

DIV = "/"

## State Transitions



The state Transitions can be done in the following ways:

<yyINITIAL>{IF}

{ return new Symbol(TokenConstants.IF); }

Remain in the same state.

<COMMENTBLOCK>{ENDCOMMENT}

{yybegin(YYINITIAL);}

Or Shift from one state to another e.g. in the above case we shifted from

COMMENTBLOCK to YYINITIAL



- testCasesLexer has a lot of .cl files to test your program on.
- The reference to compare it with would be the lexer binary

file in the bin folder of your repository.

Testing