Car CS 4850 Fall 2015

End of line is the end of statement

End of file is end of program

Data types

“Strings”

integer

double

Boolean: Left ~~ true, Right ~~ false

Dynamic data types

A <- “hello”

B <- 10.25

A <- B

Operators: - + / \* ^ % <-

A **<-** B assignment like java’s a = b;

+ and <- work for “strings”

Boolean operators: < <= **=** > >= work for contents of strings “a” = “a” is Left (true)

Note is equal is = not ==

Not, And, Or, Xor

Honk ~~ print uses Java type “string” + 1 + 2.0 + “hello\\ \” “

Grip ~~ IF

Slip ~~ else

SlipGrip ~~ elseIf

Straight ~~ end if

Grip ( a < b)

honk “less”

slipgrip (b > a) honk “greater”

slip

honk “equal”

honk A

Straight

A perhaps useful C lex grammar:

<http://www.quut.com/c/ANSI-C-grammar-l.html>