Programming Tools

# Comments

## Comment line

# all a comment

# Doc comments

“”” multi

line comment “””

# Calculation

Arithmetic

+, -, \*, /, %, //

Testing

==, !

Assignment

=

# Data 1 - Simple

## Values

Integer

1,2,3

Floating point

3.141592

Character String

“Ray Smith”

## Variables

a, total, address, first\_name

first\_name = “Ray”

# Flow Control

## Simple Flow

### Decisions

#### If, if else, if elif else

#### Repetition

## while condition:

While condition:

Body

## For … in … list

for var in list:

body

# Data 2 - Aggregate (multiple parts)

## List

## Dictionary

# Data 3 (Data + Control)

Classes